



OPERATOR'S MANUAL

TELEMATICS

Foreword

To the Owner/Operators

Thank you for purchasing a Versatile product. This manual contains information concerning the safe operation of the Versatile Telematics System. After reviewing this manual and learning the proper operations, the owner can expect to receive the performance and long service Versatile has built into this system and your tractor.

MAKE SURE ALL OPERATORS READ THIS MANUAL CAREFULLY AND KEEP IT AVAILABLE FOR READY REFERENCE.

The Versatile Telematics System was designed to enhance the efficiency of operation of your Versatile tractor. Safe operation of the tractor requires that all operators are familiar with the instructions in its Operator's Manual along with this manual and follow guidance herein for correct use of the tractor. The Versatile dealer will instruct the owner/operators in the general operation of the tractor. The dealer's staff of factory-trained service technicians will be glad to answer any questions that may arise regarding tractor operations.

The warranty coverage extended to the Versatile tractor is explained in the Warranty and Limitation of Liability Agreement form. The Versatile dealer will provide a copy of the warranty and retain a copy signed by the owner. After reading the warranty, ask the dealer to explain any points not understood.

Do not modify, alter, or permit anyone else to modify or alter this tractor or any of its components, or any tractor function, without first consulting a Versatile dealer. To find a Versatile dealer, go to <http://www.versatile-ag.com>. Contact a dealer for any questions regarding tractor modifications.

The safety of the owner/operators and other persons near the equipment depends upon the care and good judgment of the operator while operating this equipment. Read the safety precautions carefully.

All data given in this book is subject to production model variations. Dimensions and weights are approximations only and illustrations do not necessarily show tractors in standard condition. For exact information about any particular tractor, contact the Versatile dealer.

Improvements

Buhler Versatile Inc. is continually striving to improve its products. Buhler Versatile Inc. reserves the right to make improvements or changes when it becomes practical and possible to do so, without incurring any obligation to make changes or additions to the equipment sold previously.

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Cummins Engine Information

Buhler Versatile Inc. tractors powered by Cummins™ engines are provided with a copy of the Cummins owner's manual. To request a new or replacement manual, contact a Versatile dealer or Cummins Inc. at:

Box 3005, Columbus, IN 47202-3005
Telephone 1-800-343-7357
Fax 1-800-232-6393
Internet <http://cumminsengines.com/>

Modification and Warranty

Any attempt to alter or modify the engine or engine sub-systems is a violation of the warranty terms and will result in immediate termination of the engine and tractor warranty.

Any attempt to modify the tractor or tractor sub-components without specific instruction to do so from Versatile service support may, at the sole discretion of Buhler Versatile Inc., result in loss of warranty.

Disclaimer

Buhler Versatile Inc. makes no warranty or guarantee of any kind, written or expressed, implied or otherwise with regard to the information contained within this manual. Buhler Versatile Inc. assumes no responsibility for any errors that may appear in this manual and shall not be liable under any circumstances for incidental, consequential or punitive damages in connection with, or arising from, the use of this manual. Buhler Versatile Inc. reserves the right to make changes to this manual at any time without obligation or notice.

California Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

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Telematics Operator's Manual – Contents

Section 1: Safety.1-1
Section 2 Regulatory and Compliance2-1
Section 3: Basic Functional Overview3-1
Section 4: Hardware Overview4-1
Section 5: Telematics Portal Navigation5-1
Section 6: Service and Privacy Agreements6-1
Section 7: Help7-1
Index	8-1

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Section 1: Safety – Contents

Introduction	.1-3
Statement of Use	.1-3
Safety	.1-4
Signal Words	.1-4
Other Information	.1-4
Safety Icons	.1-5
Precautionary Safety Statements	.1-6
General Safety	.1-6
Operating Safety	.1-6
Track Safety	.1-7
Maintenance and Storage Safety	.1-7
Electrical Safety	.1-7
Battery Safety	.1-7
Hydraulic System Safety	.1-8
Welding Safety	.1-8
Transport and Towing Safety	.1-9
Cab Safety	.1-10
Diesel Fuel Handling Safety	.1-10

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Introduction

This manual was prepared to assist the operator in the correct procedures for operating this new piece of equipment. Read this manual carefully and keep it for future reference with other related information in the storage pocket (1) attached to the rear of the seat.

The manual is configured to help the operator find information in a fast, easy process. The manual is divided into the following sections:

1. Safety
2. Regulatory and Compliance
3. Basic Operation and Overview
4. Hardware Overview
5. Telematics Portal Navigation
6. Specifications
7. Help

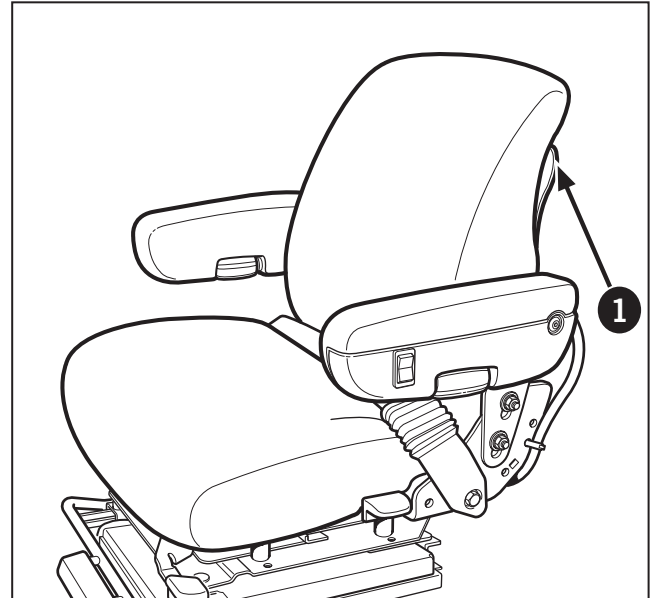
Questions regarding the operation of Versatile equipment can be directed to a Versatile dealer. Dealers have the factory trained personnel, equipment, genuine replacement parts and professional experience to meet all service and maintenance needs.

Versatile equipment is designed for performance, economy and ease of operation under a variety of operating conditions. Prior to delivery, the equipment was carefully inspected at the factory and by the dealer to make sure it is in optimum condition.

The company policy is one of continuous improvement, and the right to change prices, specifications or equipment at any time without notice is reserved.

IMPORTANT: Read and follow the guidelines set out in this section before operating the equipment.

All data in this manual are subject to production variations. Dimensions and weights are approximate and illustrations do not necessarily show equipment in standard condition. For exact information about any particular piece of equipment, contact a Versatile dealer.



Statement of Use

Versatile designed this new piece of equipment for conventional agricultural applications. Damage caused by use of the equipment in industrial applications (i.e., road building) or due to improper weights or ballast will not be covered by warranty.

Failure to follow the information contained in this manual may lead to excessive wear, premature failure and deterioration of equipment. Personal injury and property damage may also occur.

The new piece of equipment requires proper operation service and maintenance to achieve long life and owner satisfaction.

Safety

The safety alert symbol indicates that attention is required and that the safety of people nearby is involved. It is shown with a signal word to indicate that a hazard exists and with instructions to avoid the hazard.

Signal Words

There are 4 signal words, 3 of which appear with the safety alert symbol. Each signal word, its meaning, format and an example of a safety icon as used throughout this manual is shown to the right. A list of safety icons and their meanings is provided in this section.

Other Information

The following general text may also appear in the manual. These notes and important statements draw awareness to recommended procedures that will assist the operator.

NOTE: *Indicates an important installation, operation and/or maintenance procedure which should be followed.*

IMPORTANT: *Indicates an important or specific step within the operation or maintenance procedure.*



Safety Alert Symbol



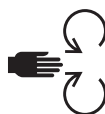
DANGER



Indicates an imminently hazardous situation which, if not avoided, will result in death or serious bodily injury.



WARNING



Indicates a potentially hazardous situation which, if not avoided, may result in death or serious bodily injury.



CAUTION



Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate bodily injury.

NOTICE

Indicates a situation which, if not followed, may involve deterioration or damage to equipment.

Safety Icons

The safety icons used in this manual are approved according to ISO 11684, ANSI ASABE AD11684. The icons have general meanings and are not intended to replace the text that accompanies each safety message box. Table 1-1 shows a list of safety icons that may be used in this manual.






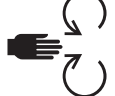
















Table 1-1: Safety Icons	
Icon	Description
	Stand back; keep a safe distance
	Small flying objects
	Risk of crushing; pinching of hands
	Risk of electric shock
	Hot surfaces
	Be careful of moving parts
	Vehicle may move; stand clear of moving vehicle
	Pressurized fluid or gas
	Battery
	Particles in the air; risk of inhaling dangerous substances
	Wear eye protection

Table 1-1: Safety Icons	
Icon	Description
	Wear ear protection
	Wear protective shoes
	Wear head protection
	Wear gloves
	Risk of fire; flammable substances
	Risk of rollover, tipping or overturning
	Risk of fall; falling from a height
	Seat belt; always wear a seat belt
	Reading required; read carefully; also used as a generic icon
	Risk of crushing, particularly for body
	Risk of exposure to high radio frequency fields

Precautionary Safety Statements

General Safety

- Do not touch the telematics or satellite antennae while system is in operation. Always disconnect power before installing or servicing either.



CAUTION



Avoid exposure to high frequency fields. Do not touch the telematics or satellite antennas during operation. Turn off all power to system before installing or servicing.

- Use personal protection equipment that is appropriate for the task including gloves, hard hats, boots, face and eye shields, respirators, etc.
- If the equipment has seat belts, use them at all times.
- New operators must read and understand the manual before using the equipment.
- Do not allow unqualified persons to operate or work on the equipment.
- All operators should review the safety precautions and operation instructions in this manual at least once a year.
- Have a first-aid kit and a Class C fire extinguisher available in the work area.
- Do not modify the equipment.
- Keep the equipment clean. Make sure all decals and warning labels are legible.
- Perform a proper equipment inspection as described in this manual before each use of the equipment.
- Do not by-pass or disable safety locks or devices at any time.
- Follow all national, provincial, state and local health and safety guidelines and requirements when operator and/or servicing the tractor.
- If the tractor must be raised using jacks, place the jacks under the axles.
- This tractor is not designed to be lifted off the ground (such as with a crane).



DANGER



Always make sure the jack is capable of carrying the weight of the tractor. Using an inappropriate jack will result in damage to the tractor and possible injury or death of anyone working near or under it.

Operating Safety

- Do not exceed the designed speed, pressure or load capacity ratings for the equipment at any time.
- When leaving the equipment, bring all hydraulic components to ground level or designated storage location.
- Place all controls in neutral before startup or shutdown of the equipment.
- Be aware of overhead obstacles and power lines in the work area.
- Do not allow passengers on any moving equipment.
- Do not operate the equipment with any safety shields or guards removed or not functioning properly.
- Do not wear loose clothing and jewelry near rotating or moving parts. Tie long hair back.
- Do not allow bystanders in the work area.
- Block equipment wheels when performing stationary work (grain augers, grain vacs, etc.).
- Keep the work area clean.
- Do not attempt to operate the equipment from any location other than the proper, designated control position.
- Anchor or tie-down equipment that may be subject to shifting or movement. Keep the equipment hitched to the tow vehicle when applicable.
- Do not operate engine-driven equipment in an enclosed area without proper ventilation.
- Never operate the equipment with a damaged tire. The tire can explode and cause equipment damage and personal injury.
- Where equipped, use the articulation lock during stationary applications, servicing, jacking or overhaul operations. Do not use when operating the machine.

- The maximum gradeability of the tractor is 30°25°.
- Never operate the tractor or equipment outside the specified safe limits for slopes and inclines. Read the operator's manuals or check with the manufacturer for specifications.



DANGER



Do not operate the tractor on inclines steeper than its maximum gradeability as it may result in the tractor rolling over.

Track Safety (if applicable)

- Keep drive wheel lug pockets clear of material such as mud and dirt. Excess material can cause the tracks to become overtensioned, which can lead to damage.
- Make sure that the drive wheel scraper is installed and adjusted correctly as build up on the drive wheel may cause damage to the track and tractor.

Maintenance and Storage Safety

- Do not attempt any repairs that are beyond your abilities or understanding.
- Refer procedures that require special tools and equipment to a Versatile dealer.
- Place all controls in neutral, turn engine off, engage parking brake, use articulation lock (if equipped) and block equipment wheels before attempting any equipment inspections or repairs.
- Allow equipment to cool before inspecting.
- Use the correct blocking and support to prevent unintended equipment movement during repairs or maintenance.
- Use the proper tools and have sufficient light in the work area.
- Keep the service area clean and dry.
- Do not substitute fasteners and hardware with different or unknown grades.
- Follow the proper short- and long-term storage instructions as described in this manual.
- Do not look directly into high intensity discharge (HID) lights or radar units. Damage to the eyes may occur.

- Do not handle HID or quartz light bulbs with bare hands. Use clean and dry gloves to protect the bulbs from dirt and oil on hands.
- Use caution when handling HID light ballasts. High voltage may be present even with the engine off.
- Do not remove the radiator cap when the radiator is hot and under pressure. Always allow the engine to cool before servicing. To remove the radiator cap, always wear gloves and eye protection. Turn the cap slowly to the first stop and allow pressure to escape before fully removing the cap.
- Always dispose of all drained fluids and removed filters using environmentally safe procedures. Always follow local and national environmental laws governing the disposal of used engine oil, fluids and filters.
- Do not attempt to service the air conditioning system. Severe skin and eye injury may result from escaping refrigerant. Special equipment and procedures are required to service the system. Contact a Versatile dealer for service.
- Do not permit modifications of the equipment or any of its components or functions without first consulting a Versatile dealer.
- Always store heavy wheels properly with care and attention making sure they cannot fall causing damage or injury.

Electrical Safety

- Ideally, use a qualified Versatile service representative to conduct electrical testing and repairs on the equipment.
- Before conducting repairs, unplug attached electrical devices.
- Turn the battery shut-off switch to "OFF" before repairing or servicing the electrical system.
- Use caution when handling HID light ballasts. High voltage may be present even with the engine off.

Battery Safety

- Never make or break any of the charging circuit connections, including the connection at the batteries, when the engine is running.
- Never short any of the charging components to ground.
- Do not use a booster battery of higher than 12V nominal voltage.
- Always observe correct polarity when installing the batteries or using a booster battery to jumpstart the engine. Follow the precautions in this manual for boosting the tractor. Connect positive to positive and negative to negative.
- Always disconnect the negative cable from the batteries when charging the batteries in the tractor with a battery charger.



WARNING



Batteries contain sulfuric acid. Avoid contact with the skin, eyes or clothing. Wear eye protection when working near batteries. In case of contact with skin, flush the affected area with water for 5 min. Seek medical attention immediately.



WARNING



Batteries generate hydrogen gas, which is highly flammable. If ignited by a spark or flame, the gas may explode violently causing a spray of acid, fragmentation of the battery, and possible severe personal injury, particularly to the eyes. Wear protective clothing and goggles. Do not smoke or expose the battery to open flame. Do not connect or disconnect live circuits. Follow the connection procedure as outlined above.



Hydraulic System Safety



DANGER



During normal operation, the engine may pressurize diesel and hydraulic fluid to extreme levels. Escaping fluids under high pressure can penetrate the skin and cause serious and life threatening injury.

Never use hands to check for fluid leaks. Use a piece of cardboard or paper to search for a suspected leak.

Obtain immediate medical attention if hydraulic fluid penetrates skin.

- Hydraulic oil is flammable. Do not expose oil or oil vapor to a flame or sparks.
- Do not heat or weld near hydraulic lines or components.
- Do not overfill the hydraulic fluid tank.
- Inspect hoses and fittings before each use. Hoses with leaking fittings, cuts, abrasions or bulges, and hoses that are soft, twisted or crushed must be replaced.
- Lower hydraulic components to ground level or support components before relieving the system pressure. Use hydraulic cylinder rod locks when applicable.
- Relieve system pressure before disconnecting any hoses or components.
- Clean all components and fittings before removal. Cap all openings immediately to prevent system contamination. Use a non-volatile cleaner.
- Some hydraulic components are heavy. Use sufficient lifting and carrying devices for moving these components.
- Make sure that replacement parts and hoses have the same pressure rating as the original parts.
- Remove and replace components one at a time to avoid mis-routing of connections.
- Reinstall all clips, retainers and strain relief in their original locations.
- Do not reuse contaminated hydraulic oil. Use new hydraulic oil when refilling the system.

- Make sure that all connections are tight before applying pressure to the system.
- Accumulators may store hydraulic pressure even when the engine is not running. Some accumulators require special instructions to relieve this pressure.

Welding Safety

- Follow the safe handling and use guidelines for welding with either gas or electric welding equipment.
- Have a first-aid kit and a Class C fire extinguisher available near the work area.
- Arc flash can cause retinal burning and cataracts. Protect eyes with approved welding safety glasses.
- Protect bodies from welding spatter and arc flash with protective clothing.
- Make sure there is adequate ventilation available when welding in confined areas or where there are barriers to air movement.
- Do not weld near hydraulic or pneumatic lines.
- Always completely clean the area to be welded so that it is free of grease, fuel or oil before welding. Also, remove any paint from the weld area before welding. Some paints can release toxic fumes.
- Make sure to attach the welder ground cable at least 1.25 m from the weld area.
- Never weld on one frame member (i.e. front or rear frame) and have the ground cable of the welder on the other frame.
- Always disconnect the ground cable from the batteries before carrying out arc welding on the machine or on any attached implement.
- Never allow welding cables to lay on, near or across any electrical wiring or electronic component while welding is in progress.
- On powershift transmission equipped units, remove the electrical connectors attached to the transmission control module, even when the battery shut-off switch is "OFF", to provide additional protection to the transmission controller.
- Arc/MIG welding equipment and processes create magnetic waves which may affect pacemakers and other sensitive electronics.

Transport and Towing Safety



DANGER



Always use extreme caution when attempting to free mired equipment. Attempting to free mired equipment involves potential safety hazards such as, roll over, tipping or overturning. In addition, tow cables can fail in stretched and overworked conditions and, in extreme cases, tow bars may even fail.

- Do not allow passengers on the equipment.
- Make sure that all lights and mirrors are clean and functioning correctly.
- Use safety chains with sufficient rating when towing.
- Always lift and engage safety locks raised position (toward the towed implement) to make sure it remains in position in the advent of a hydraulic line failure.
- Maintain a clear line of sight to all parts of the towed equipment.
- Do not tow equipment over 34 km/h (20 mph) that is not equipped with brakes.
- Equipment that weighs 1 500 kg (3 300 lb) or more or 1.5 times the weight of the towing vehicle or over must have brakes.
- Make sure that the implement is in transport condition with all components lowered, retracted or folded into designated transport positions.
- Install additional lighting to the sides of wide implements and to the rear of implements to alert passing traffic.
- Maintain the correct tire air pressures.
- Make sure that hitches and receivers are properly rated and installed correctly. Check the hitch connection before towing.
- Be aware of overhead obstacles and power lines when transporting and positioning equipment.
- Follow all local laws and requirements when driving and towing on public roads.

Cab Safety

- The cab on this tractor is rated Category 1 according to EN15695-1:2009. It does not provide a specified level of protection against hazardous substances. Kits related to improving the capabilities of the cab are available from a Versatile dealer.
- Keep the cab maintained and in clean serviceable condition. Be careful when driving through garage doorways or working in confined spaces with low headroom so as not to contact obstacles.
- Do not drill, weld, modify or alter the cab in any way. Modifications may weaken the structure and endanger operator safety. Unauthorized modifications may be illegal in some jurisdictions and could lead to fines or prosecution.
- Never attach chains or ropes to the cab or main frame for pulling purposes.
- Never take unnecessary risks even though the cab affords the maximum protection possible.
- Never carry harmful chemicals in the cab. Chemicals may spill from the container and cause damage to the cab and fumes could incapacitate the operator.
- Never allow mud, crop residue, tools and equipment to accumulate inside the cab or on steps. They may interfere with pedal operation or entry/exit from the cab.
- The cab is not designed to provide a “sprayer safe” environment for the operator. The cab air filtration system does not provide a specified level of protection against hazardous substances. When applying chemicals with a sprayer, do not rely on the cab filter to provide protection from airborne chemicals. When working in an area that may have vapors or aerosols in the air, refer to the product MSDS sheet for information on appropriate personal protective equipment.
- If clothing or footwear has come into contact with harmful chemicals, remove the items before entering the cab.

Diesel Fuel Handling Safety

- The engine is designed to run efficiently on ultra-low-sulfur diesel (ULSD) fuel. Using a fuel with high sulfur content will damage the engine and after-treatment system. Contact a Versatile dealer for more information and suppliers of ULSD fuels.

- Do not add gasoline, alcohol or blended fuels to diesel fuel. These combinations create an increased fire and explosive hazard. These fuel blends, in an enclosed fuel tank, are more explosive than pure diesel. Do not use these blends.
- Bio-diesel blends up to B20 can be used as fuel provided the blend does not exceed a sulfur content of greater than 15 ppm.
- For more information on the proper use of bio-diesel fuels, contact a Versatile dealer.
- Do not smoke while refueling equipment or when standing near fuel. Keep any type of open flame or sparks away.
- Do not remove the fuel cap or refuel with the engine running. Allow the engine to cool before fueling.
- Always use the proper fuel transfer hose and nozzle. Make sure the nozzle and hose are grounded to dissipate static electric charges.
- When refueling, make sure the nozzle is in contact with the filler neck of the fuel tank before fuel starts to flow and during the entire time fuel is flowing.
- Always maintain control of the fuel filler pipe nozzle when filling the tank.
- Do not fill the fuel tank to capacity. Allow room for expansion.
- Always wipe up spilled fuel immediately.
- Always tighten the fuel tank cap securely. If the original fuel tank cap is lost, replace it with a genuine replacement cap. A non-approved cap may not be safe.
- Always keep equipment clean and properly maintained.
- Do not drive equipment near open fires.
- Do not use fuel for cleaning purposes.
- Always arrange fuel purchases so that summer grade fuels are not held over and used in the winter.
- Always ground fuel storage tanks to prevent static buildup.

Section 2: Regulatory and Compliance – Contents

Regulatory and Compliance	.2-3
FCC Notifications	.2-3
Industry Canada Notifications	.2-4
Identifying the Module	.2-5

Regulatory and Compliance

FCC Notifications

Telematics Module

These devices comply with Part 15 of the Federal Communications Commission (FCC) Rules. Operation is subject to the following two conditions:

These devices may not cause harmful interference and these devices must accept any interference received, including interference that may cause undesired operation.

These devices must be operated as supplied by Buhler Versatile Ltd. Any changes or modifications made to these devices without the express written approval of Buhler Versatile Ltd. may void the user's authority to operate these devices.

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, no guarantee shall be made that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV.

Ethernet Switch

This device complies with part 15 of Federal Communications Commission (FCC) rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case, the user will be required to correct the interference at his own expense.

Industry Canada Notifications

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Modular Telematics 4G LTE and Satellite Module

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

These radio transmitters (Modular Telematics 4G LTE IC: 11137A-MA4G and Satellite Module IC: 4650A-Q9612) have been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with these devices.

PFA10877, PFA10878, PFA10879, PFA10880,
PFA10881, PFA10882, PFA10883 (MTG 4G LTE High Performance Antenna)
PFA10889, PFA10890, PFA10891, PFA10896 (MTG 4G LTE Low Profile Antenna)

GPS / GSM / Wireless Antenna: Omnidirectional

- GPS L1: 1575 ± 2 MHz Frequency
- GLONASS: 1597.551—1605.886 MHz Frequency
- GSM 850: 824—894 MHz Frequency
- GSM 900: 880—960 MHz Frequency
- GSM 1700: 1710—1755, 2110—2170 MHz Frequency
- GSM 1800: 1710—1880 MHz Frequency
- GSM 1900: 1850—1990 MHz Frequency
- 50 Ω Required Impedance
- 24 - 28 dB GPS L1 Maximum Permissible Gain
- Wireless 2.4: 2401—2495 MHz Frequency
- Wireless 5: 4910—5825 MHz Frequency
- IEEE802.11a/b/g/n Compliant
- Bluetooth®: 2402—2480 MHz Frequency PF81427

Satellite Antenna

- 1616—1625.5 MHz Frequency
- 50 Ω Required Impedance
- 0 dBi Maximum Permissible Gain

Radio Frequency Exposure Guidance

This equipment complies with FCC and Industry Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm (8 in) between the radiator and persons. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC and Industry Canada multi-transmitter product procedures.

Identifying the Module

Each device has an identification sticker at the front of the module with model and unique serial number to identify the unit.

When identifying the module, do not include the decimal points. The barcode denotes the serial number.



Section 3: Basic Functionality Overview – Contents

Basic Functional Overview	.3-1
Basic Functionality Overview	.3-3
Telematics Device Theory of Operation	.3-3
Shared Data Capabilities and Tractor	
Website	.3-3
Wireless Network	.3-3
Key Features	.3-4
Data Collection and Ownership	.3-4
Telematics Functions	.3-5
Telematics Functions List	.3-5

Basic Functionality Overview

Telematics is a combination of telecommunications, vehicular technologies, electrical engineering and computer science.

Telematics can involve any of the following:

- The technology of sending, receiving and storing information using telecommunication devices to control remote objects
- The integrated use of telecommunications and informatics for application in vehicles and to control vehicles on the move
- Global navigation satellite system technology integrated with computers and mobile communications technology in automotive navigation systems
- Sometimes the use of such systems within road vehicles, also called vehicle telematics.

Telematics Device Theory of Operation Introduction

The telemetric module is one of the main components that enables telematics functions and is a controller that contains firmware, a cellular modem, and a subscriber identification module (SIM) device. Data transfers from the unit to and from the host server over a cellular network. The telematic module also contains a wireless modem that is used to transfer data when connected to a wireless network.

The Versatile Telematics System is either already installed or requires the purchase of the approved hardware and a subscription. When the module is powered for the first time, it registers with the online host server and receives the authorization to report equipment data.

The Versatile Telematics System sends and receives data and messages over cellular or wireless networks supporting other telematics solutions, including applications that work with shared data. Telematics solution applications, such as over the air updates, require an uninterrupted cellular connection to function. Telematics do not require an uninterrupted cellular connection because the module can store machine data for multiple hours. When the tractor returns to an area of cellular coverage, the most recent data is forwarded to the host server at its next scheduled time.

Website

Data sent by the module is made available to registered users using a password secure website log in. Notifications are sent to users using secure media. The dealer shall log in to transfer each module to a customer's account.

Historical data from the tractor can be access on the website. Data collected such as; location, hours, idle time, maintenance and other tractors if required.

Wireless Network

Wireless modem within the module communicates with local networks local access points like home or shop network. The module can send and receive data and messages over a wireless network the same as over a cellular network.

Key Features

The Versatile Telematics product enables you, Versatile and its Dealers to access data real time to provide the following features:

- Track equipment in real time on a map for better fleet management.
- “See what the driver sees” when you aren’t in the tractor seat yourself.
- Receive immediate alerts, via text or email, when issues occur with the tractor.
- Provide access for your dealer to do advanced remote diagnostics.
- Track maintenance activities to ensure they are done on time.

Data Collection and Ownership

The Versatile Telematics product enables Versatile and its Dealers to access any data generated by the use of, collected by or stored in the product or any device interfacing with the website subscription.

For more details refer to the Telematics Privacy Policy and Terms and Condition documents.

Types of data transmitted:

- Tractor current location and condition.
- Tractor usage history.
- Tractor fault and alert history.
- Tractor maintenance history.
- Your farm and authorized users’ details.
- Tractor geofence alert history.

Telematics Functions

NOTE: Not all functions are included, talk to your Versatile Dealer about the subscription that is right for you.

NOTE: Not all services are available in all countries. Contact your Versatile Dealer for availability of service in your area.

NOTE: Not all services are compatible with all machines, contact your Versatile Dealer for more information.

Telematics Functions List

NOTE: Availability of functions seen below will depend on subscription.

Function	Description
Status	Machines are monitored by the following machine status: Idle, Working and Transporting.
Road and Satellite Map Locations and Driving Directions	Map displays location of a machine when it last called in using Google Maps. Map can be displayed as street map, satellite imagery with no street info, satellite imagery with street map overlay, or land contour map with street map overlay.
Tractor Hours	Machine hours displays hours that a machine was on or off and the dates that hours were reported.
Geofence and curfew alerts	Geofence allows user to set up a defined area. An alert can be set up to notify owner if machine enters or exits that specific geofence. Curfew alerts feature enables users to set when a machine should be allowed to turn on. For example, if users only want a machine to operate from 9 a.m. to 5 p.m., and that machine is started at 6:05 p.m., an alert is sent to the users. These alerts can be sent through email or SMS text message, depending on operator's preference.
Advanced tractor utilization	The module records data from sensors throughout the machine. The types of advanced machine utilization data collected vary by machine type and model.
Maintenance	Maintenance profile allows users to view when their machines are coming due, are due, or are overdue for maintenance. Users may elect to allow third-party access to their account so maintenance can be scheduled efficiently.
Remote Diagnostics Using Fault Codes	Versatile Telematics can alert users when one of their machine produces a fault code. Managers can view the code on the website to know exactly which codes have been generated on the machine. Users can also set up their account to send alerts through email or SMS text.

Section 4: Hardware Overview – Contents

Hardware Overview	.4-3
Hardware Overview	.4-3
Components	.4-3
Telematics Module	.4-3
Wireless Communication	.4-3
Operating System	.4-3
Processing	.4-3
Connection Interfaces	.4-4
SIM Card Location	.4-4
Serial Number Location	.4-4
Antennas	.4-5
GPS/Cellular Antenna	.4-5
Wireless Antenna	.4-5
What Web Browsers Can I Use?	.4-5
What Versions of Smart Phones/Tablets Can I Use?	.4-5

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Hardware Overview Components

Telematics Module

The telematics module (1) is a TCG-4 with a 32-bit ARM processor for multiple communication interfaces. The module is designed to operate through the shock, vibration and temperature variations found in tractor applications.

Wireless Communication

The module (1) manages the communication within the tractor, its onboard devices, among other machines (M2M) and to the internet and cloud services.

- 4G LTE Modem (Cat 4)
- GPS / GNSS / GLONASS
- WiFi

Operating System

The module (1 or 2) accesses cloud capabilities through systems such as Reach Asset Manager, Elevat Data Manager or third party connections. These allow for remote technical support, application distribution, and multiple device configuration for your tractors in the field.

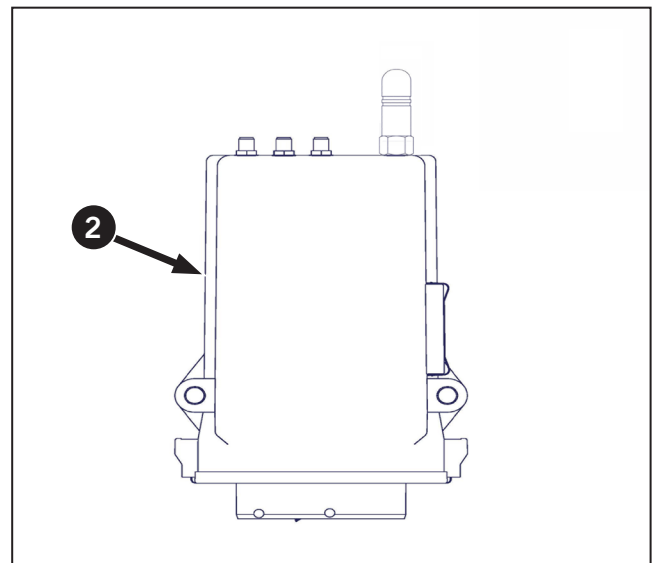
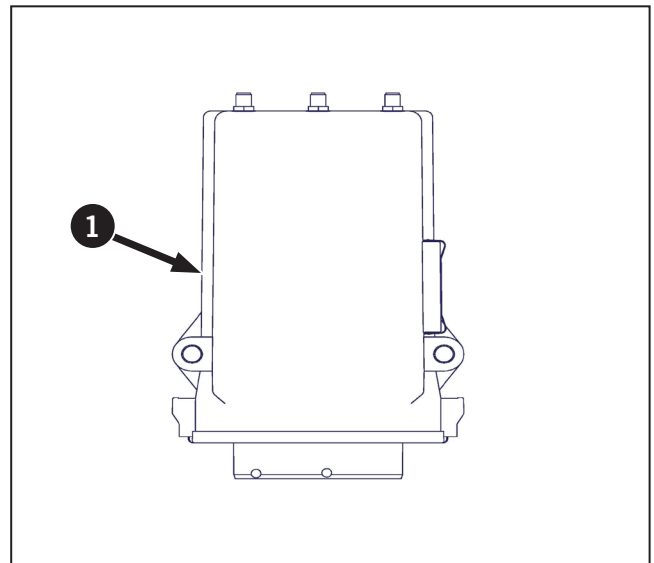
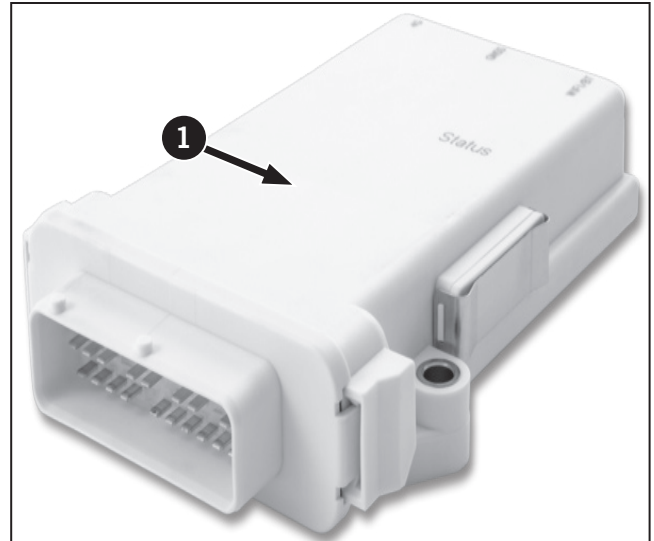
Third Party Connections:

- Azure
- AWS
- Bring-Your-Own-Cloud (BYOC)

Processing

The module's 32-bit ARM processor, DDR3 memory, and data storage options facilitate data preprocessing before exchanging data with cloud services.

- Processor - ARM Cortex A7 @ 696 MHz (optional up to A9)
- RAM - 512 MB (optional up to 1 MB)
- EEPROM - 128 kB
- eMMC Memory - 8 GB (optional up to 64 GB)



Connection Interfaces

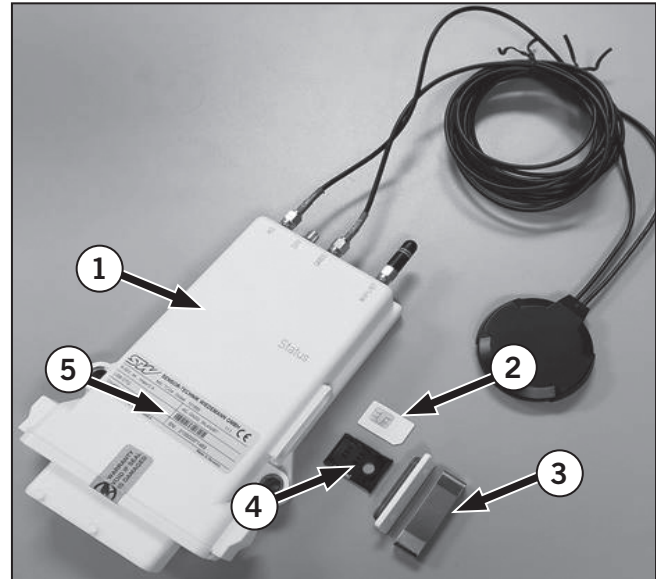
The module (1) also offers a broad range of physical connections to the device so that it can be easily adapted to onboard machine communication networks via:

- CAN x 4
- RS232 Serial x 2
- Ethernet x 1
- BroadR-Reach x 1
- I/O

Digital Input x 4

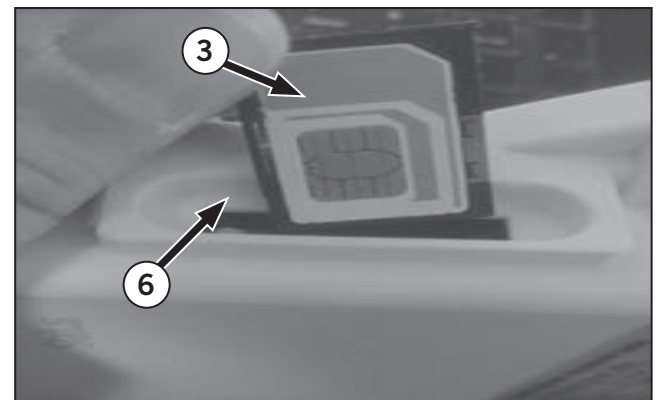
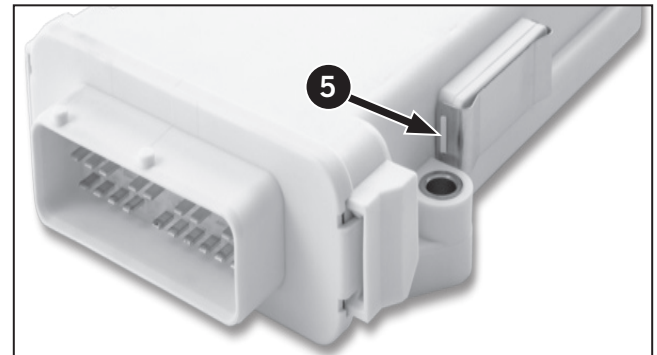
Multi Inputs x 4

Digital Outputs x 2/3



SIM Card Location

The module (1) uses a 2FF mini SIM card (2). To access, pry off the metal tab (5) on the side of the case, then pop out the SIM tray by pushing the yellow button (6) with a tiny screwdriver. The tray (4) will unlock and slide out a small amount, then it can be grabbed with small pliers. When reinserting, make sure the SIM card is fully in the tray (4) and flat and push all the way in. There is normally no click felt when reinserting, just make sure it goes all the way in but don't push too hard (see picture for orientation).



Serial Number Location

The serial number sticker (5) is located on the front of the module. Serial number in picture is "193173471008" (don't include the decimal points). Barcode decodes to "193173471008" (the serial number) when decoded as code 128.



Antennas

Versatile offers two types of antenna on the tractor. A GPS/Cell combined antenna (1) and a miniature whip antenna (2).

GPS/Cellular Antenna

The antenna (1) has combined functions:

As a LTE cellular antenna function which covers all main LTE and 3G/2G cellular bands worldwide. Designed to work equally well when mounted on glass or on plastic. It is not suitable for mounting on metal.

GPS/GLONASS/GALILEO receiver providing machine location.



Wireless Antenna

The wireless mount antenna provides for 2.4GHz wireless applications such as Bluetooth and Wireless LAN.

What Web Browser Can I Use?

Most of the common browsers (Internet Explorer, Safari, Firefox, Google Chrome) will work for this application.

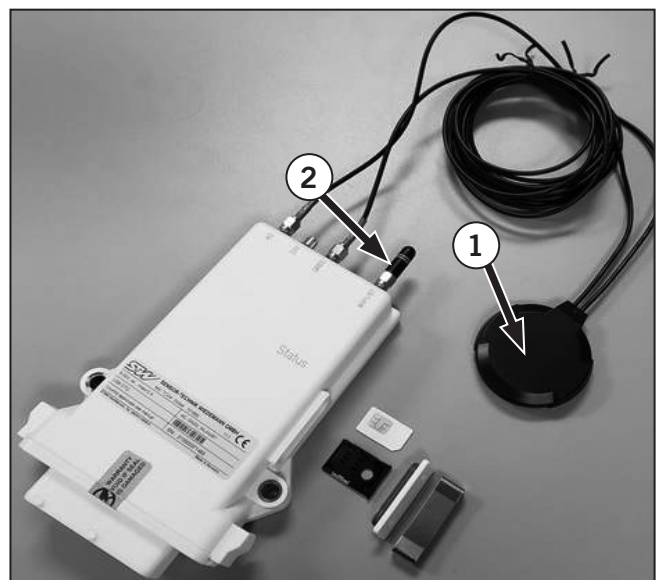
The manufacture recommends Google Chrome finding it has good speed and inter-connectivity. However, whatever browser you use currently should work fine. If you have any issues, you have the option to change browsers.

Using a web browser, Login at www.versatile-cbx.com (Enter your login info that has been provided to you from your administrator).



What Versions of Smart Phones/Tablets Can I Use?

Devices using the common platforms, Android and Apple iOS, will work for this application.



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Section 5: Telematics Portal Navigation – Contents

Telematics Portal Navigation	.5-3
Welcome to Telematics	.5-3
Your Account	.5-3
How to Sign Up for Telematics	.5-3
Logging In	.5-3
How to Create/Edit Account	.5-3
How to Reset Password	.5-4
Map Screen	.5-5
Menu Bar	.5-5
Map View	.5-6
Tractor Dashboard	.5-6
Organization Menu	.5-10
Geofence Screen	.5-11
User Screen	.5-12
Organization Menu Advanced Information	.5-13
Asset Model Screen	.5-13
Sub-Orgs Screen	.5-14
Organization Menu Additional Details	.5-14
Organization Menu - Geofences	.5-16
Events Menu	.5-17
Maintenance Menu	.5-18
Reports Menu	.5-18
Managing Telematics Data on Portal	.5-19
Tractor current location and condition	.5-19
Tractor usage history	.5-20
Tractor Fault and Alert History	.5-21
Tractor Maintenance History	.5-22
Tractor Geofence Alert and History	.5-23
Organization and Authorized User Data	.5-24
Using Telematics	.5-25
How to Share Telematics Data	.5-25
Authorizing Dealer	.5-25
Changing Dealer	.5-26
Creating New User Profile	.5-26
User Credential Levels	.5-26
How to Add Asset to Account	.5-27
How to Change Asset Name and Details	.5-28
Tractor Not Appearing on Portal?	.5-28
How to Set Notifications	.5-28
How to Change Asset Name and Details	.5-28
How to Setup Geofence	.5-29
How to Track Asset Maintenance	.5-31
How to View and Manage Alerts and Faults	.5-31
How to Setup Messages from Service Alarms	.5-32

Telematics Portal Navigation

Welcome to Telematics

This section will guide you how and where to log into the web application. It will also help familiarize you with how to navigate the application.

The telematics subscription comes with your tractor lasts for the 3 year warranty period. At the end of 3 years, you can choose to renew if you wish.

There is no cost for additional users on your account, since the subscriptions are based on the number of tractors you are monitoring.

If you sell your tractor, advise Versatile so that we can ensure your data is secure and your account is updated properly.

Your Account

How to Sign Up for Telematics

When you purchase your tractor, your Dealer will authorize Versatile to create an account for you.

Versatile will send you an e-mail confirming your personal and farm account have been created.

In the e-mail you receive you will receive:

- User ID (your e-mail address)
- Temporary password (change as soon as possible)
- Link to CBX Portal

Logging In

Open web browser and go to the Login page (1) at portal.versatile-cbx.comand. Enter your login information and password to access the Portal.

How to Create/Edit Account

Your farm and your personal account created by the CBX team when you purchase your new tractor will require you provide:

- Name
- E-mail address
- Phone number
- Business's name
- Business's mailing address
- Logo/brand (optional)

NOTE: Information can be updated later by pressing "Edit" on the Organization screen.

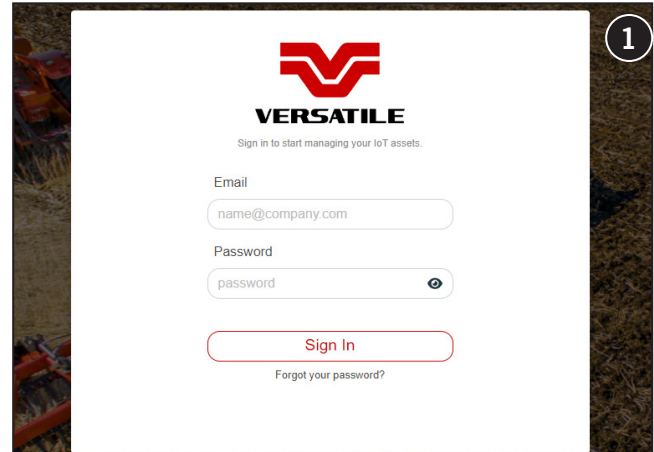


Figure 5-1 Login Page

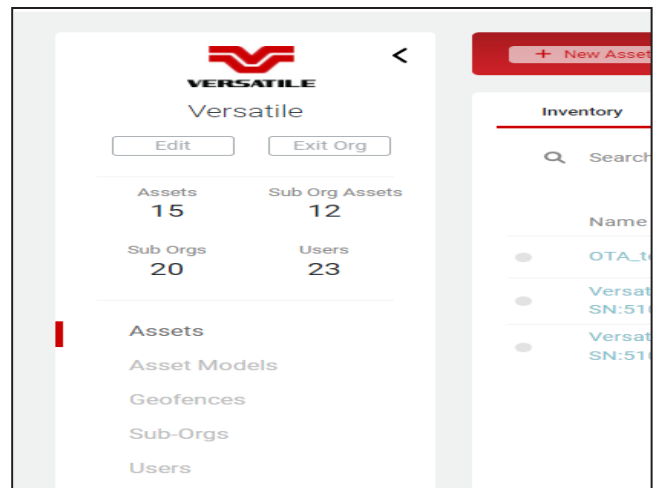


Figure 5-2 Edit Account

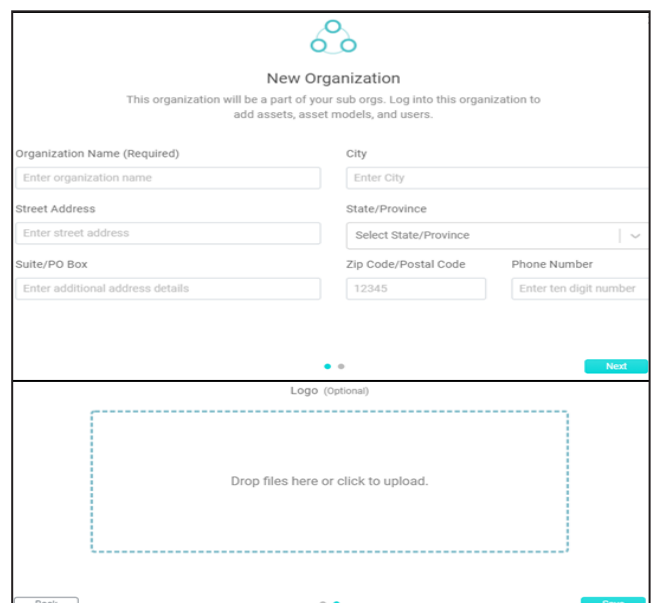


Figure 5-3 New Account and Logo

How to Reset Password

You are able to reset your password using one of these three options:

- Select “Forgot your password?”(1) on the login screen. Send a message to the CBX team to reset password.
- Edit your password from the “Users” screen(2).
- Edit your password from your personal “User Settings” screen (3).

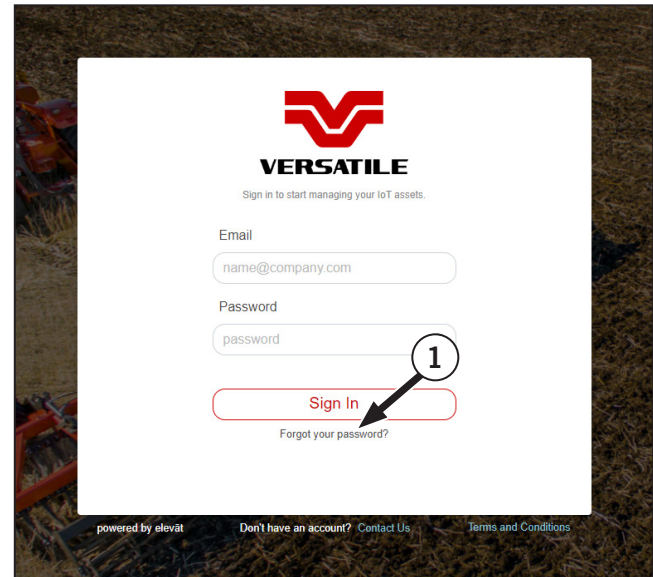


Figure 5-4 Forgot your password?

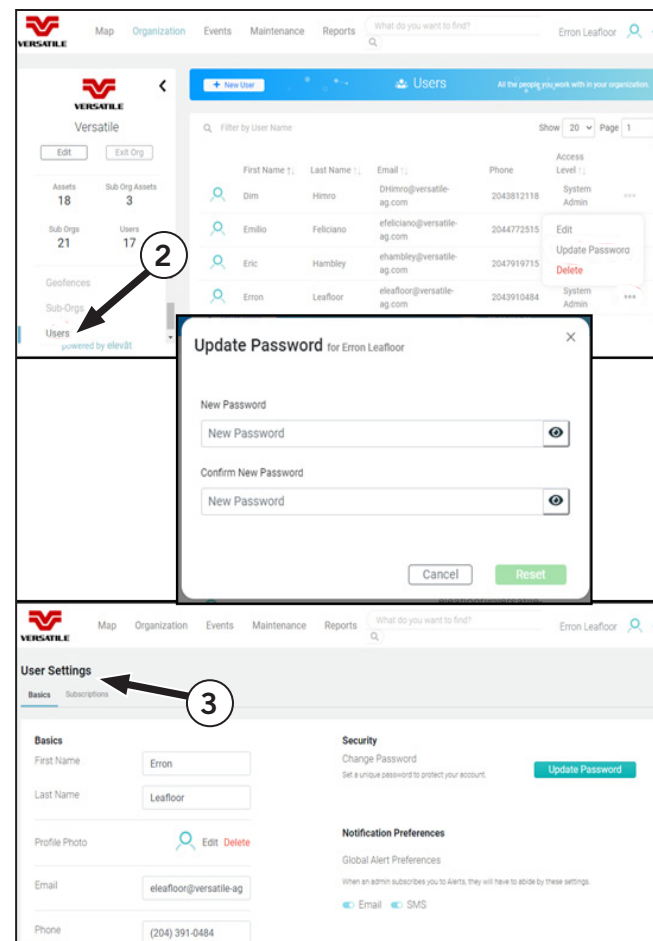


Figure 5-5 Edit Your Password

Map Screen

When you first log into the web application you will be taken to the map view.

The Map view displays the location of connected assets and provides a search and filter function to find desired assets.

Menu Bar

Use the top menu bar (1, Figure 5-6) to navigate to the various screens:

- Map (4) takes you to view Asset locations on Google map, filter assets, and easily drill down into asset dashboards.
- Organization (5) to configure and manage Assets, Asset Models, Geofencws, Sub-Orgs, and Users.
- Events (6) dashboard list of all triggered alerts and DM1 faults throughout your organization to quickly view and resolve issues.
- Maintenance (7) dashboard where you can track and sign off on required machine maintenance activities.
- Reports (8) to configure and schedule automated Utilization and Fleet reports.
- Search (9) global search across the whole application for names, serial number, organization, etc.

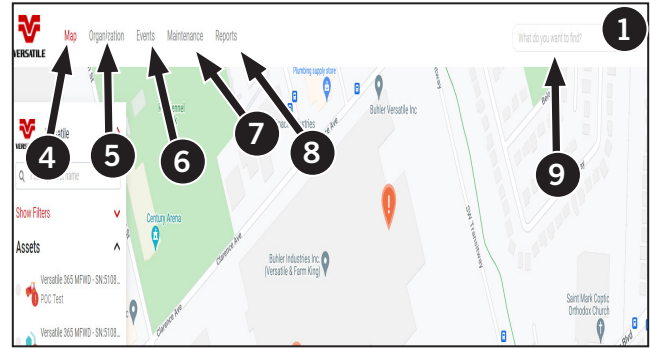


Figure 5-6 Menu Bar

Map View

Once you log in, the Map View (1, Figure 5-7) becomes the default view and helps navigate to the various information:

- Tractor search bar (2).
- User Settings (3).
- Help menu (4).
- Logout button (5).
- Group of tractors (clickable) (6).
- Single tractor (clickable) (7).
- List of tractors (8).
- Tractor list filter (9).

Clicking on the map icon (5), and then on the name of the tractor in the popup menu that appears will take you to the tractor dashboard (Figure 5-4) with

additional details.

Tractor Dashboard

The tractor dashboard layout (Figure 5-8) has 7 tabs:

- Dashboard Views (1)
- Tractor and Telematics Device (2)
- Maintenance History (3)
- Alert History (4)
- Fault Code History (5)
- Remote Command History (6)
- Subscriptions /Messaging Settings (7)

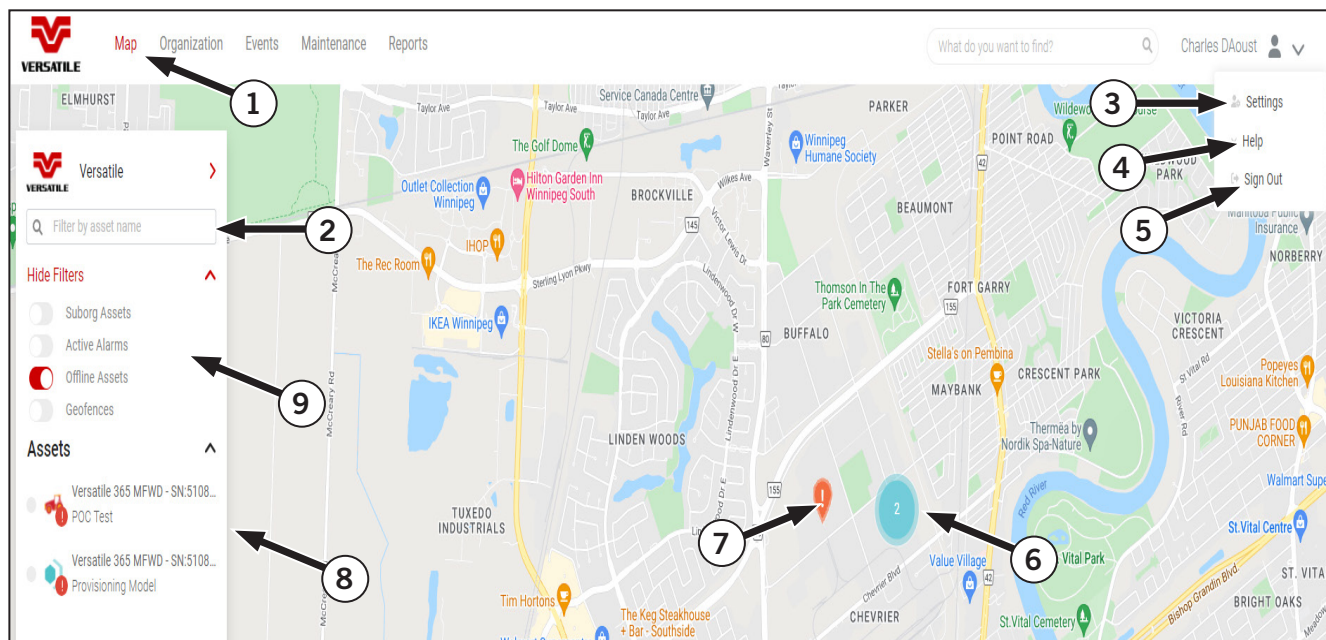


Figure 5-7 Map View

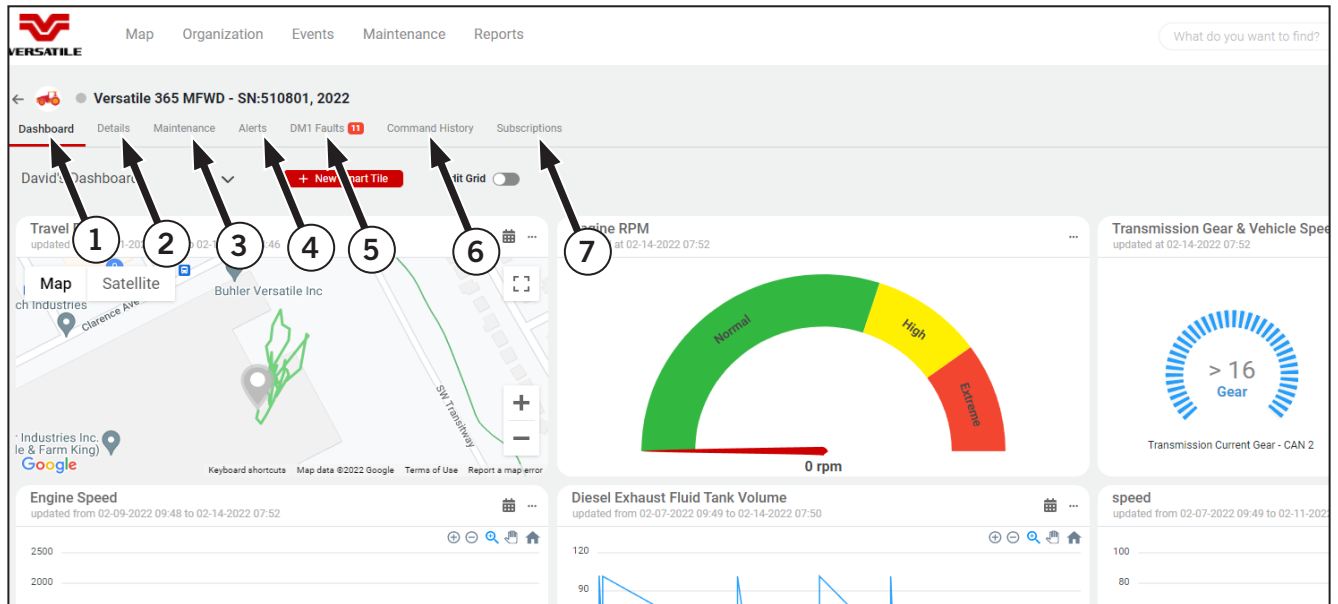


Figure 5-8 Tractor Dashboard Layout

Details tab (1, Figure 5-9) shows the following features:

- Telematics Device Details (2)
- Links to Tractor Online Resources (3)
- Tractor Details (4)

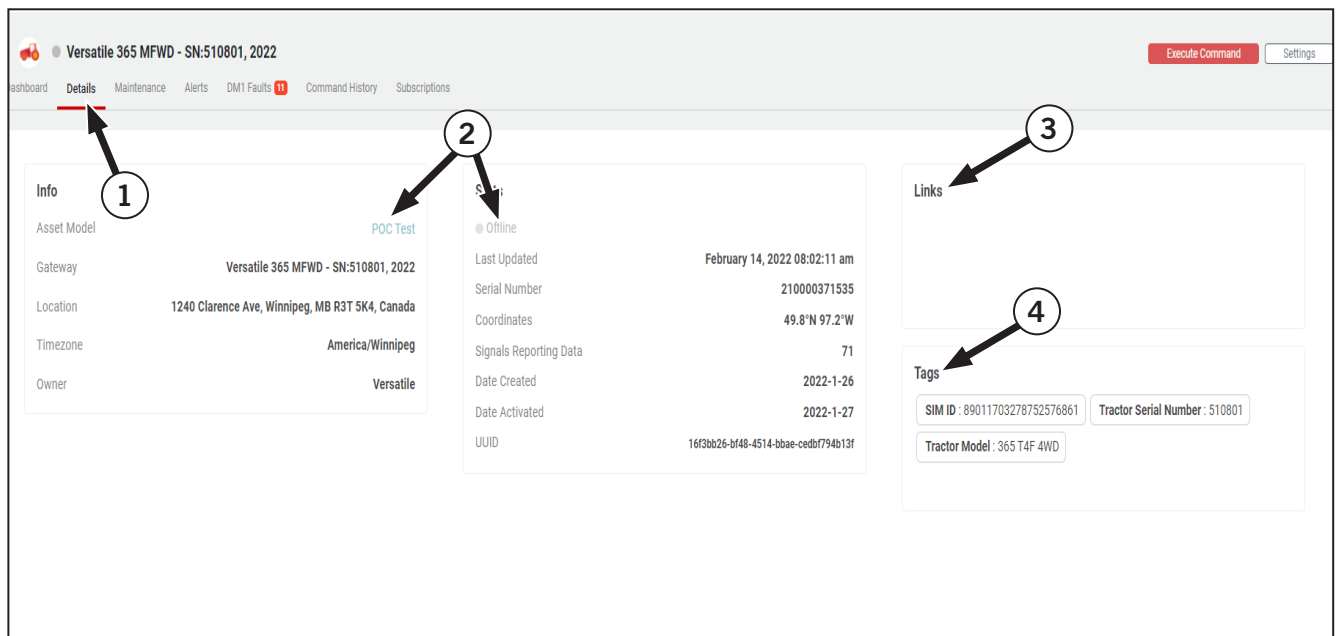


Figure 5-9 Tractor Details Tab

Maintenance and Service tab (1, Figure 5-10) has the following features:

- Service Completed (2)
- Service Instructions (3)
- Service History (4)

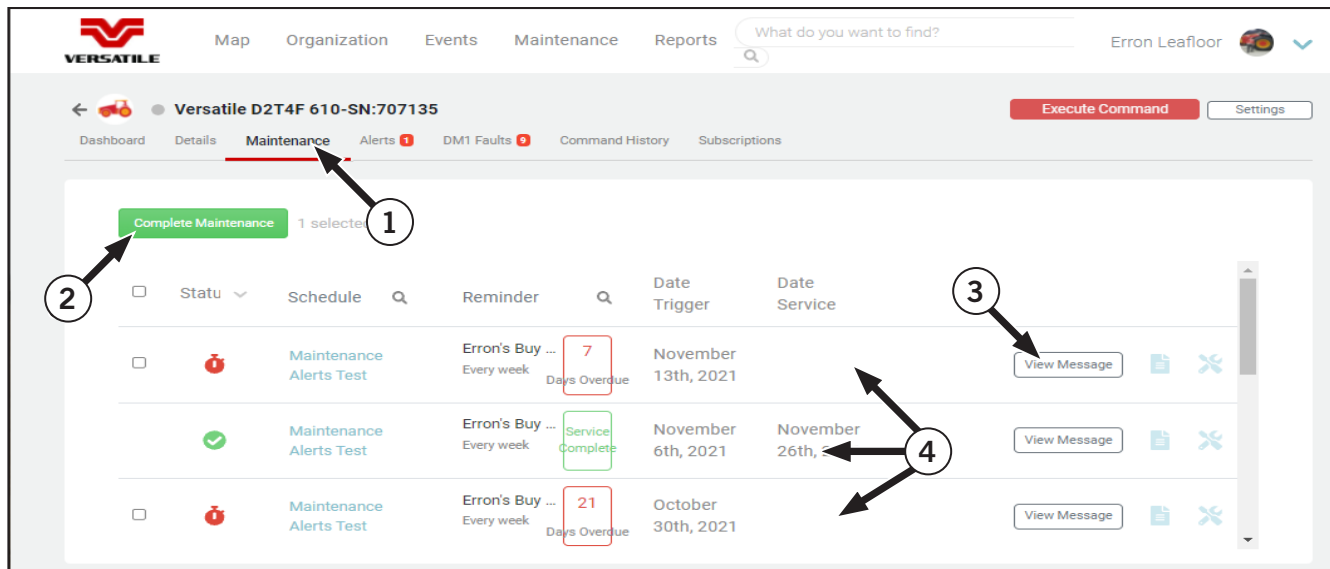


Figure 5-10 Tractor Maintenance and Service Tab

Tractor Alerts tab (1, Figure 5-11) has the following features:

- View Past Alerts (2)
- Acknowledge Alert (3)
- System Generated Alert (4)

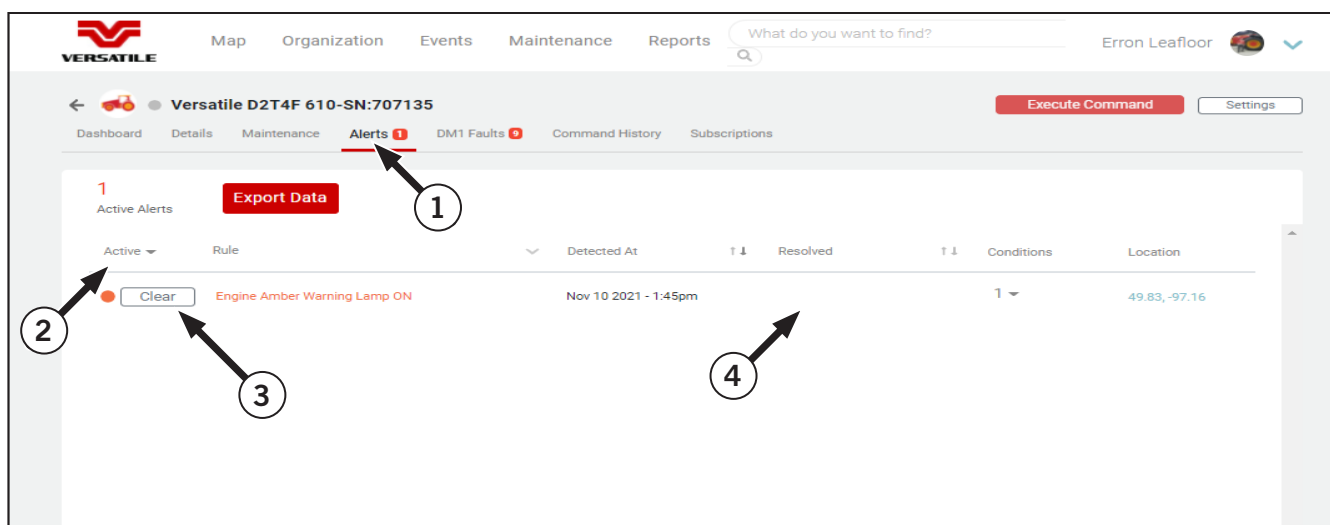


Figure 5-11 Tractor Alerts Tab

Tractor Faults tab (1, Figure 5-12) has the following features:

- View Past Faults (2)
- Severity Lamp (3)
- Tractor Generated Fault Code (4)

Active	Name	LAMP	Detected At	SPN	FMI	Source	CAN	Occurrences
●	520561 - Bad Intelligent Device or Component	▲	Jan 27 2022 - 10:47am	520561	12	Cab Controller - Primary	1	7
●	520255 - Normal Range: Moderately Severe Level	▲	Jan 27 2022 - 10:47am	520255	18	Cab Controller - Primary	0	2
●	520561 - Bad Intelligent Device or Component	▲	Jan 27 2022 - 10:47am	520561	12	Cab Controller - Primary	0	7
●	520255 - Below Normal Range: Moderately Severe Level	▲	Jan 27 2022 - 10:47am	520255	18	Cab Controller - Primary	1	2
●	Direction Indicator - Below Normal Range, Most Severe Level	▲	Jan 27 2022 - 10:43am	1619	1	Transmission #1	1	1
●	Direction Indicator - Below Normal Range, Most Severe Level	▲	Jan 27 2022 - 10:43am	1619	1	Transmission #1	0	1
●	Auxiliary I/O #04 - Mechanical System not Responding or Out of Adjustment	▲	Jan 27 2022 - 10:43am	704	7	Instrument Cluster #1	1	2
●	Direction Indicator - Below Normal Range, Most Severe Level	▲	Jan 27 2022 - 10:43am	1619	1	Instrument Cluster #1	1	1

Figure 5-12 Tractor Faults Tab

Tractor Command History tab (2, Figure 5-13) tracks remote access history, including clearing DM1 Fault list:

- History of Remote Commands Sent to Tractor (1)
- Remote Control Status (3)

Status	Command Name	Fired By	Response
Failed	request template update when switching org	admin@elevat-iot.com	Asset is offline
Failed	request template update when switching org	admin@elevat-iot.com	Asset is offline

Figure 5-13 Tractor Command History Tab

Tractor Subscriptions tab (1, Figure 5-14) has the following features:

- Employee List (2)
- Enable Fault Code Emails (3)
- Enable Fault Code Texts (4)
- Enable Alert Emails and Texts (5)

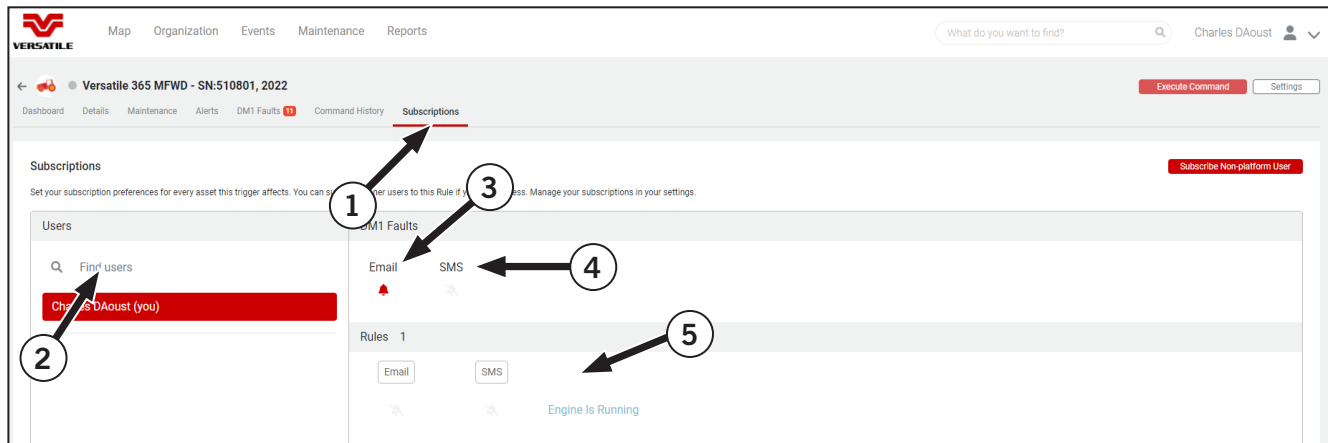


Figure 5-14 Tractor Subscriptions Tab

Organization Menu

The Organization menu (1, Figure 5-15) provides links:

- Edit Organization Details (2)
- List of Assets (3)
- Tractor Status Icon (4)
- Tractor (clickable) (5)
- Detailed Tractor List (6)
- Edit Tractor Name (7)

NOTE: Equipment list is the default screen.

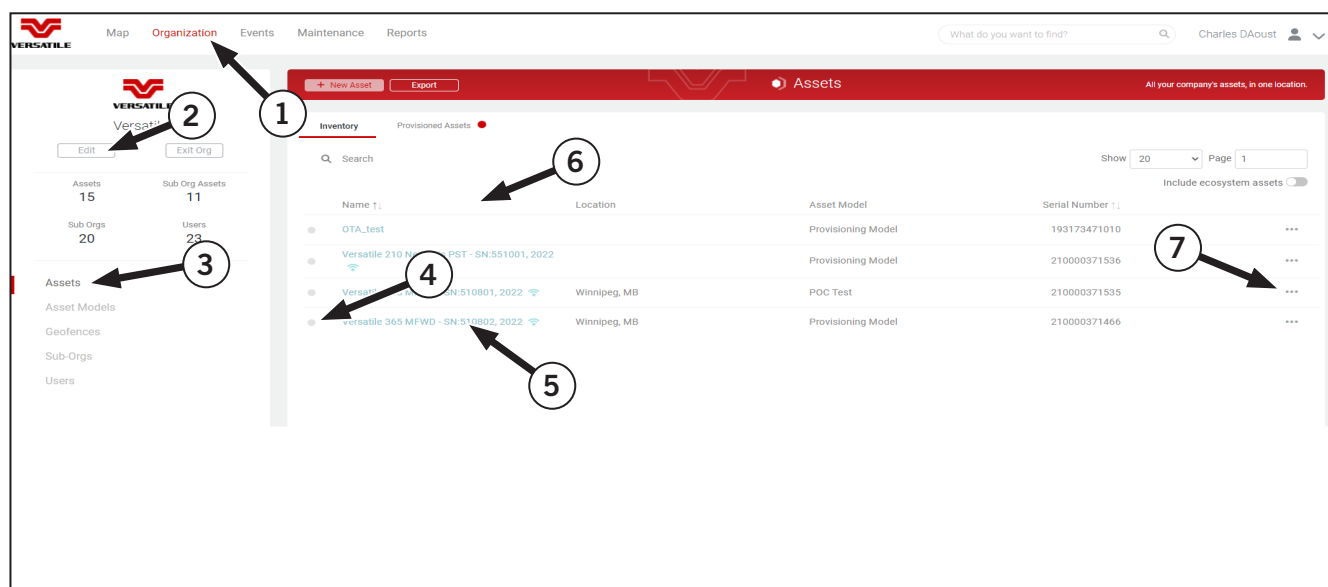


Figure 5-15 Organization Menu

Geofence Screen

Geofence screen (1, Figure 5-16) is to create new Geofence provides the following features:

- Create New Geofences (1)
- List of Geofences (2)
- Edit Geofence (3)



Figure 5-16 Geofences

User Screen

User screen (1, Figure 5-17) is used to create new Users and provides the following features:

- Users (1)
- Add Users (2)
- List of Authorized Employees (3)
- Edit User's Information (4)

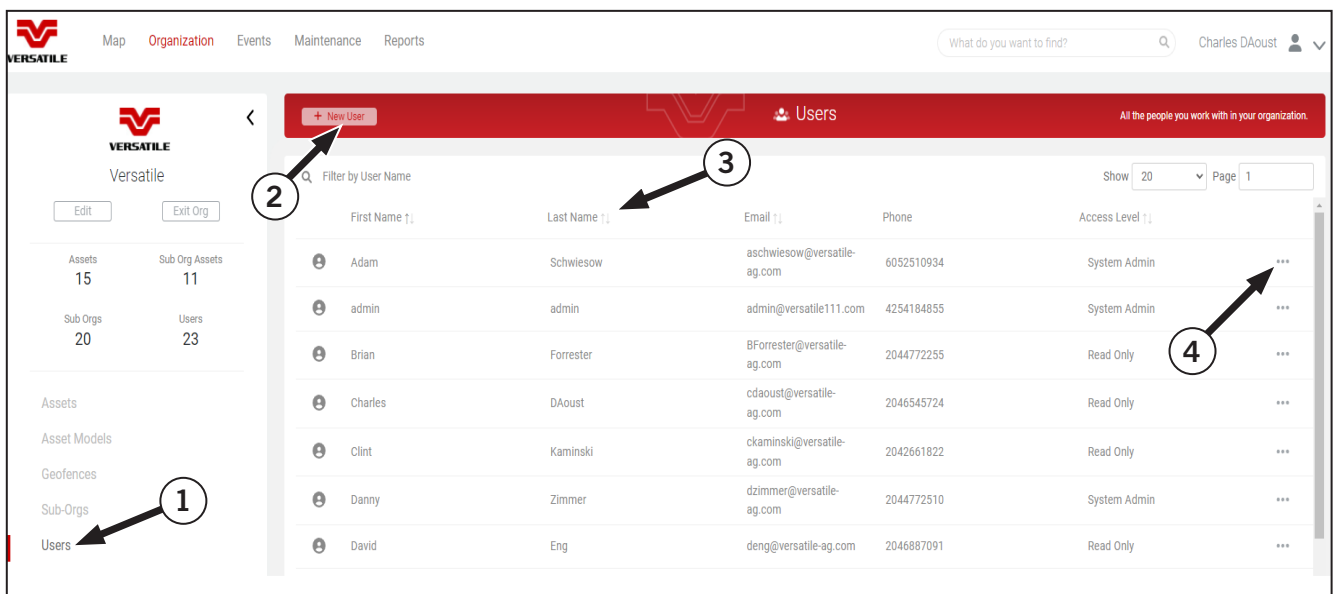


Figure 5-17 User Menu

Organization Menu - Advanced Information

The Organization menu (1, Figure 5-18) provides links:

- Edit Farm/Dealership Details (2)
- Assets (3)
- Tractor Status Icon (4)

- Tractor (clickable) (5)
- Detailed Tractor List (6)
- Edit Tractor Name (7)

NOTE: Equipment list is the default screen.

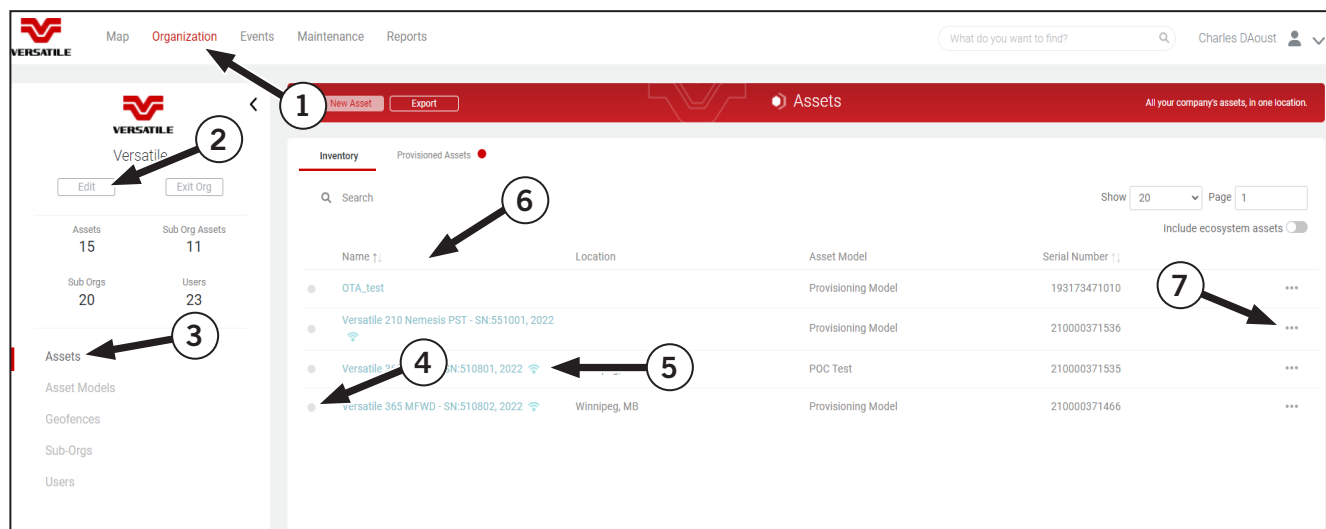


Figure 5-18 Organization Menu

Asset Model Screen

The Asset Model screen (1, Figure 5-19) is used to create new models and provides the following information:

- Asset Model List (1)
- Tractor Model Specific Telematics Software (2).

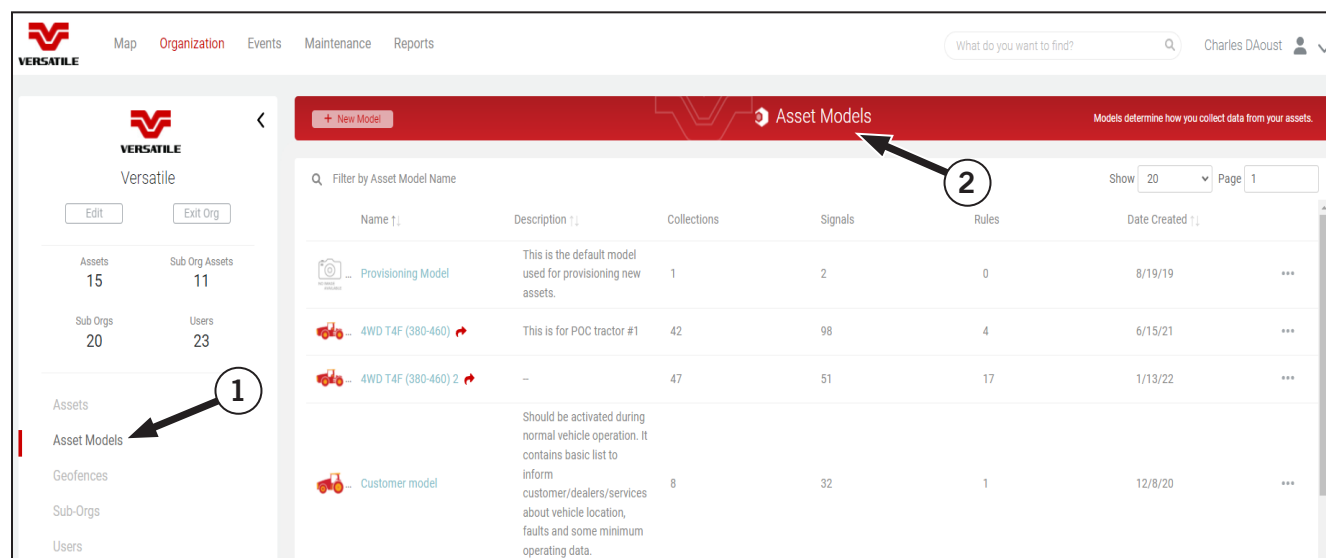


Figure 5-19 Asset Models Screen

Sub-Orgs Screen

Sub-Orgs screen (1, Figure 5-20) is used to create new Orgs and provides the following features:

- Sub-Orgs List (1)
- Add New Organization (2)
- Organizations below yours who's tractors you can view ("Sub-Orgs") (3)
- Organization Details (clickable) (4)

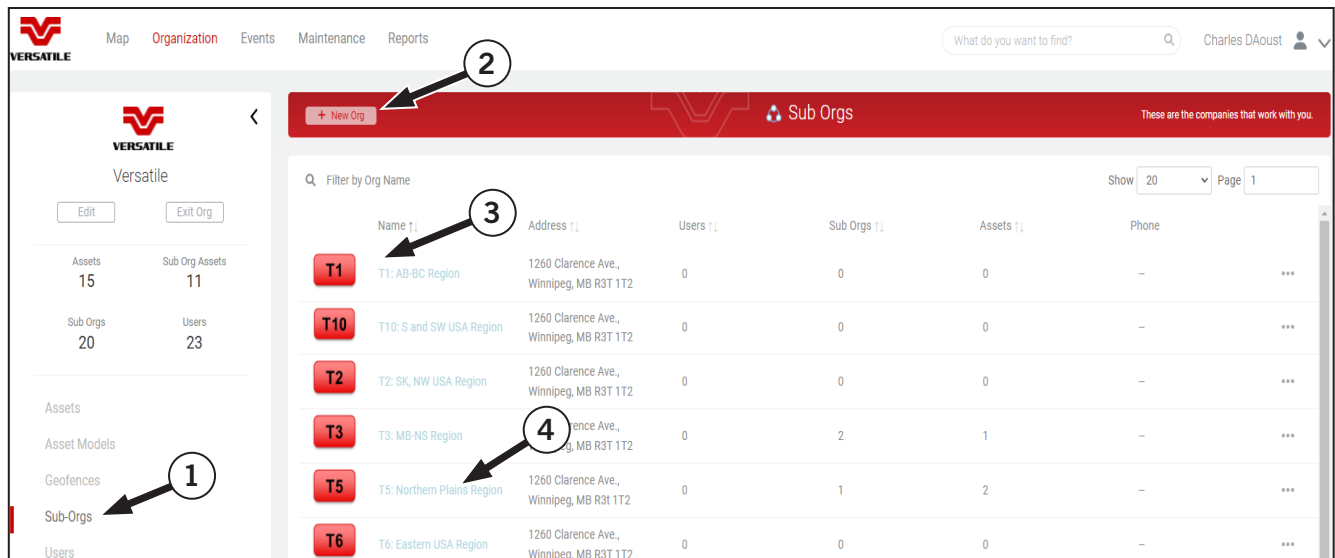


Figure 5-20 Sub-Org Screen

Organization Menu - Additional Details

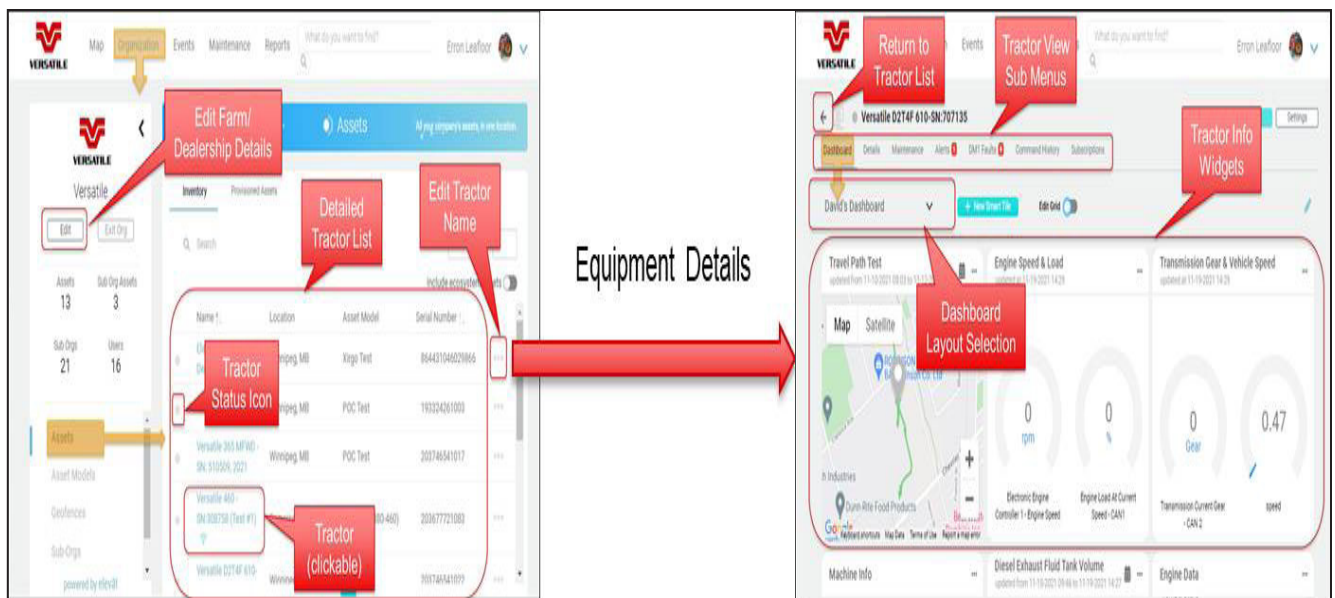


Figure 5-21 Organization Menu to Equipment Details

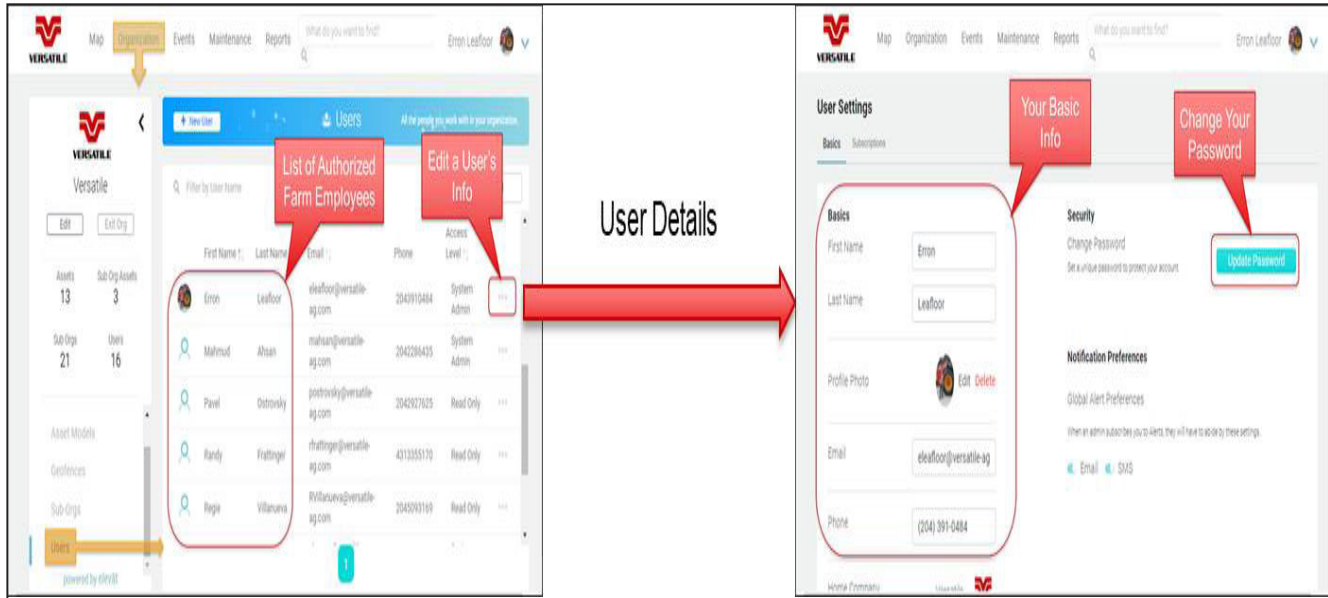


Figure 5-22 Organization Menu to User Details

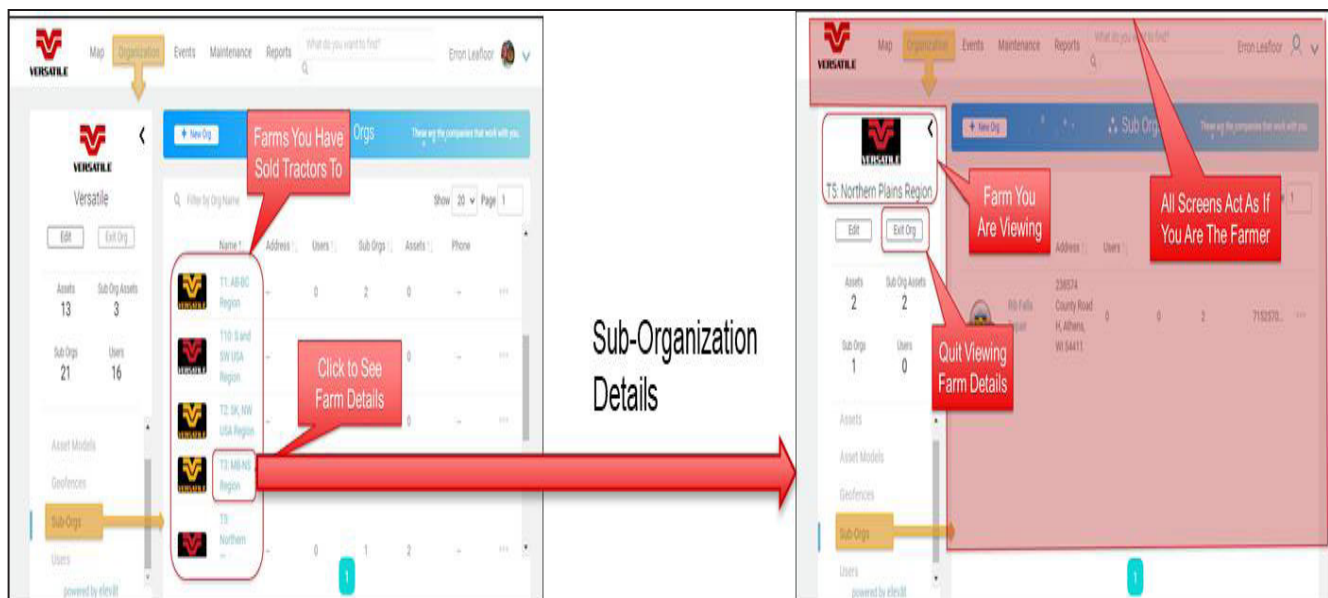


Figure 5-23 Organization Menu to Sub-Organization Details

Organization Menu - Geofences

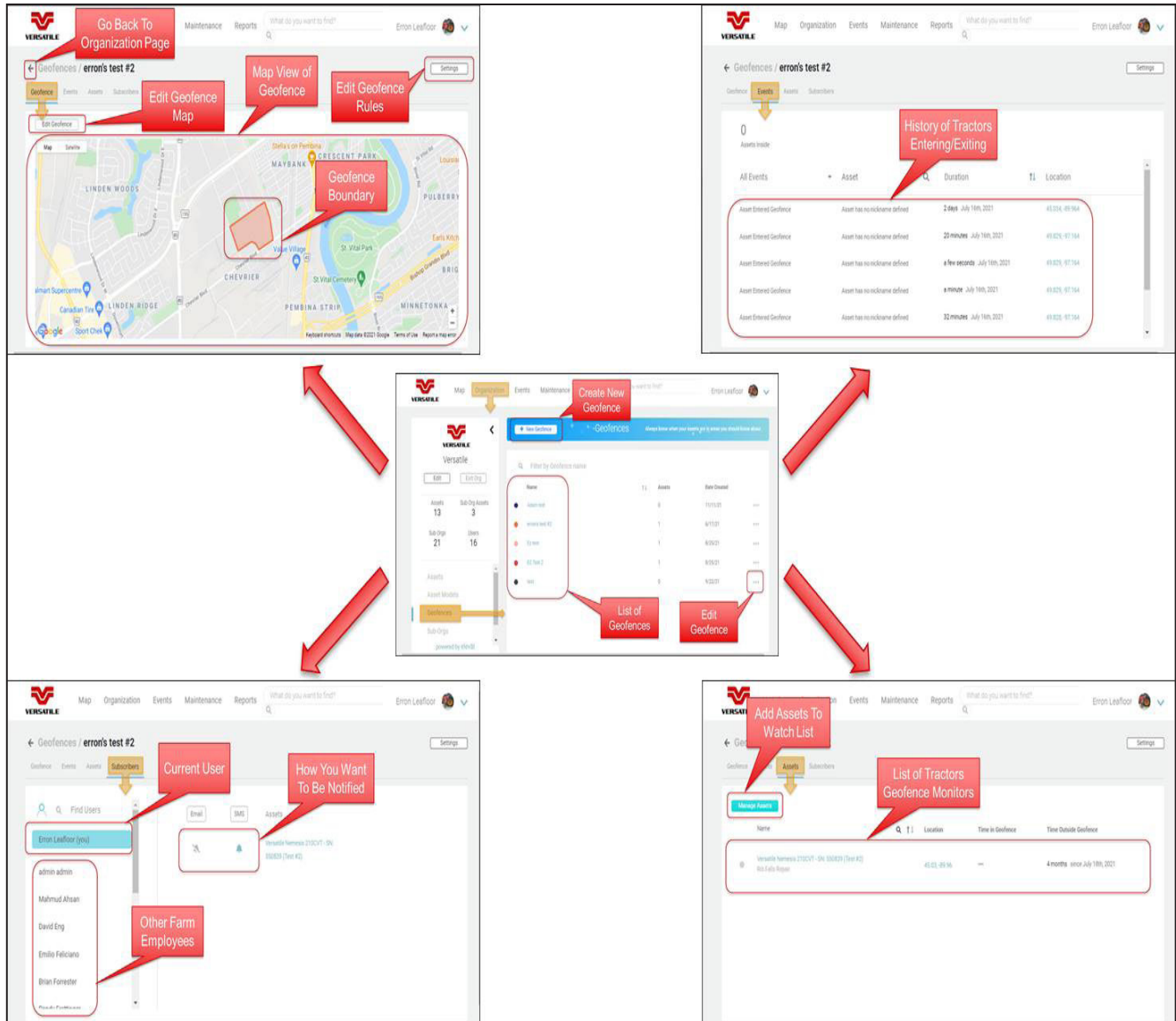
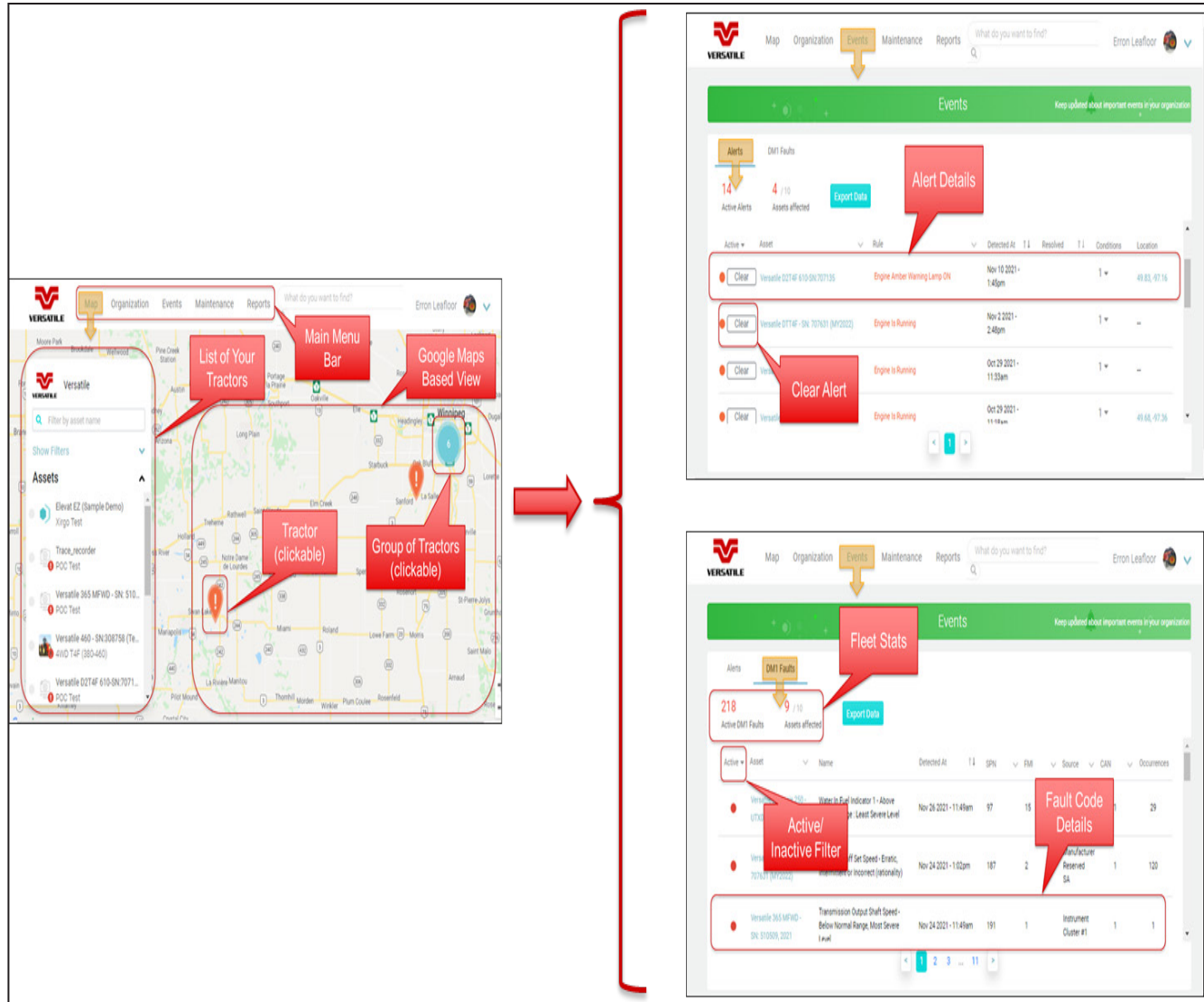


Figure 5-24 Organization Menu Geofences

Events Menu

All the details about Fault Codes and System Generated Alerts are found under this heading.

The Alerts and Faults are gathered from the fleet of machines in one place.



The screenshot illustrates the navigation within the Versatile Telematics Portal. The left panel shows the main menu with 'Events' highlighted. The right panel shows the 'Events' page with 'Alerts' and 'Faults' sections. Red callouts identify key features:

- List of Your Tractors**: A sidebar showing a list of assets.
- Main Menu Bar**: The top navigation bar with 'Events' highlighted.
- Google Maps Based View**: A map view showing the location of assets.
- Tractor (clickable)**: A red pin on the map representing a single asset.
- Group of Tractors (clickable)**: A blue circle on the map representing a group of assets.
- Alert Details**: A callout pointing to the 'Alerts' section of the Events page.
- Clear Alert**: A button to clear an alert.
- Fleet Stats**: A callout pointing to the 'Fleet Stats' section of the Events page.
- Active/Inactive Filter**: A filter to toggle between active and inactive alerts.
- Fault Code Details**: A callout pointing to the 'Faults' section of the Events page.

Figure 5-25 Events Menu

Maintenance Menu

All upcoming and overdue maintenance tasks for the fleet are found here.

These tasks also have SMS and email alerts that can be activated to act as reminders.

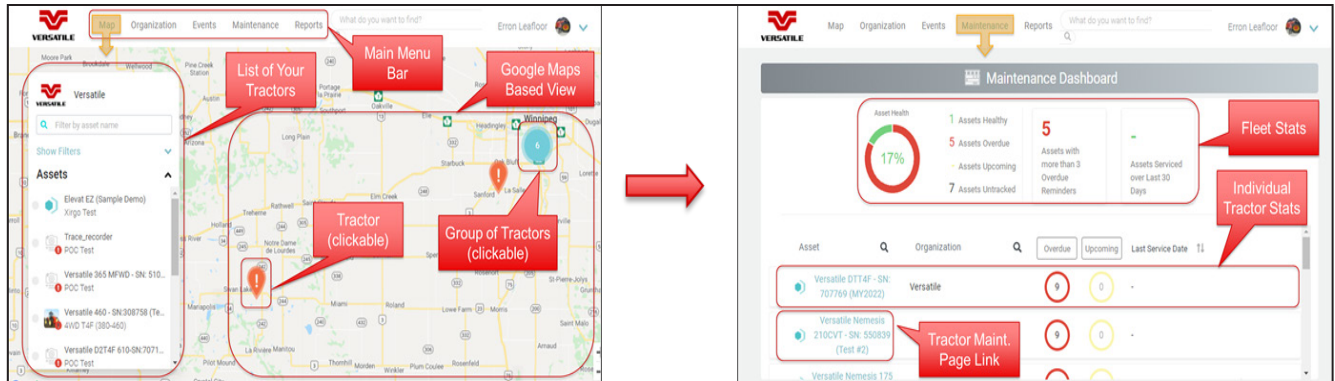


Figure 5-26 Maintenance Menu

Reports Menu

For larger operations, with multiple machines, reports are a good way to track statistics.

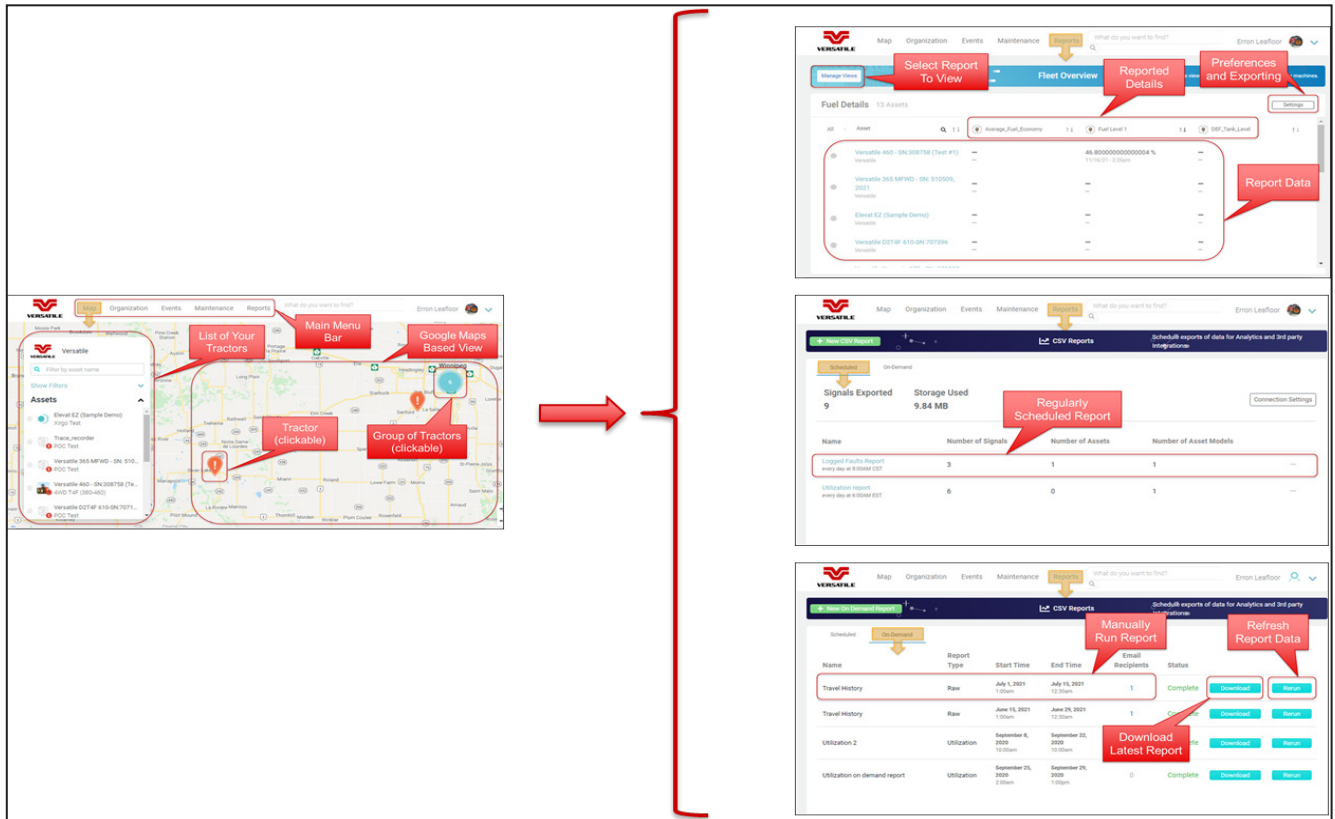


Figure 5-27 Reports Menu

Managing Telematics Data

The Telematics Portal is accessed through your favorite web browser:

- Chrome
- Internet Explorer
- Microsoft Edge
- Safari

The Portal can also be accessed using your smart device using a mobile web browser for iOS or Android platforms.

The main types of data you are able to manage on the Portal on their dashboards:

- Tractor current location and condition
- Tractor Usage History
- Tractor Fault and Alert history
- Tractor Maintenance History
- Your Farm and Authorized Users' Details
- Tractor Geofence Alert history

Tractor Current Location and Condition

A basic overview of where all your machines are, if they are active and key information about them can be found in one place, the Map Screen

For more details, click on the tractor on the map, or on the Asset Lists on the Map and Organization Screens

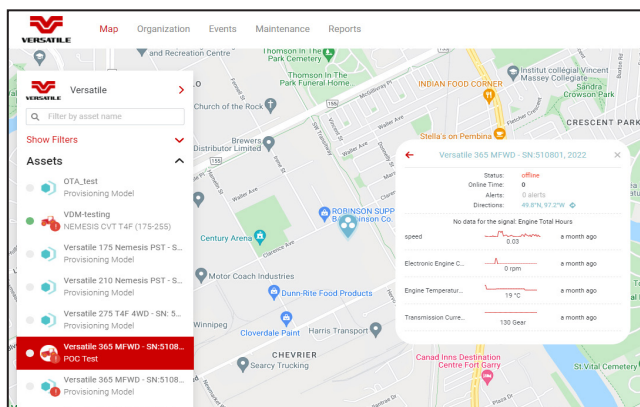


Figure 5-28 Map View with Tractor Selected

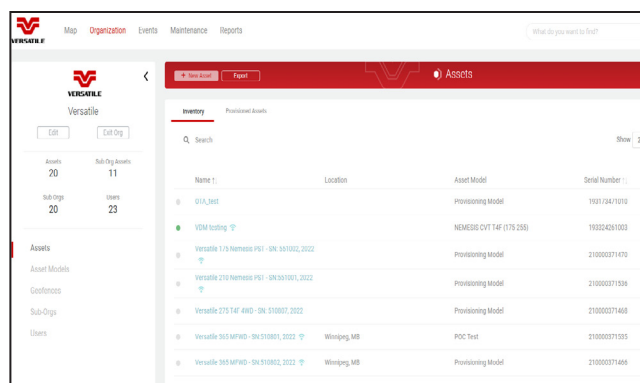


Figure 5-29 Assets List

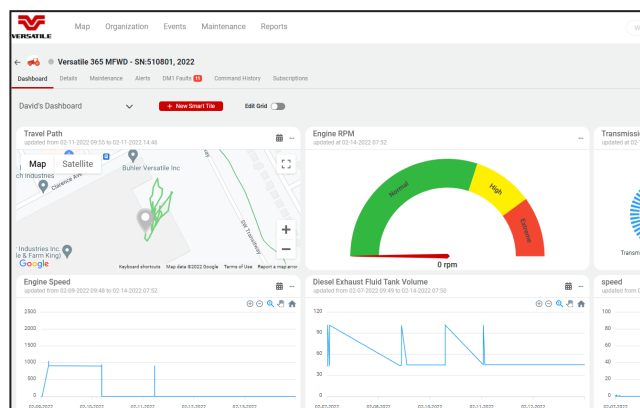


Figure 5-30 Dashboard View (example)

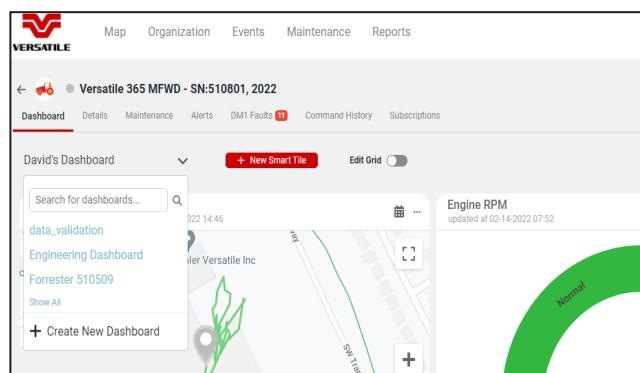


Figure 5-31 Multiple Dashboard Layouts Available

Tractor Usage History

Widgets on the dashboard provide the history of your equipment's performance

Key data points include travel path, engine speed, travel speed

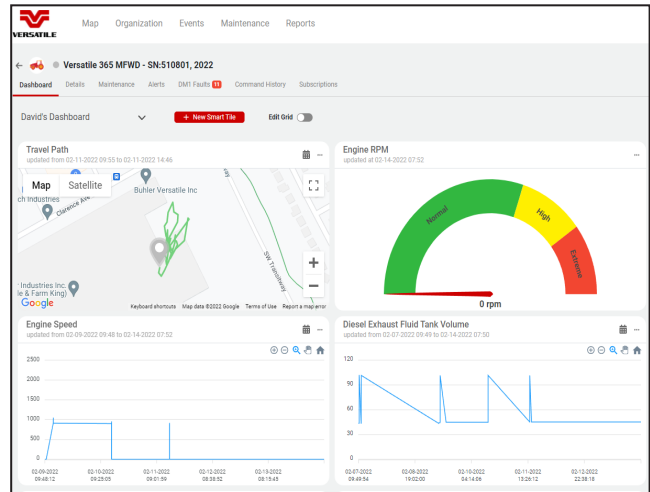


Figure 5-32 History Widgets (example)

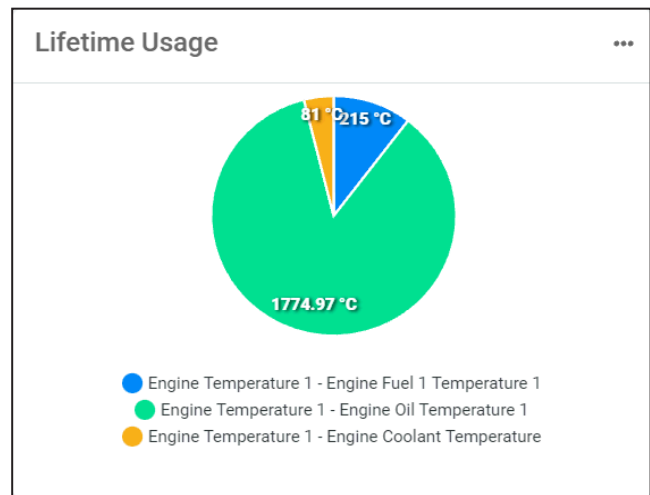


Figure 5-33 Usage Chart on Dashboard

Tractor Fault and Alert History

Access tractor's Fault/Alert History by:

- Using the tabs as the top of the tractor Dashboard Screen (Figure 5-34).
- Viewing your entire fleet's Fault/Alert history in the Events Menu (Figure 5-35).

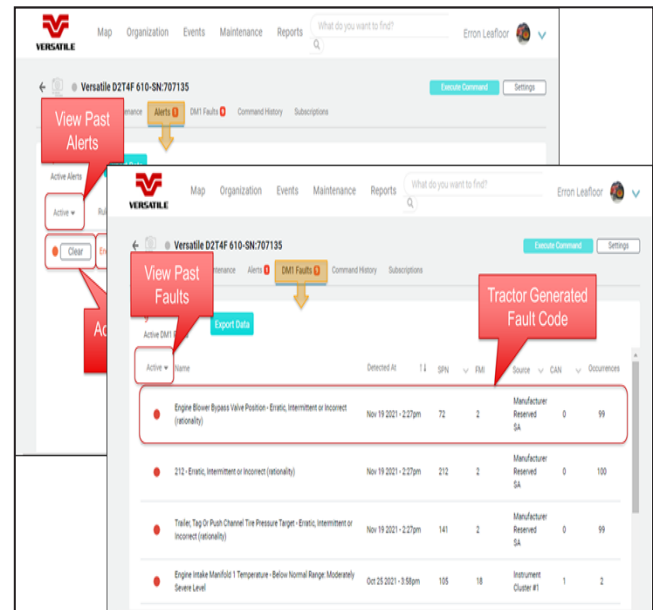


Figure 5-34 Tractor Dashboard - Faults/Alerts

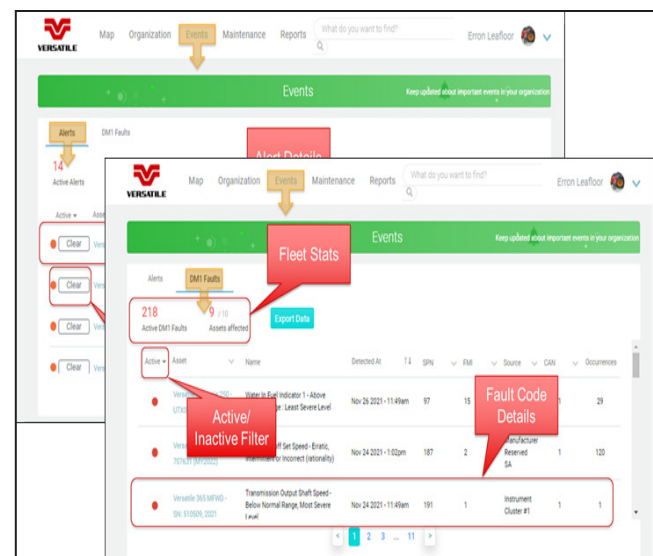


Figure 5-35 Events Menu - Faults/Alerts

Tractor Maintenance History

Access tractor's Maintenance by:

- Specific maintenance history for a tractor in the Tractor Dashboard (Figure 5-36).
- The stats for your entire fleet in the Maintenance Menu (Figure 5-37).

This allows you to monitor the tractor maintenance is being performed and on time.

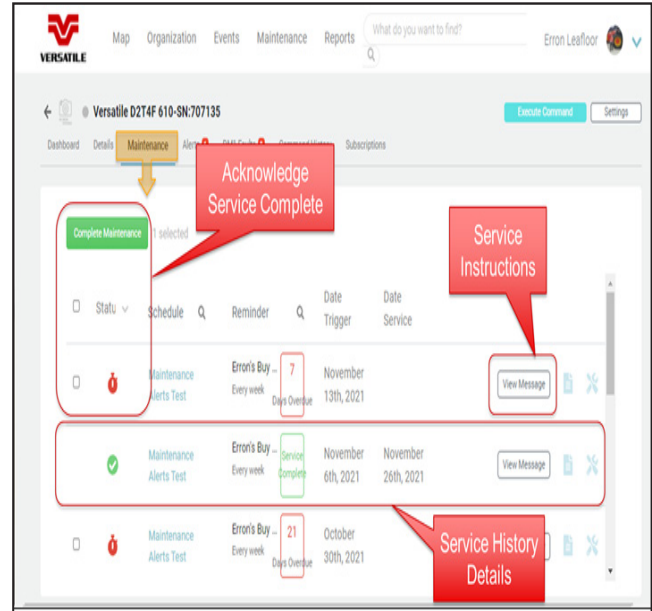


Figure 5-36 Dashboard - Maintenance



Figure 5-37 Fleet Maintenance Menu

Tractor Geofence Alert History

All geofences that have been created/assigned are listed under Organization - Geofence.

By clicking on a geofence, it reveals all the details about it , including the history of exits and entrances.



Figure 5-38 Organization - Geofence

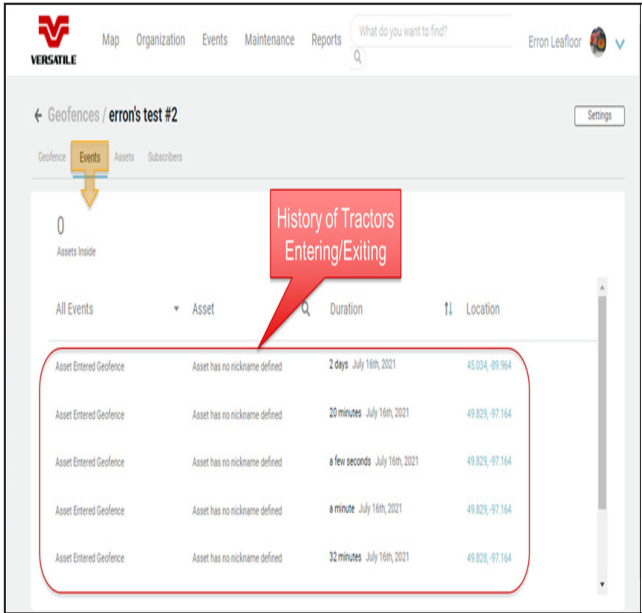


Figure 5-39 Events History - Entrances and Exits

Organization and Authorized User Data

Profile details can be updated through the link in the Help Menu.

Update employees information from the Organization-Users menu.

The organization information can be updated with the Edit button below the name in the left hand Organization Menu

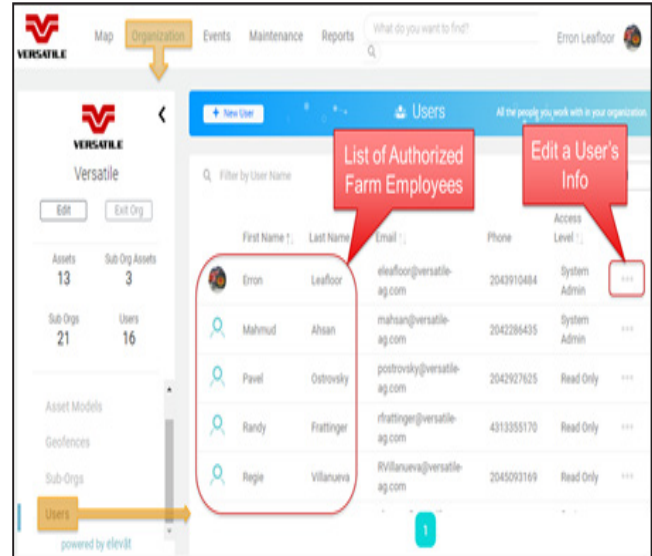


Figure 5-40 User List

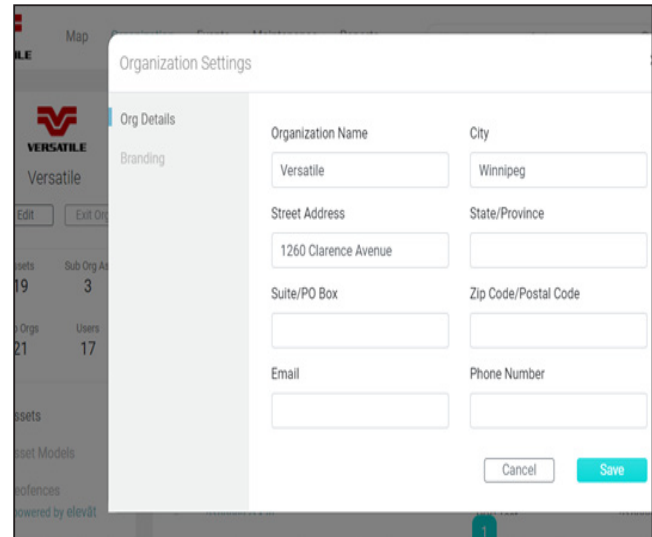


Figure 5-41 Organization Details

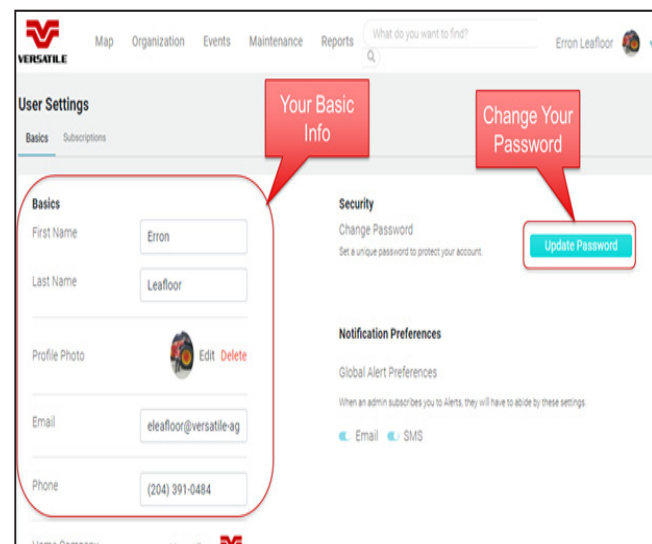


Figure 5-42 User Details

Using Telematics

How to Share Telematics Data

The tractor owner owns the data for their tractor.

Versatile commits to the following:

1. To keep data safe from unauthorized viewing
2. To not sell your data.
3. To use any data collected to support the owner and their operation.
4. Versatile will only share your data with companies that help us to deliver the services associated with telematics.

Through a list of users, the owner can control who has access to the data collected for their operation.

Any user that is authorized by the owner has access to all data and all equipment attached to the organization.

Dealers have the ability to see all faults, alerts and equipment statistics to support the owner efficiently.

The owner reserves the right to not share data result in the following::

1. Not sharing data means that telematics will no longer function.
2. Declining telematics service will disable the account assigned and all data collection will cease.

NOTE: Telematics subscription can be reactivated if within the warranty period. You must contact your Versatile Dealer or CBX Support to request telematics be activated for the equipment.

Authorizing Dealer

Dealers are capable of seeing all your telematics equipment or none of it, there are no other options at this time.

You will need to contact Versatile CBX customer service to disable or activate your dealer's ability to see your tractors data for diagnostic and troubleshooting support.

Changes to visibility of your equipment by a dealer may take up to 3 days to process.

Changing Dealer

Owners can change which dealership that they wish to have a tractor associated with.

There are two options to move one tractor to a different dealer:

1. Move all their tractors to the new dealer.
2. Create two separate telematics accounts with different UserIDs, one for each dealer.

Request for this change must come from the owner who shall:

- Email request to CBX Service.
- Contact the Versatile Territory Representative to discuss need for change.

NOTE: This change can only be performed by a Versatile CBX representative.

Creating a New User Profile

In order to share your data with another user, you must add them to the Organization.

Add a new authorized user as follows:

1. Click on the Organization tab (1) going to the Users Screen.
2. Select "Create New User".
3. Enter the new user's details and create a temporary password.
4. Email the new user their login credentials.

User Credential Levels

There are four levels of access that can be granted to a user:

1. Read Only (3) - For operators and trusted advisors who require access to details about the machine, but cannot make adjustments to the account.
2. Admin (4) - Has the ability to set up accounts and users as well as access credentials.
3. System Admin (5) - Highest level, reserved for developers and IT staff.
4. Manager - Full access to tools to manage the organization.

NOTE: Admins cannot create users with greater credentials that they have.

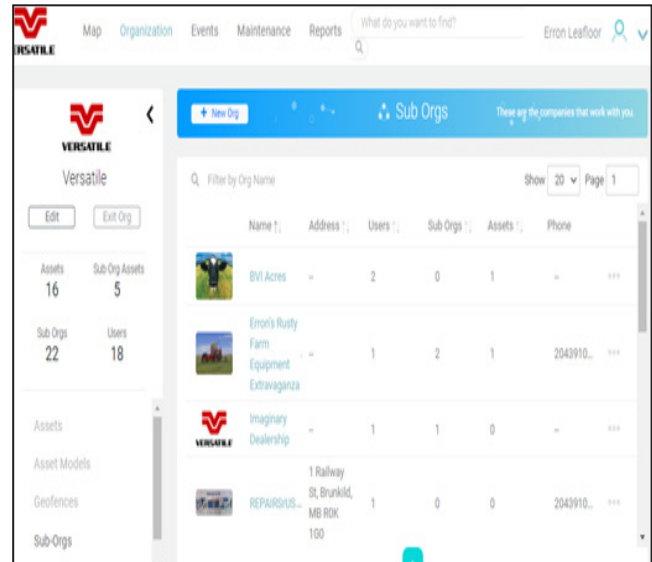


Figure 5-43 Dealer Details

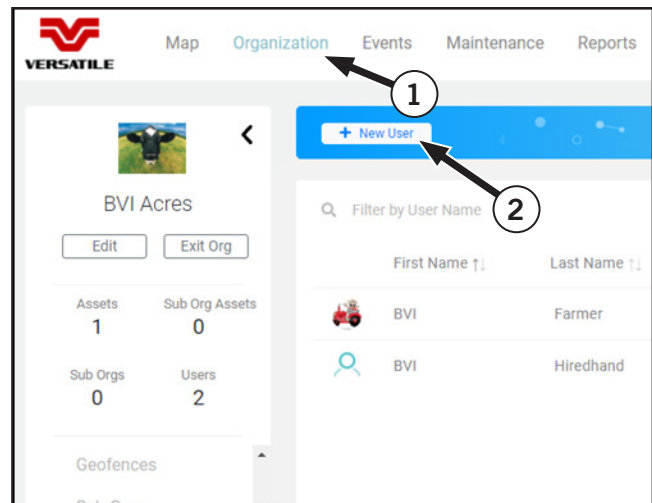


Figure 5-44 Adding User Details

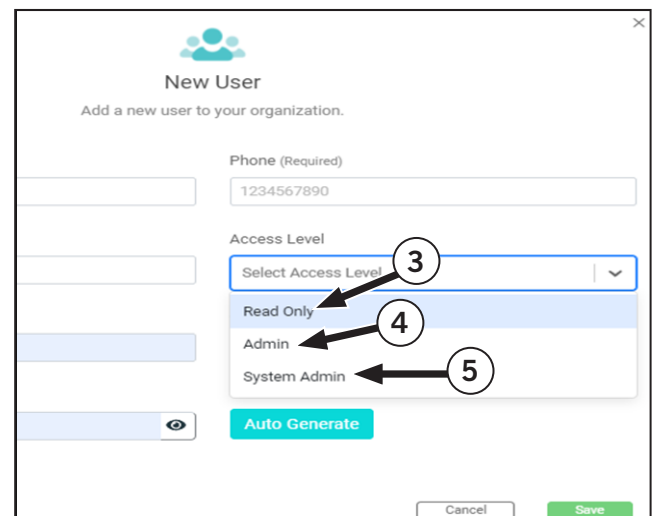


Figure 5-45 Credential Levels

How to Add Asset to Account

Every Versatile tractor built in 2022 and after are equipped with factory-installed telematics.

If you own a tractor built before this date, your Versatile Dealer may be able to install telematics hardware to enable you to add your older tractor to your fleet.

There is no limit to the number of assets you can track using telematics.

If you use Suborgs (1) it is possible to organize the equipment under other Organizations.

To see the assets below the Organization:

- Click on Include Ecosystem Assets in the Organization Asset table.
- Add filter for Suborg Assets on the Asset List on the Map view.

When the tractor is purchased, the Dealer will submit the Warranty Registration to Versatile. This will begin the setup process.

The tractor information will be added to the account and will be visible in Map, Organization and Assets menus.

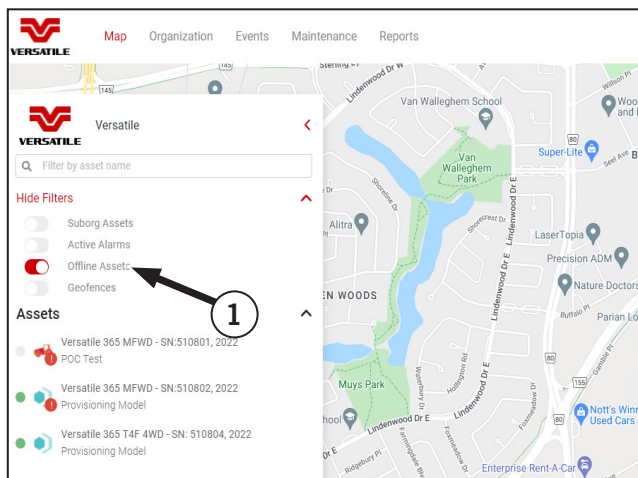


Figure 5-46 Suborg Assets

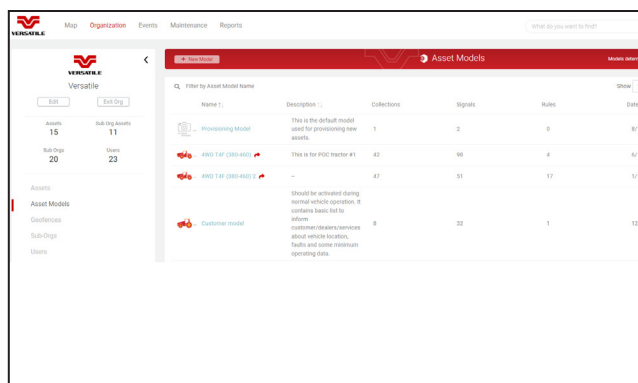


Figure 5-47 Adding Assets

How to Change Asset Name and Details

It is possible to change the name and details of any asset under your account:

NOTE: Do not edit the serial number or the Command and Control button.

- Name of the tractor/machine
- Tags (1) allow up to 20 different user defined pieces of information for any tractor.

Tractor Not Appearing on Portal?

Every tractor leaving Versatile is tested at the plant before being shipped.

Including connecting the telematics system to the network and checking that it is reporting tractor information correctly.

If tractor is not connecting to the telematics system correctly, check the following:

- Verify the telematics device diagnostic lights are indicating proper power and operating state.
- Verify that the GPS and Cellular antennas are connected properly and are working.
- Contact your dealer to ensure that the tractor has been set up in the Portal and has been assigned to your organization.
- Contact your dealer to verify that your subscription is current and up to date.

How to Set Notifications

You have the ability to set up the following notifications in the Portal:

- DM1 Faults

These alerts allow you to know when the tractor's electrical system notices an issue that appears in the cab simultaneously.

- Alerts (Telematics-generated messages)

The Telematics system has a set of notices that are pre-programmed to alert you of such issues as Low Fuel, Machine Running etc.

- Geofence entries/exits

Notifications when a machine enters or exits a defined area of the map.

- Maintenance Due

Scheduled maintenance alerts (based on engine hours).

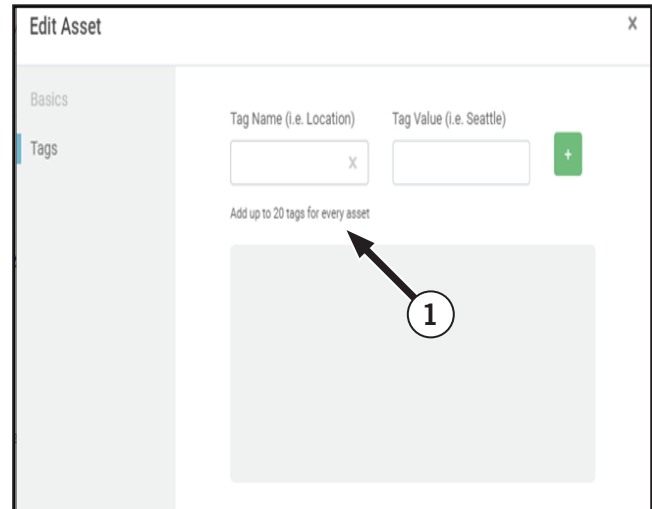


Figure 5-48 Non-Telematic Asset

How to Set Up Geofence

Geofences are used for tracking two types of specific equipment events:

- Machine entering the defined area.
- Machine exiting the defined area.

NOTE: Two rules must be created to track both entry and exit from designated area.

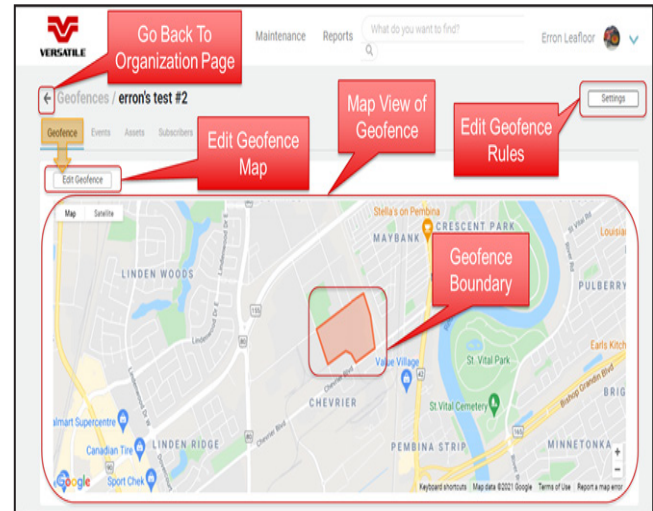


Figure 5-49 Geofence Screen

Set up Geofence alert area as follows:

1. Select +Geofence (2) in the Organization tab (1).
2. Assign Geofence name (3), the color it will appear as on the map and alert for exit or entry (4) for the Geofence alarm. Click Next (5).

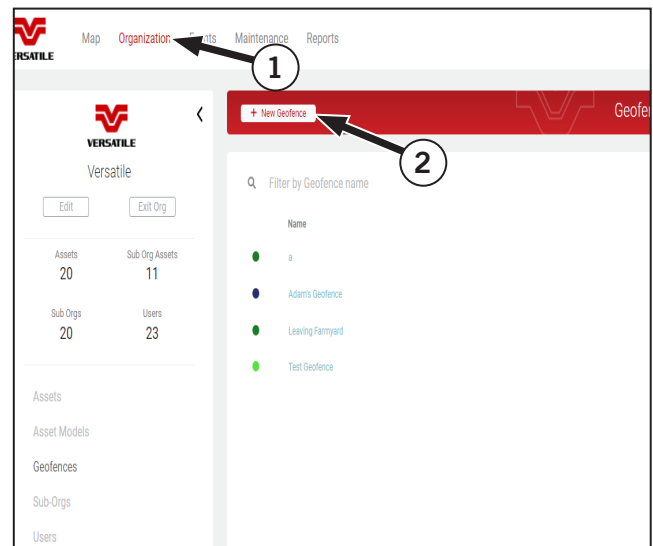


Figure 5-50 Add New Geofence

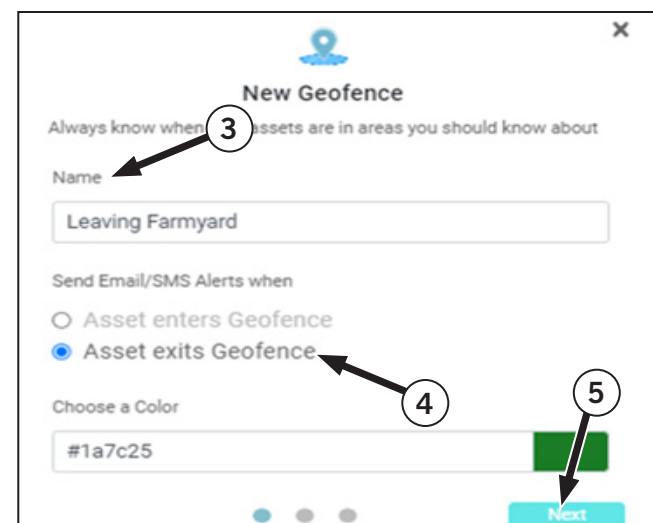


Figure 5-51 Name Geofence

- Google Map appears for new geofence. Choose a drawing tool (1) and click a point on the map to place the new geofence (2). Click Create (3).

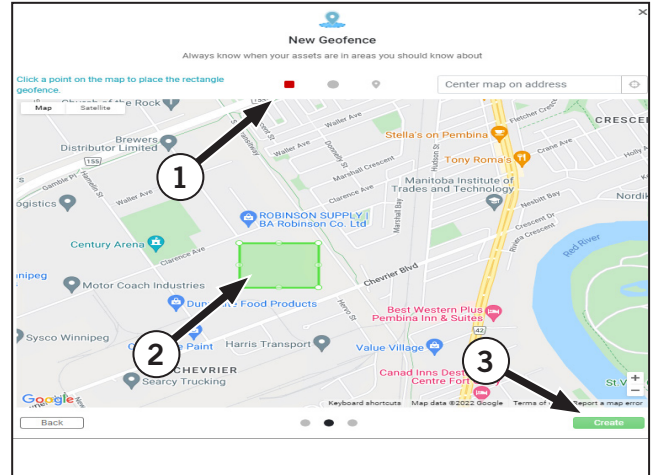


Figure 5-52 Set Geofence

- Select the organization (4) and add the asset(s) to report on the geofence. Click Finish (5).

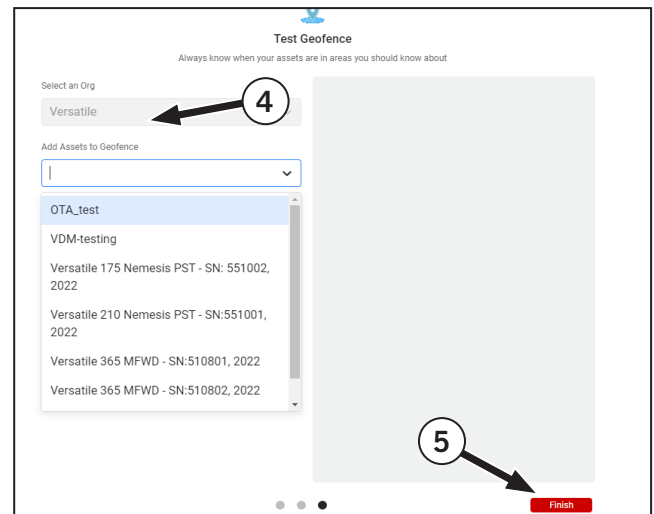


Figure 5-53 Assign Org and Asset to Geofence

- Once saved, define the user (6) that will receive alert messages and how.

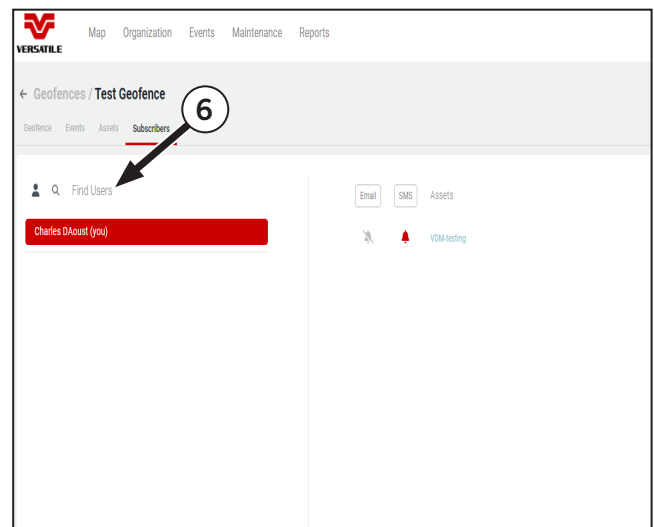


Figure 5-54 New Geofence Information

How to Track Asset Maintenance

Maintenance events can be accessed through the Portal.

Upcoming and past due maintenance list can be accessed from two locations:

- Click on Maintenance (1) then Dashboard (2) on the top Menu Bar.
- Click on the Maintenance tab (4) while viewing a Tractor's Dashboard.

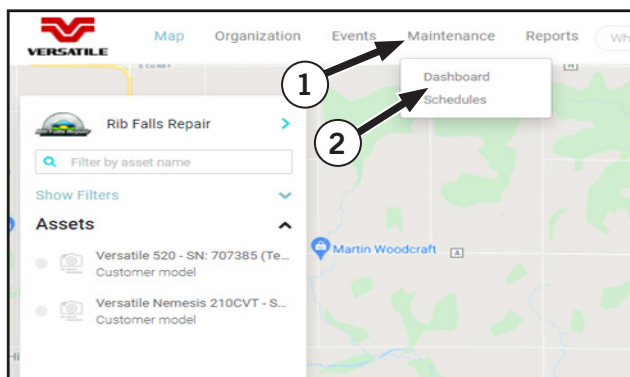


Figure 5-56 Getting to Maintenance Dashboard

The Maintenance dashboard provides the following:

- Assets (3) selected that are being tracked.
- Each machine and the fleet's overall status for upcoming and past due maintenance tasks.
- A link to each individual machine's maintenance screen.

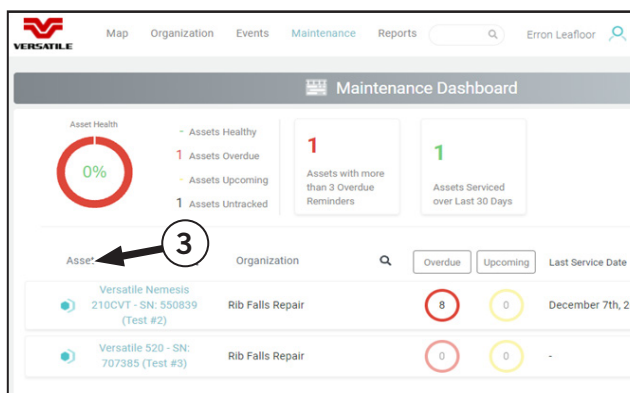


Figure 5-57 Maintenance Dashboard

The individual tractor maintenance dashboard details include:

- List of all maintenance due and performed.
- Maintenance due dates and dates completed.
- Instruction pop-up.
- May link to specific instructions where applicable (see figure 5-59).

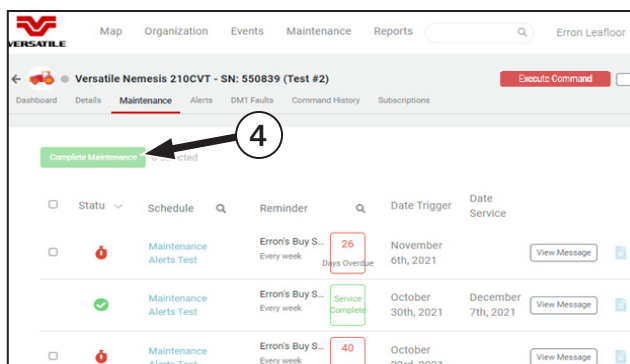


Figure 5-58 Individual Asset Maintenance Screen

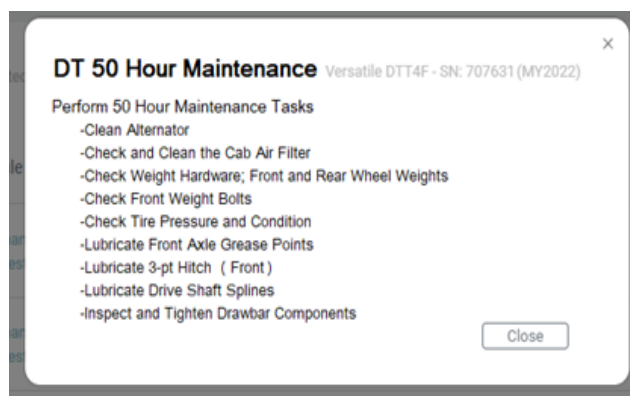


Figure 5-59 Detailed Maintenance List

How to View and Manage Alerts and Faults

An active alarm associated with an asset will display as follows:

- Map View pin will turn orange with an exclamation mark (2).
- List View will show an exclamation mark (1) overlaid on the tractor icon.
- When viewing a Tractor Dashboard, you will see the alarm count in a red box beside the Alerts (3) and DM1 Faults (4) on the menu bar tabs.

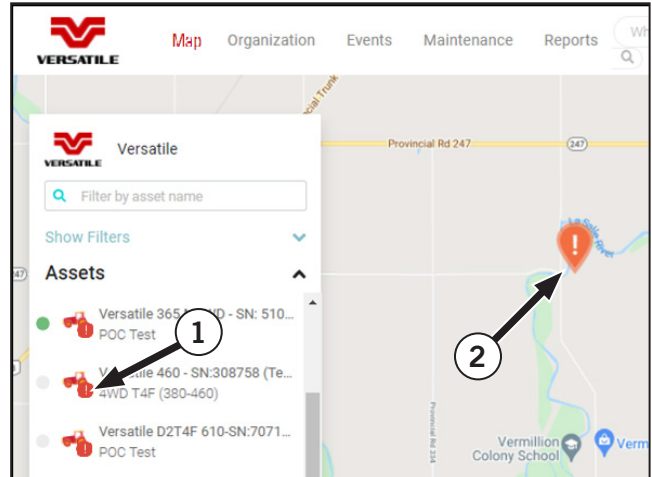


Figure 5-60 Alert on Map and List View

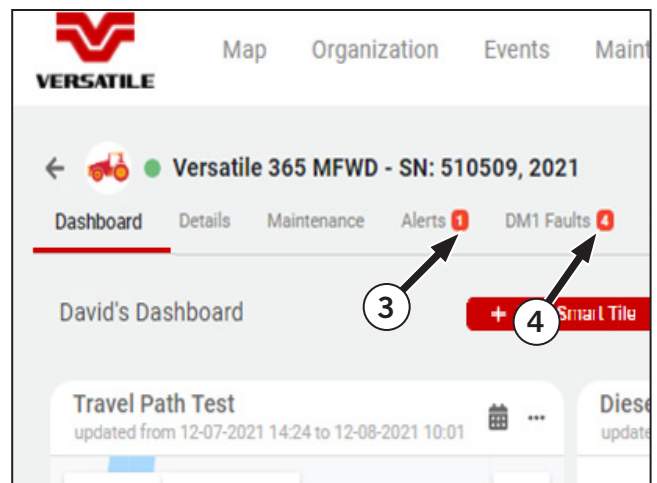


Figure 5-61 Alert on Tractor Dashboard

How to Setup Messages from Service Alarms

There are four categories of messages in telematics:

- Alerts (set tractor-by-tractor)
- DM1 Faults (set tractor-by-tractor)
- Geofence barrier breaks (set for each Geofence)
- Maintenance due (set tractor-by-tractor)

There are three options for receiving messages from alerts:

- No automated messages (7)
- Email notifications (5)
- SMS (Text) notifications (6).

Click user settings that apply. Click icon to choose to turn on or off notifications.

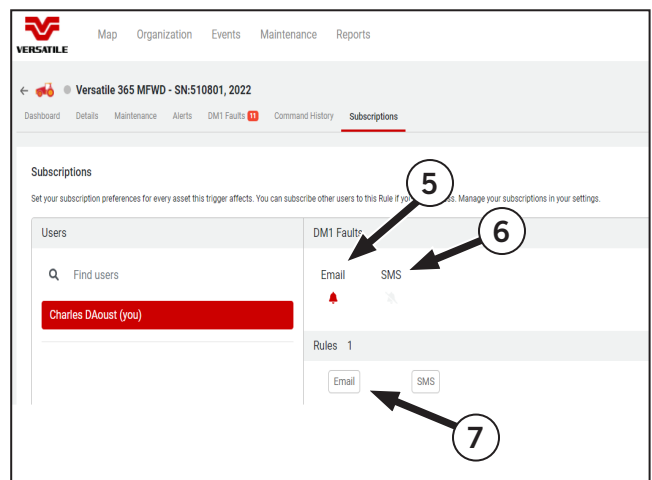


Figure 5-62 Individual Asset Maintenance List

Section 6: Service and Privacy Agreements – Contents

Service and Privacy Agreements6-3
Telematics Terms of Service6-3
Telematics Privacy Statement6-14

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SERVICE AND PRIVACY AGREEMENTS

Telematics Terms of Service

Buhler Versatile Inc. Telematics Terms of Service

Introduction

This Telematics Terms of Service Agreement (this “Agreement”) governs your access to and use of the telematics products and services that are provided by Buhler Versatile Inc. and our Affiliates (collectively, “Buhler Versatile”), from time to time (collectively referred to as the “Telematics Services”).

As used in this Agreement, “we” and “us” refers to Buhler Versatile, and “you” and “your” refers to the user of the Telematics Services. The effective date of this Agreement is when you accept it, in accordance with the terms and conditions that are set out below. “Affiliate” has the meaning given to that term by The Corporations Act (Manitoba).

IMPORTANT! YOUR ACCESS TO OUR WEBSITE AND THE TELEMATICS SERVICES IS SUBJECT TO LEGALLY BINDING TERMS AND CONDITIONS. CAREFULLY READ ALL OF THE FOLLOWING TERMS AND CONDITIONS BEFORE YOU PROCEED. ACCESSING AND USING OUR WEBSITE AND THE TELEMATICS SERVICES IS THE EQUIVALENT OF YOUR SIGNATURE AND INDICATES YOUR ACCEPTANCE OF THESE TERMS AND CONDITIONS AND THAT YOU INTEND TO BE LEGALLY BOUND BY THEM. IF YOU DO NOT AGREE WITH THESE TERMS AND CONDITIONS, DO NOT USE OUR WEBSITE AND/OR THE TELEMATICS SERVICES.

You can view, print, download or save this Agreement at any time, under the “Terms of Service” link that appears on our website.

Telematics Services Usage Terms And Conditions

Subscription: The Telematics Services are a subscription service that uses software and/or firmware which is used in, installed on, provided with or embedded in equipment (the “Equipment”) supplied by Buhler Versatile, to provide information about the operation of your Equipment. We use the Telematics Services to help us provide products and services to you, including supporting and servicing the Equipment, and to further our research and development activities for our products and services. We may offer dashboards and other interfaces which allow you to access data collected and used by the Telematics Services (“Data”), to help you better understand and use your Equipment and your farming operation more generally.

Subscription Term: Access to the Telematics Services is based on a subscription model (each, a “Subscription”). Depending on your plan, you will receive access to the Telematics Services for a set period of time (e.g., monthly, annually or throughout the duration of your ownership of the Equipment, subject in all cases to earlier termination as set out in this Agreement), after which your access to the Telematics Services will cease, unless you renew your Subscription in accordance with the terms and conditions which are then in effect and applicable to you.

Right to Access: Subject to the terms hereof, we grant you a limited, non-exclusive, non-transferable right to access the Telematics Services and the content displayed or accessed by, through or in the Telematics Services, during the term of your Subscription, solely for reasonable purposes related to your internal business operations. No other right, interest or licence is granted to you. The features available to you will depend on your plan. We may change features from time to time.

Plan Types: We may offer free and paid Subscriptions to the Telematics Services. Advertised prices and features may change. Please consult our website or your authorized Versatile dealer for our current plans.

Fees: You must pay all fees (plus any applicable taxes) during your Subscription period and any renewal periods. If any applicable fees change, such change will take effect on the next regularly scheduled billing period, for your Subscription.

Free Trials and Discounts: We may offer free-trial or discounted Subscriptions. When a free-trial period or discount period ends, you must upgrade to a paid plan in order to continue using the Telematics Services. We reserve the right to determine your eligibility for, and the length of, your free trial or discounted Subscription, in our sole discretion.

Refund Policy: All Subscription fees are non-refundable. We will not provide refunds or credits for any partial Subscription periods or unused aspects of the Telematics Services. If you cancel your Subscription, you will not be refunded or credited any portion of your last paid Subscription fee.

Renewal: The renewal terms of your Subscription will depend on the terms and conditions of your plan. You can contact your authorized Versatile dealer or us at cbxinfo@versatile-ag.com for more information about renewal terms, including any applicable payment terms and conditions.

Non-Transferrable: Your Subscription and your rights thereunder may not be transferred without our written consent, which we may withhold in our sole discretion.

Cancellation: Contact us at cbxinfo@versatile-ag.com or your authorized Versatile dealer for information about how and when you may cancel your Subscription. Unless we agree otherwise in writing, no refund will be issued for any time remaining in your current Subscription period and you will lose access to Data that was generated under your Subscription when your payments end.

If you want to restrict our access to Data or otherwise withdraw your consent to the collection of your personal information, in accordance with the terms of our Privacy Statement, you must cancel the Telematics Service and request that we delete the Data in your Account. We will continue to have access to Data collected by the Telematics Service before you restrict our access to it or terminate this Agreement and we will retain Data that does not identify you, as outlined above. Please be advised that restricting our Access to Data will prevent you from receiving remote machine diagnostics, remote machine servicing or other services from us.

If you breach this Agreement, we may, at our option:

- Terminate your access to the Telematics Services immediately, with or without advance written notice.
- Suspend, delete, or limit access to your account or any Data within it.
- To the extent permitted by applicable law, retain any amounts payable to you (which you forfeit).

If we delete your account for a breach of this Agreement, you may not re-register without our written permission, which we may withhold in our sole discretion. Upon any expiration or termination of this Agreement, except as expressly otherwise provided in this Agreement:

- You shall cease all use of any Telematics Services. This means you will lose access to any Data which you may have saved in your account, as and if permitted by the Telematics Services.
- We may disable your access to the Telematics Services.
- All payments that are due to us as of the effective date of termination of this Agreement shall remain due and owing, by you.

Payment Terms: Any payments made in connection with your purchase of a Subscription are arranged through your authorized Versatile dealer. Please check with your authorized Versatile dealer for additional payment terms and conditions which may apply. Your access to the Telematics Services will not begin until we have received the payments which apply to your Subscription (if any).

Support: Your authorized Versatile dealer may offer support for components which form part of your use of the Telematics Services. Any such support will be subject to separate terms and conditions which are set by your authorized Versatile dealer. We are under no obligation to provide support for your use of the Telematics Services. Further, support and the proper functioning of the Telematics Services are conditional upon your adherence to documentation and instructions we make available from time to time, as well as the terms and conditions of this Agreement.

No Resale Rights: Subscriptions may not be resold. Telematics Services access must be purchased and maintained by the original customer, and Subscriptions cannot be distributed, transferred, or resold to another user, except as expressly permitted by this Agreement. Buhler Versatile reserves the right to terminate accounts that are in violation of these terms, which may include directly contacting customers who were sold unauthorized Subscription services, termination of accounts, and revoking Subscriptions without a refund.

Import and Export Compliance. All system hardware, firmware, software, proprietary data, know-how, or other data or information (collectively, “Products”) obtained from Buhler Versatile may be subject to the import or export control laws of one or more countries. As such, their import, export, re-export, and transfer may be restricted or prohibited. You will comply with all such laws and not directly or indirectly import, export, re-export, transfer, or cause to be imported, exported, re-exported, or transferred, any Products to any destination, entity, or persons prohibited or restricted under any law, unless you have first obtained the prior written consent of Buhler Versatile and any applicable governmental entity, either in writing or as provided by applicable law, as amended from time to time.

Consent to Communication: You may consent to receiving short message service (“SMS”) messages and email messages, through the Telematics Services. If you choose to receive this communication, you will provide information only for accounts and devices for which you are an authorized user. You are responsible for any applicable data charges you incur in connection with this communication.

Revisions to Terms: Your access to and functionality of the Telematics Services, Subscriptions and the terms and conditions of this Agreement are subject to change without notice, including but not limited to Subscription program cancelation, removal of features from the Telematics Services and fee changes.

General Terms And Conditions

Accounts and User Interaction: In order to access and use some of the Telematics Services, you must sign up and create an account (the “Account”). This requires you to submit certain information, including your name, email address and a password. You are solely responsible for maintaining the confidentiality of your password and all activities that occur under your Account (even if another person has undertaken the activity, you are deemed to be responsible for the purposes of this Agreement, including, without limitation, its indemnification obligations). Therefore, you should protect your password and make your password difficult for others to guess, and exercise care in allowing access to your Equipment. When you register, you agree to provide accurate, current, and complete information about yourself and update it as necessary. You will not use another person’s Account.

We reserve the right to refuse registration of Accounts, or to cancel any existing Accounts, that we deem to be inappropriate, in our sole discretion. If you use the Telematics Services, you are solely responsible for maintaining the confidentiality of your Account and password, and you agree to accept responsibility for all activity that occurs under your Account. We are not responsible for updating your Account. When you provide information to us, you represent and warrant that you have legal authority to do so. In particular, you represent and warrant that: you are entitled to submit the information to us; the information is accurate; and the information is not confidential, in violation of any contractual restrictions or third party rights.

Consent to Electronic Communication: When you visit our website, use the Telematics Services or send email to us, you are communicating with us electronically. You consent to receive communications from us electronically. We will communicate with you by email or by posting notices on our website. You agree that all agreements, notices, disclosures and other communications that we provide to you electronically satisfy any legal requirement that such communications be in writing. An Agreement entered into as contemplated above shall be deemed to have the same legal effect as delivery of an original signed copy of this Agreement.

Modification to the Telematics Services and this Agreement: We reserve the right to restrict, suspend, revoke or terminate or otherwise change any aspect of the Telematics Services for any reason whatsoever. We may modify all or one or more parts of this Agreement at any time. We may provide notice to you of such revisions by means of a general notice on our website. Your continued use of the Telematics Services after such revisions are posted will signify your agreement to these revised terms. Therefore, you should visit this page periodically to review this Agreement.

Ownership of Content: For the purposes of this Agreement, “Intellectual Property Rights” means all industrial and intellectual property rights throughout the world including all copyright right and analogous rights, rights in relation to inventions or discoveries, including patent rights, designs, circuit layouts, trade names, brand names and registered and unregistered trademarks, including service marks and moral rights.

All materials related to the Telematics Services, including, without limitation, software, images, text, graphics, illustrations, logos, patents, trademarks, service marks, copyrights, photographs, audio, videos, music, and information belonging to other users (the “Content”), and all Intellectual Property Rights related thereto, are now and will remain the exclusive property of us and our licensors.

Except as expressly provided herein, nothing in this Agreement shall be deemed to create a licence in the Content or under any Intellectual Property Rights. You agree not to sell, licence, provide access to, rent, modify, distribute, copy, reproduce, transmit, publicly display, publicly perform, publish, adapt, edit or create derivative works from any Content or the Telematics Services more generally. Use of the Content and the Telematics Services for any purpose not expressly permitted by this Agreement is strictly prohibited.

You retain ownership in and to materials you submit to us, including, without limitation, Data generated from your device (collectively, “Your Content”), but you agree to grant us a royalty-free, sub-licensable, irrevocable licence to use Your Content, as we see fit, in our sole discretion, for the purpose of providing the Telematics Services and in connection with any sale of Buhler Versatile in whole or in part, including the assets thereof (provided that in the event of any such sale, we will provide notice to you prior to the transfer of Your Content). We reserve the right to disclose Your Content, at any time, as is required to comply with applicable laws, and the right to remove any of Your Content that is in violation of the terms and conditions of this Agreement. You also agree that any rights you assert in and to Your Content will be subject to standards of commercial reasonableness. You represent and agree that you will not post or provide to or through our website or the Telematics Services, any trade secrets, confidential information, intellectual property and other proprietary information of any other person, without authorization from such other people, or any obscene or defamatory content. Your Content (and our use thereof in accordance with this Agreement) shall not knowingly infringe the Intellectual Property Rights, including copyright, patents, trade-marks or trade secrets, of any third party. You hereby indemnify and hold harmless, us and our owners, subsidiaries, Affiliates, representatives, agents, licensors or their respective heirs, administrators, executors, successors and assigns (as the case may be) (collectively, “Others”), from any and all liability or loss, including reasonable counsel fees, which we suffer in connection with any claim or action by reason of a breach of the foregoing representations and warranties.

Despite anything else in this Agreement, Your Content and Data will not include any information, data or other content that is: (i) aggregated or otherwise unable to identify you or anyone else as the persons about which such information, data or other content relates; or (ii) derived by or through the Telematics Services from processing Your Content and Data and is sufficiently different from such Your Content and Data that Your Content and Data cannot be reverse engineered or otherwise identified from the inspection, analysis or further processing of such information, data or content. This information, data or other content will be deemed to be Content which is our exclusive property and which can be used, retained and disclosed by us, in our sole discretion, including, without limitation, in connection with any sale of Buhler Versatile in whole or in part, including the assets thereof.

Trademarks: Certain words, phrases, names, designs or logos on our website may constitute trademarks, services marks, or trade names that are owned by us or others. The display of such marks on the Telematics Services does not imply that you have been granted a licence by us or others with respect to them.

Complaints: If you believe in good faith that any material that is made available on or through the Telematics Services infringes your copyright, or if you have any other complaints about your use of the Telematics Services, please contact us here. You can also contact us if another user provides content or otherwise uses the Telematics Services in a way that you find objectionable. While we are not responsible for how others use the Telematics Services, we will make commercially reasonable efforts to make your use of the Telematics Services enjoyable.

Acceptable Uses of the Telematics Services: While you use the Telematics Services, you must comply with all applicable laws, rules and regulations, as well as this Agreement and our Privacy Statement. In addition, your use of the Telematics Services is based on the following rules of conduct. You will not:

- Post, transmit, or otherwise make available any material that is or may be (a) threatening, harassing, degrading, hateful, or intimidating; (b) defamatory; (c) fraudulent or tortious; (d) obscene, indecent, pornographic, or otherwise objectionable; or (e) an infringement of another person's privacy by disclosing the personal information of another individual without their knowledge and consent.
- Post, transmit, or otherwise make available any material that may violate the proprietary rights of any third party, including, without limitation, copyrighted software, photographs, texts, videos or artwork or any moral rights associated therewith.
- Use the Telematics Services in a manner which will violate or solicit the violation of any applicable local, provincial, territorial, state, national or international law, rule or regulation, including, without limitation, applicable privacy laws the statute known as An Act to promote the efficiency and adaptability of the Canadian economy by regulating certain activities that discourage reliance on electronic means of carrying out commercial activities, and to amend the Canadian Radio-television and Telecommunications Commission Act, the Competition Act, the Personal Information Protection and Electronic Documents Act and the Telecommunications Act (Canada).
- Use the Telematics Services to post transmit, or otherwise make available any material which would: (a) give rise to criminal or civil liability; (b) encourage conduct that constitutes a criminal offence; or (c) encourage or provide instructional information about illegal activities.
- Impersonate any person or entity, including, but not limited to, any of our representatives; falsely state or otherwise misrepresent your affiliation with any person or entity; or express or imply that we endorse any statement you make without our prior written consent.
- Post, transmit, or otherwise make available any virus, worm, trojan horse, spyware, or any other computer code, file, or program that may, or is intended to, damage or hijack the operation of any hardware, software, server or telecommunications equipment.
- Interfere with or disrupt the Telematics Services, including, but not limited to, circumventing or otherwise defeating security measures related to the Telematics Services.
- Use the Telematics Services in any manner to harass, abuse, stalk, threaten, defame or otherwise infringe or violate the rights of any other party.
- Post, transmit, or otherwise make available any unsolicited or unauthorized advertising, promotional materials, "junk mail," "spam," "chain letters," "pyramid schemes," investment opportunity, or any other form of solicitation.
- Use the Telematics Services, if you are under 13 years of age, in violation of this Agreement or for commercial purposes.

Any person who is found or reasonably suspected to have violated the rules of conduct provided above may be barred from using the Telematics Services, in our sole discretion, and may be subject to other legal remedies.

Other Terms and Conditions: When you access and use the Telematics Services, you (i) consent to us using your payment details in accordance with our Privacy Statement, (ii) accept the terms and conditions of any applicable support policies, and (iii) acknowledge that any violation of these terms may result in the immediate termination of your Account and Subscription services without notice or refund. Your access to and use of the Telematics Services may be subject to other terms and conditions described on our website or through the Telematics Services from time to time.

Practices Regarding Use And Storage

Storage or Deletion of Content: You agree that we have no responsibility or liability for the deletion of, or the failure to store or to transmit, any information maintained by us (including, without limitation, the Data). Upon termination of this Agreement, unless otherwise required by applicable law, we may permanently delete the information and data under your Account, and you or a later purchaser of your Equipment will no longer be able to access that information and data.

Limits on Storage: We retain the right to create limits on use and storage, at our sole discretion, at any time, with or without notice.

Our Access to Stored Content: We also reserve the right to access, read, preserve, and disclose any information as we reasonably believe is necessary to: (a) satisfy any applicable law, regulation, legal process or governmental request; (b) enforce this Agreement, including investigation of potential violations hereof; (c) detect, prevent, or otherwise address fraud, security or technical issues; (d) respond to user support requests; or (e) protect our rights, property or safety, our users or the public. We will not be responsible or liable for the exercise or non-exercise of our rights under this Agreement.

No Warranty

NO WARRANTY: WITH RESPECT TO THE TELEMATICS SERVICES, WE DO NOT MAKE OR GIVE ANY REPRESENTATION, WARRANTY OR CONDITION OF ANY KIND, WHETHER EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES AS TO UNINTERRUPTED OR ERROR FREE TRANSACTIONS, PRIVACY, SECURITY, MERCHANTABILITY, QUALITY, TITLE, ACCURACY, NON-INFRINGEMENT OR FITNESS FOR A PARTICULAR PURPOSE, OR THOSE ARISING OUT OF A COURSE OF DEALING OR USAGE OF TRADE. Your Equipment and components which form part of the Equipment and are part of the functioning of the Telematics Services ("Components") may be subject to separate warranties. The availability of these warranties is dictated by the terms and conditions of separate agreements and you should be aware that in some instances, Components may not have warranty coverage.

Use at Your Own Risk: Access to the Telematics Services is provided "as is" and without warranties of any kind, either express or implied. By accessing and using the Telematics Services, you acknowledge and agree that it is entirely at your own risk. We are not responsible for your reliance on the Telematics Services. While we try to keep the Telematics Services available without interruption, we are not responsible for ensuring the Telematics Services are available (on a timely basis or at all) or that they will convey information to anyone, on your behalf. If your use of the Telematics Services or the Content results in the need for servicing or replacement of equipment or data (including, without limitation, the Equipment or the Data), Buhler Versatile and its Affiliates are not responsible for those costs. The Telematics Services include content provided by third parties, including from third-party licensors. All statements and/or opinions expressed in any such third-party content (including but not limited to, user submissions and forum postings), other than the content provided by us, are solely the opinions and the responsibility of the person or entity providing those materials. Such materials do not necessarily reflect our opinion. Neither us nor our subsidiaries, Affiliates, and their respective directors, officers, employees, agents, service providers, contractors, licensors, licensees, suppliers, successors or assigns, have any responsibility or liability whatsoever to you, or any third party, for the content or accuracy of any third-party materials.

Data Security: If you upload or transmit confidential, personal information, trade secrets, or other sensitive or restricted content on our website or through the Telematics Services, you are solely responsible for implementing safeguards beyond the security measures provided by us. You acknowledge that, subject to our compliance with the terms of this Agreement, you upload or transmit this information at your own risk. WE DO NOT WARRANT THAT THE TELEMATICS SERVICES WILL OPERATE ERROR-FREE OR THAT THE TELEMATICS SERVICES ARE FREE OF COMPUTER VIRUSES OR OTHER HARMFUL MECHANISMS. YOU UNDERSTAND AND AGREE THAT YOU DOWNLOAD OR OTHERWISE OBTAIN MATERIAL OR DATA THROUGH THE USE OF THE TELEMATICS SERVICES AT YOUR OWN DISCRETION AND RISK, AND THAT YOU WILL BE SOLELY RESPONSIBLE FOR ANY DAMAGES TO YOUR COMPUTER SYSTEM OR LOSS OF DATA THAT RESULTS FROM THE DOWNLOAD OF SUCH MATERIAL OR DATA.

Third Party Components, Links and Information: Our website and other aspects of the Telematics Services may contain third party components and links to third-party websites, advertisers, services, special offers, or other events or activities that are not owned or controlled by us. We do not endorse or assume any responsibility for any such third-party sites, information, materials, products, or services. If you access a third-party website or use a third party component from our website or through the Telematics Services, you do so at your own risk, and you understand that neither this Agreement or our Privacy Statement applies to your interaction with third parties in connection with such sites, advertisements, services, special offers, events, activities or materials.

We are not responsible for any materials or information on the website, any linked website or which is otherwise made available through the Telematics Services, that you may find offensive, undesirable or objectionable. Further, we specifically disclaim any responsibility or liability for the accuracy, completeness, correctness, timeliness or usefulness of third party information or components. You expressly indemnify us from any and all liability arising from your use of any such third-party website, service, content or components.

You acknowledge and agree that any components and services which form part of the Telematics Services and which are offered by third parties may be provided under separate agreements, to be entered into directly by you and such third parties. We are not a party to the relationship between you and any third party, and as such, we have no responsibility to you as regards your use of any such third party services. You agree that you will have no recourse or remedy against us in respect of these matters, except as expressly set out in this Agreement.

Third Party use of Your Content: Be aware that information you provide to us will be made available to others, as disclosed in our Privacy Statement. We are not responsible for what others do with your content, once you post it on your Account and share it with another user.

Verification: We are not responsible for verifying your identity, the identity of anyone who uses your Account, or the identity or legitimacy of any other user, posting, resume, or profile.

Professional Advice: Any information made available through the Telematics Services is for informational purposes only and is not intended to be nor should it be construed as professional advice. Users should seek independent professional advice from a person who is licensed and/or qualified in the applicable area before relying on any information found on our website or through the Telematics Services.

Limitation Of Liability, Release And Indemnity

THIS SECTION LIMITS OUR LIABILITY TO YOU AND PROVIDES FOR A RELEASE AND AN INDEMNITY, FROM YOU, IN FAVOUR OF US. PLEASE READ IT CAREFULLY.

LIMITATION OF LIABILITY: UNDER NO CIRCUMSTANCES SHALL YOU BE ENTITLED TO RECOVER ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES FROM US, ARISING DIRECTLY OR INDIRECTLY FROM: (A) ANY BREACH OF THIS AGREEMENT, FUNDAMENTAL OR OTHERWISE; OR (B) ANY OF OUR NEGLIGENCE, ACTS OR OMISSIONS; OR (C) ANY PROVISION, DUTY OR REQUIREMENT OF ANY STATUTE; OR (D) THE CONDUCT, ONLINE OR OFFLINE, OF ANY USER OF THE TELEMATICS SERVICES; OR (E) LOST DATA, BUSINESS INTERRUPTION OR BREACH OF SECURITY; OR (F) ANY DUTY AT LAW OR IN EQUITY. UNDER NO CIRCUMSTANCES SHALL OUR LIABILITY TO YOU FOR DIRECT DAMAGES YOU SUFFER ARISING OUT OF, RELATED TO OR CAUSED BY THIS AGREEMENT OR YOUR USE OF OUR WEBSITE OR THE TELEMATICS SERVICES EXCEED THE FEES YOU PAID TO US FOR YOUR USE OF THE TELEMATICS SERVICES DURING THE TWELVE (12) MONTHS' PERIOD PRECEDING THE LOSS. YOU ACKNOWLEDGE THAT THESE LIMITATIONS OF LIABILITY CONTAINED IN THIS SECTION REFLECT THE ALLOCATION OF RISK SET FORTH IN THIS AGREEMENT AND THAT WE WOULD NOT ENTER INTO THIS AGREEMENT WITHOUT THESE LIMITATIONS OF LIABILITY.

RELEASE: EXCEPT AS SET OUT HEREIN, YOU AGREE TO RELEASE, REMISE, ACQUIT AND DISCHARGE US FROM ANY CLAIMS, ACTIONS, DEMANDS, COSTS AND EXPENSES OF ANY KIND WHATSOEVER, WHETHER IN CONTRACT, NEGLIGENCE OR TORT, AT LAW OR IN EQUITY, OR BY STATUTE OR OTHERWISE, HOWSOEVER CAUSED, WITH RESPECT TO YOUR USE OF, OR OUR OPERATION OF, OUR WEBSITE AND THE TELEMATICS SERVICES.

INDEMNITY: YOU AGREE TO INDEMNIFY, SAVE AND HOLD US HARMLESS FROM AND AGAINST ANY CLAIMS, ACTIONS, DEMANDS, JUDGMENTS, AWARDS, DECLARATIONS, ORDERS, SETTLEMENTS, DAMAGES (INCLUDING GENERAL, SPECIAL, PUNITIVE, AGGRAVATED OR EXEMPLARY DAMAGES), LIABILITIES, LOSSES, COSTS, CHARGES, INTEREST AND EXPENSES, OR PROCEEDINGS OF ANY KIND WHATSOEVER WHICH MAY BE INITIATED OR PRESENTED BY ANY OTHER PERSONS, INDIVIDUALS OR OTHER LEGAL ENTITIES, AND WHICH ARISE DIRECTLY OR INDIRECTLY FROM YOUR USE OF OUR WEBSITE AND THE TELEMATICS SERVICES. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, YOU HEREBY AGREE TO PAY ALL COSTS, FEES AND EXPENSES, ON A SOLICITOR AND OWN CLIENT BASIS, WHICH MAY BE INCURRED BY US, RELATING TO YOUR USE OF OUR WEBSITE AND THE TELEMATICS SERVICES.

SINCE SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF CERTAIN TYPES OF WARRANTIES, DAMAGES OR LIABILITY, SOME OR ALL OF THE EXCLUSIONS AND LIMITATIONS IN THIS AGREEMENT MAY NOT APPLY TO YOU.

FOR THE PURPOSE OF THIS SECTION, THE TERMS "WE", "US" AND "OUR" SHALL INCLUDE OUR AFFILIATES AND OURS AND OUR AFFILIATES' RESPECTIVE DIRECTORS, OFFICERS, SHAREHOLDERS, EMPLOYEES, AGENTS, SERVICE PROVIDERS, CONTRACTORS, LICENSORS, SUPPLIERS, SUCCESSORS AND ASSIGNS.

Conflict Of Laws

Law and Venue: The law that will apply in any dispute or lawsuit arising out of or in connection with the Telematics Services, and which arbitrators or courts (as the case may be) have jurisdiction over any such dispute or lawsuit, depend on where you are domiciled:

Domicile	Governing Law	Venue
Canada	Province of Manitoba	Winnipeg, Manitoba
United States	State of Minnesota	Minneapolis/St. Paul, Minnesota

This Agreement, and any disputes arising out of or related to this Agreement, will be governed by the laws of the jurisdiction noted above and shall be treated in all respects as a contract from that jurisdiction, without reference to the principles of conflicts of law or the United Nations Convention on the International Sale of Goods. Each party hereby consents and submits to the exclusive jurisdiction of the arbitrators or courts (as the case may be) in such venue. You agree that our website shall be deemed a passive website which shall not give rise to personal jurisdiction over Buhler Versatile, either specific or general, in other jurisdictions.

Dispute: In consideration for your right to access and use the Telematics Services, you agree that: (i) you will contact us directly and give us the opportunity to try to resolve any and all disputes before you take any action in court, or otherwise; (ii) any and all disputes, claims and causes of action arising out of or connected with the Telematics Services shall be resolved individually, without resort to any form of class action; (iii) any and all claims, judgments and awards shall not include legal fees; and (iv) to the extent permitted by law, under no circumstances will you be permitted to obtain awards for, and you hereby waive all rights to claim punitive, incidental and consequential damages and any other damages other than for actual out-of-pocket expenses, and any and all rights to have damages multiplied or otherwise increased.

YOU AGREE THAT THE SOLE AND EXCLUSIVE FORUM AND REMEDY FOR ANY AND ALL DISPUTES AND CLAIMS THAT CANNOT BE RESOLVED INFORMALLY AND THAT RELATE IN ANY WAY TO OR ARISE OUT OF THE TELEMATICS SERVICES, SHALL BE FINAL AND BINDING ARBITRATION, except to the extent that you have in any manner infringed upon or violated or threatened to infringe upon or violate any Intellectual Property Right of Buhler Versatile, its Affiliates or any third party, or any privacy or publicity rights, in which case you acknowledge that arbitration is not an adequate remedy at law and that injunctive or other appropriate relief may be sought by Buhler Versatile, its Affiliates or the applicable third parties.

If you are domiciled in Canada, the arbitration will be administered by The International Centre for Dispute Resolution Canada in accordance with its Canadian Arbitration Rules.

If you are domiciled in the United States, the arbitration will be administered by the American Arbitration Association (AAA) in accordance with the AAA's Commercial Arbitration Rules, and, if applicable, the AAA's Consumer Arbitration Rules.

You agree that any dispute resolution proceedings will be conducted only on an individual basis and you expressly waive the right to request or maintain any class-wide, representative or consolidated actions, even if the applicable arbitration procedures or rules would permit them. We each agree that the parties are waiving the right to a trial by jury, and if for any reason a dispute proceeds in court rather than in arbitration, we each waive any right to a jury trial. Notwithstanding the foregoing, we both agree that you or we may bring suit in court to enjoin infringement or other misuse of intellectual property rights.

To the extent permissible under applicable law and the relevant arbitration rules: (a) you and we agree to pay our own fees, costs, and expenses, including those for any attorneys, experts, and witnesses; and (b) any claim or cause of action arising out of or related to the use of the Telematics Service must be brought either in arbitration or in court (as permitted by this Agreement) within one (1) year after such claim or cause of action arose, or be forever barred.

Waiver of Rights: You agree to waive any right you may have to: (a) a trial by jury; and (b) commence or participate in any class action against us related to your use of the Telematics Services, the exchange of electronic documents between us or this Agreement and, where, applicable, you also agree to opt out of any class proceedings against us or our licensors.

Privacy

We respect your privacy. By using the Telematics Services, you consent to your personal information being collected, used, and disclosed in accordance with our Privacy Statement <https://versatile-cbx.com/legal/privacy/>, as we deem reasonably necessary for the provision of the Telematics Services, or for any other purposes that are set out in our Privacy Statement, or as required or permitted by law.

Termination

Investigations and Violations: We reserve the right to investigate you if we suspect you have violated this Agreement and/or any applicable laws, and may seek to gather information from you or about your use of the Telematics Services, in furtherance of this purpose. We may suspend your use of the Telematics Services (and for further certainty, use of the Telematics Services through your Account) if your conduct is under investigation. If we believe, in our sole discretion, that a violation of this Agreement and/or any applicable laws has occurred, we may take any corrective action deemed by us to be appropriate, in our sole discretion, including providing personally identifiable information as part of any legal process.

BY ACCEPTING THIS AGREEMENT, YOU WAIVE AND HOLD HARMLESS BUHLER VERSATILE AND ITS SUBSIDIARIES, AFFILIATES, AND THEIR RESPECTIVE DIRECTORS, OFFICERS, SHAREHOLDERS, EMPLOYEES, AGENTS, SERVICE PROVIDERS, CONTRACTORS, LICENSORS, SUPPLIERS, SUCCESSORS AND ASSIGNS, FROM ANY CLAIMS RESULTING FROM ANY ACTION TAKEN BY BUHLER VERSATILE DURING OR AS A RESULT OF ITS INVESTIGATIONS OR FROM ANY ACTIONS TAKEN AS A CONSEQUENCE OF INVESTIGATIONS BY EITHER US OR LAW ENFORCEMENT AUTHORITIES.

Suspension of your Use of the Telematics Services by us: If you breach any provision of this Agreement, you may no longer use the Telematics Services. We may at any time and for any reason, with or without cause, and in our sole discretion, immediately suspend or terminate (in whole or in part) this Agreement and / or your permission to use the Telematics Services, all without any notice or liability to you or any other person. We may take appropriate legal action, including, without limitation, referral to law enforcement or regulatory authority, or notifying the harmed party of any illegal or unauthorized use of the Telematics Services. Without limiting the foregoing, we have the right to fully cooperate with any law enforcement authorities or court order requesting or directing us to disclose the identity or other information of anyone posting any materials on or through the Telematics Services.

We have no obligation, nor any responsibility to any party to monitor the Telematics Services or their use, and do not and cannot undertake to review material that you or other users submit to the Telematics Services. We cannot ensure prompt removal of objectionable material after it has been posted and we have no liability for any action or inaction regarding transmissions, communications, or content provided by any user or third party, subject to applicable laws.

No Rights on Termination: We reserve the right to cease, suspend or interrupt operation of or access to the Telematics Services or any part thereof, and shall not be required to provide any notice in respect of such cessation, suspension or interruption of access, nor shall we have any liability for such cessation, suspension or interruption of access.

Survival: The provisions of Sections that are by their nature intended to survive termination of this Agreement shall survive termination of this Agreement in perpetuity, including, but not limited to, all Sections concerning proprietary interests, warranty disclaimers, indemnity, and limitations of liability.

Miscellaneous

Agreement in English: The parties hereto have required that this Agreement and all documents relating thereto be drawn up in English. Nous avons demandé que cette convention ainsi que tous les documents qui s'y rattachent soient rédigés en anglais.

International Matters: We make no representation that our website, the Telematics Services and all other materials on our website are appropriate or available for use in any particular location. Those who choose to access our website do so on their own initiative and are responsible for compliance with local laws, if and to the extent local laws are applicable.

Force Majeure: We will not be liable for failure or delay in our performance of our obligations under this Agreement due to any cause beyond our reasonable control, including, but not limited to: (a) acts of God; or (b) failure or disruptions in third-party-controlled or operated communications facilities; or (c) worms, viruses and other disabling or disruptive software, communications or files.

Notice: All notices, requests, consents, claims, demands, waivers and other communications hereunder shall be in writing and shall be deemed to have been given: (i) when delivered by hand (with written confirmation of receipt); (ii) when received by the addressee if sent by a nationally recognized overnight courier (receipt requested); (iii) on the date sent by facsimile or e-mail (with confirmation of transmission) if sent during normal business hours of the recipient, and on the next business day if sent after normal business hours of the recipient; or (iv) on the third day after the date mailed, by certified or registered mail, return receipt requested, postage prepaid. Such communications must be sent to the respective parties at the addresses set forth on the applicable order form (or to such other address as may be designated by a party from time to time in accordance with this Section).

Waiver: Our failure to exercise or enforce any right or provision of this Agreement shall not constitute a waiver of such right or provision. If any provision of this Agreement is found to be unlawful, void, or for any reason unenforceable, then that provision shall be deemed severable from this Agreement and shall not affect the validity and enforceability of any remaining provisions of this Agreement.

Assignment: This Agreement, and any rights and licences granted hereunder, may not be transferred or assigned by you except as noted herein, but may be assigned by us without restriction. Any attempted transfer or assignment in violation hereof shall be null and void. If you sell your Equipment, you may transfer your interest under this Agreement, upon our consent and subject to such conditions as we deem appropriate, in our sole discretion.

Entire Agreement: Our Privacy Statement, this Agreement and all other documents referenced in this Agreement, together with any amendments and any additional agreements you may enter into with us in connection with the Telematics Services, together shall constitute the entire agreement between you and us concerning the Telematics Services.

Our Contact Information: If you have any questions about this Agreement, or the Telematics Services generally, please contact us here: cbxinfo@versatile-ag.com.

Telematics Privacy Agreement

Buhler Versatile Inc. Telematics Privacy Statement

Introduction

This Telematics Privacy Statement accompanies the Buhler Industries Privacy Policy (the “Privacy Policy”), which you can access here: <https://www.buhlerindustries.com/pages/privacy.php>. It contains terms and conditions that apply in addition to the Privacy Policy, when you use our telematics devices in a machine or equipment (the “Equipment”), supplied by Buhler Versatile Inc. or its Affiliates, with software and/or firmware that is used in, installed on, provided with or embedded in the Equipment (collectively, the “Telematics Services”).

Terms that are capitalized but not defined in this Privacy Statement have the meanings given to them in the Privacy Policy. “Affiliate” has the meaning given to that term by The Corporations Act (Manitoba). In the event of conflict or inconsistency with the terms of this Privacy Statement and the Privacy Policy, the terms of this Privacy Statement will prevail and govern, to the extent of such conflict or inconsistency.

Information Collected Through The Telematics Services

Personal information we collect through the Telematics Services includes:

- your operation or farm name, and any other identifier we may use to contact or refer to you;
- the dealership from which you purchased the Equipment;
- your contact information;
- your account and log-in information;
- machine data from your Equipment, including data about its:
 - engine, hydraulics and transmission performance;
 - service history;
 - identification information (including software and firmware included in the Equipment);
 - ownership; and
 - system alerts.
- positional data from your Equipment, including in-field operating parameters such as:
 - the speed and location of the Equipment; and
 - the type of facilities in which your equipment is used.
- feedback and other content you provide us, through your use of the Telematics Services, such as product registration and your questions or comments.

We will also collect any other information you choose to share with us, using the Telematics Services.

Why We Collect Information Through The Telematics Services

We collect your personal information through the Telematics Services to:

- help us provide products and services to you, including supporting and servicing the Equipment, through the collection and sharing of performance data about your Equipment;
- authenticate your identity and the use of your account;
- respond to your enquiries and requests for services; and
- further our research and development activities for our products and services.

How We Collect Information About You Through The Telematics Services

Personal information is automatically collected and transmitted to us directly from the operation of your Equipment or otherwise through your use of the Telematics Services (for example, if you interface with websites we make available for that purpose), however, in some cases we may collect your personal information from a third party, such as another individual who operates your Equipment or an authorized Versatile dealer who has sold or serviced your Equipment.

When we collect data, we do so for the purposes identified above, which generally requires us to associate data to the owner or operator of the Equipment. We do not collect data from the Telematics Services for the purposes of monitoring individuals.

Disclosure Of Information Obtained Through The Telematics Services

We may disclose to third parties information that we collect about you or that you provide to us through the Telematics Services, including any personal information:

- to dealers, for the purposes of providing support and service in relation to your Equipment;
- to subcomponent vendors, who help us design, build and operate your Equipment;
- in accordance with applicable law, to a buyer or other successor in the event of a merger, divestiture, restructuring, reorganization, dissolution, or other sale or transfer of some or all of our assets, whether as a going concern or as part of bankruptcy, liquidation, or similar proceeding, in which personal information held by us about our Telematics Services users is among the assets transferred (provided that in the event of any such transfer, we will provide notice to you prior to the transfer of your personal information to the buyer or other successor); and
- to any other person, with your consent.

We may also disclose your personal information:

- to comply with any court order, law, or legal process, including to respond to any government or regulatory request, in accordance with applicable law;
- to enforce or apply our Telematics Terms of Service Agreement <https://versatile-cbx.com/legal/terms-of-service/> and other agreements with enter into with you;
- If we believe disclosure is necessary or appropriate to protect the rights, property, or safety of us, our clients, or other third parties.

Third Party Service Providers

Personal information that we collect or that you provide through the Telematics Services is transferred to the third party service provider we have engaged to host the Telematics Services. This service provider is contractually obligated to keep personal information confidential, use it only for the purposes for which we disclose it to them, and to process the personal information with the same standards set out in this Privacy Statement.

We may process, store, and transfer your personal information in and to a foreign country, with different privacy laws that may or may not be as comprehensive as Canadian law. In these circumstances, the governments, courts, law enforcement, or regulatory agencies of that country may be able to obtain access to your personal information through the laws of the foreign country. Whenever we engage a service provider, we require that its privacy and security standards adhere to this Privacy Statement and applicable Canadian privacy legislation.

Please note that while we retain responsibility for your personal information, it will also be subject to the third party service provider's terms and conditions and we recommend you review those terms and conditions before you use the Telematics Services.

You are welcome to contact us to obtain further information about our policies regarding service providers outside of Canada. See the Contact Information section below.

Data Security

The security of your personal information is very important to us. We use physical, electronic, and administrative measures designed to secure your personal information from accidental loss and from unauthorized access, use, alteration, and disclosure. We store all information you provide to us in compliance with policies, procedures and guidelines described in this Policy and our other contractual obligations.

The safety and security of your information also depends on you. Where we have given you (or where you have chosen) a password for access to certain parts of our Site, as such functionality is offered from time to time, you are responsible for keeping this password confidential. We ask you not to share your password with anyone.

Unfortunately, the transmission of information via the Internet is not completely secure. Although we do our best to protect your personal information, we cannot guarantee the security of your personal information transmitted to our website or through the Telematics Services. Any transmission of personal information is at your own risk, except to the extent that we have caused that risk by breaching this Privacy Statement. We are not responsible for circumvention of any privacy settings or security measures contained on our website or the Telematics Services.

We will keep and maintain records pertaining to a breach of our security safeguards in the form and content required by law, and if required by law, will report the breach to the Office of the Privacy Commissioner of Canada, and notify the affected person(s) of the breach.

Data Retention

Except as otherwise permitted or required by applicable law or regulation, we will retain your personal information for as long as necessary to fulfill the purposes we collected it for, including for the purposes of satisfying any legal, accounting, or reporting requirements. This includes personal information collected under a contribution agreement, which will be maintained in accordance with the terms of that agreement.

We may anonymize your personal information so that it can no longer be associated with you. We reserve the right to use such anonymous and de-identified data for our own business purposes without further notice to you or your consent. Any such anonymized and de-identified data is owned by us; is not subject to the terms and conditions of this Privacy Statement; and may be used by us for any purpose, in our sole discretion.

Accessing And Correcting Your Personal Information

It is important that the personal information we hold about you is accurate and current. Please keep us informed if your personal information changes. By law you have the right to request access to and to correct the personal information that we hold about you. We will provide access to your personal information, subject to exceptions set out in applicable privacy legislation.

If you want to review, verify, correct, or withdraw consent to the use of your personal information you may also send us an email at privacy@buhlerindustries.com to request access to, correct, or delete any personal information that you have provided to us. We may not accommodate a request to change information if we believe the change would violate any law or legal requirement or cause the information to be incorrect.

We may request specific information from you to help us confirm your identity and your right to access, and to provide you with the personal information that we hold about you or make your requested changes. Applicable law may allow or require us to refuse to provide you with access to some or all of the personal information that we hold about you, or we may have destroyed, erased, or made your personal information anonymous in accordance with our record retention obligations and practices. If we cannot provide you with access to your personal information, we will inform you of the reasons why, subject to any legal or regulatory restrictions.

If you are concerned about our response or would like to correct the information provided, you may contact our Privacy Officer at privacy@buhlerindustries.com.

Withdrawing Your Consent

Where you have provided your consent to the collection, use, and transfer of your personal information, you may have the legal right to withdraw your consent under certain circumstances. To withdraw your consent, if applicable, contact us at privacy@buhlerindustries.com. Please note that if you withdraw your consent we may not be able to provide you with particular services (including, but not limited to, the Telematics Services) and your right to withdraw consent may be limited by agreements you have entered into with us (such as terms of service which apply to the Telematics Services from time to time). We will explain the impact to you at the time to help you with your decision.

Changes To This Policy

This Privacy Statement may change from time to time. Changes we make to this Privacy Statement will be posted on this page. If we make material changes to how we treat our users' personal information, we may notify you by email or through a notice on our website. You are responsible for periodically visiting our website and this Privacy Statement to check for any changes. Your continued use of the Telematics Services after such notice constitutes your acceptance of such changes.

Language

You and we have requested and agree that this Privacy Statement and all documents related to this Privacy Statement be drawn up in English. Les parties ont demandé que cette convention ainsi que tous les documents que s'y rattachent soient rédigés en anglais.

Contact Information

If you have any questions about this Privacy Statement or our privacy practices, please contact us at:

Buhler Versatile Inc.

Attn: Privacy Officer

privacy@buhlerindustries.com

We have procedures in place to receive and respond to complaints or inquiries about our handling of personal information, our compliance with this Privacy Statement, and with applicable privacy laws. To discuss our compliance with this Privacy Statement please contact our Privacy Officer using the contact information listed above.

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Section: 7 Help – Contents

Help	.7-1
Introduction	.7-3
Where to Find General Help Content	.7-3
Where Do I Go if I Have Trouble with Telematics Portal or Device	.7-3
Symbols and Meanings	.7-4
Glossary	.7-6
Smart Phones and Tablets	.7-7

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Help

Introduction

This section provides sources of information that can assist you in the operation of Versatile Telematics system.

Where to Find General Help Content

You can locate the Help Menu (1) by clicking the icon (2) beside your user name.

Once you click a drop down menu will appear showing the two available sources:

- Youtube (2)
- Documentation (3)

Where Can I Go if I Have Trouble With Telematics Portal or Device?

If you encounter issues with the Portal:

- Go to the Help Menu (1) in the Portal and review the training material (3).
- Go to the Help Menu and review the User Manual (3).
- Contact your Dealer for technical assistance.

If you encounter problems with either your password or logging on:

- Contact your Dealer for technical assistance.
- Use the “Contact Us” link on the login page to send an email requesting help with your user account.

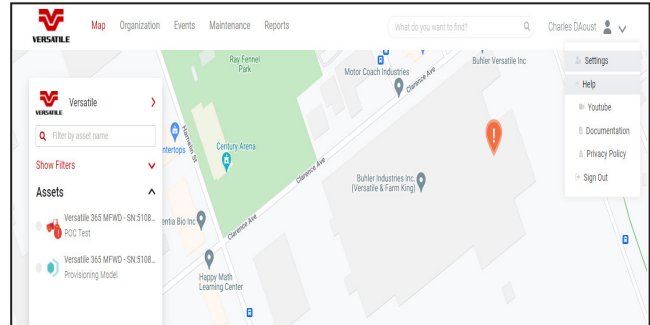


Figure 7-1 Help Sources

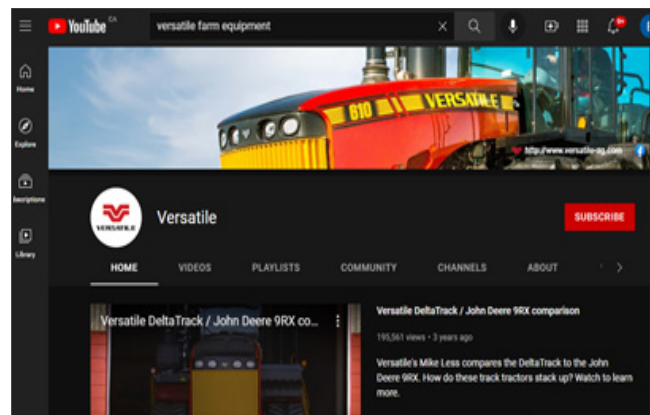
















Figure 7-2 Youtube


































Figure 7-3 Online Help

Symbols and Meanings

This table will assist in identifying the symbols found on the Telematics Portal.

Signal Status	
	Signal is Not Visible
	Signal is Visible
	Monitored Machine Signal
Machine Status	
	Machine is Offline
	Machine is Online
	Machine Reporting Issue (Alert or Fault)
Data Tables	
	Sort Column Alphabetically
	Filter Column Entries
Dashboard Widgets	
	Edit Table/Widget
	Change Time Filtering
	Zoom In/Out on Chart
	Zoom to Selection
	Manually Pan Chart L-R
	Zoom Chart to Events of Data

Map Views	
	Group of Assets (zoom in to see individual assets)
	Offline Asset (last known location)
	Online Asset
	Group of Assets (too close to show individually)
	Asset, Online or Offline, with active Alert/Fault
	Zoom Map In/Out
Communication	
	Messaging Option (SMS/Email) disabled
	Messaging Option (SMS/Email) enabled
Portal Navigation	
	Open up Search Entry Box
	View Additional Options
	Expand/Collapsed Menu
	Setup Menu
	Feature/Option Toggled OFF
	Feature/Option Toggled ON
	Log Out
Mobile Menu Only	
	Filter Options
	Menu Navigation Options

Default Images	
	Asset without Asset Model
	Organization Without Logo
	Asset Model without Image
Default Tractor Images	
	Versatile 4WD
	Versatile DeltaTrack
	Versatile MFWD
	Versatile Nemesis
	Non-Active Tractor
	Tractor with an Active Alert
Fault Code Severity	
	High Severity Fault
	Medium Severity Fault
	Low Severity Fault
Advanced Functionality	
	Asset Model is Shared Between Orgs
	Command and Control Enabled

Glossary

This table will assist in defining some terms found on the Telematics Portal.

Equipment Management	
Asset	Generic name for the Tractors and other equipment managed with Telematics.
Geofences	Geofence is a boundary on a map that acts as virtual fence. This fence can then be used to trigger alarms if an Asset enters or exits the area.
Portal	The website where you manage your Assets/Equipment/Tractors from.
Provisioned Asset	Assets/Tractors that have a telematics device installed, but are not currently enabled to transmit data.
Users and Organizations	
Access Level	Authority assigned to each user to allow or not allow editing items and adding other users/machines to an account.
Organization	Business which own one or more Tractors/Assets.
Sub-Orgs	Organizations below you in the Org Chart. For example; Versatile Corporate is above a Dealership, which is above the end user.
Users	Individuals that are part of an Organization able to see the data for machines in that organization (depending on access level).
Signals and Data	
Asset Model	The specific software downloaded onto a tractor's telematics module that records and translates the messages on the CANBUS.
Calculated Signals	Formulas used to turn a tractor signal into a usable piece of information, such as taking a code for engine speed and displaying it as Engine RPM.
CANBUS	The communication network between a set of interconnected electronic devices, with a standardized way of communicating messages.
Collections	A group of related signals, such as those coming from the hydraulic valve blocks.
Commands	Commands are messages that can be sent by the telematics system to the tractor, such as "clear fault codes".
Rules	These are formulas that will trigger a message when they are broken, such as "if engine speed is over 100 rpm then report that the tractor has been started".
Signals	A specific message coming from an electronic device on the tractor. The telematics module waits until it sees these signals, then transmits it to the user.
Transforms	These are rules that take a numerical output from a device and turn it into text. For example; "0" = "Light is Off" and "1" = "Light is On".
Alerts and Reports	
Alert	These are telematics system generated messages, triggers by the data that is coming in from the Tractor.
CSV Export Report	Regularly scheduled reports that are created in spreadsheet format and look at specific machines in your fleet.
DM1 Fault	These are alarms sent out by a tractor's electronic controllers, and use a specific message code to identify what they are about, and where they originated.
Events	This describes any alarm that the telematics system records and is able to transmit. These include DM1 Faults, Alerts and Geofence Alarms.

Smart Phones and Tablets

Telematics can also be accessed using a mobile device as well as your personal computer.

Telematics Portal can be accessed using the internet browser on your mobile device.

Internet access on your device is required in order to view the Portal.

The appearance is similar as you would find using a personal computer, but navigating between screens is slightly different than on a desktop.

Login and navigation the same as desktop, see Section 5.

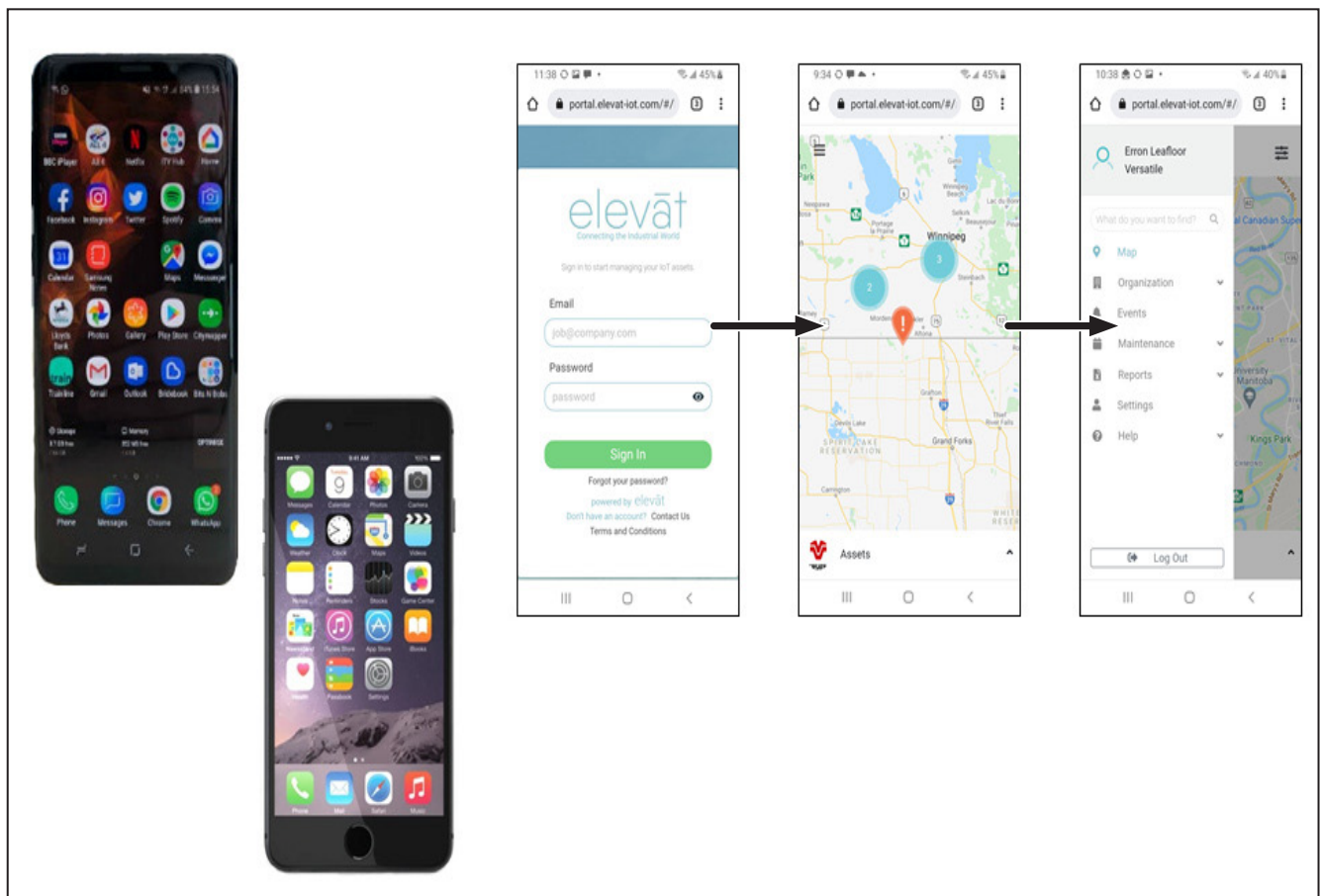


Figure 7-4 Mobile Device Login and Map Screens

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Index

Basic Functionality Overview	<i>See Section 3</i>	Introduction	1-3
Basic Functionality Overview	3-3	Map Screen	<i>See Section 5</i>
Bluetooth®	3-3	Asset Model Screen	5-13
Data Collection and Ownership	3-4	Events Menu	5-17
Key Features	3-4	Geofence Screen	5-11
Remote Service Capabilities	3-3	Maintenance Menu	5-18
Shared Data Capabilities and Tractor	3-3	Map Screen	5-5
Synchronization	3-3	Map View	5-6
Telematics Device Theory of Operation	3-3	Menu Bar	5-5
Telematics Functions	3-5	Organization Menu - Geofences	5-16
Telematics Functions List	3-5	Organization Menu	5-10
Website	3-3	Organization Menu Additional Details	5-13
Wireless Network	3-3	Organization Menu Advanced Information	5-13
Hardware Overview	<i>See Section 4</i>	Reports Menu	5-18
Antennas	4-5	Sub-Orgs Screen	5-14
Components	4-3	Tractor Dashboard	5-6
Connection Interfaces	4-4	User Screen	5-12
GPS/Cellular Antenna	4-5	Regulatory and Compliance	<i>See Section 2</i>
Hardware Overview	4-3	FCC Notifications	2-3
Operating System	4-3	Identifying the Module	2-5
Processing	4-3	Industry Canada Notifications	2-4
Serial Number Location	4-4	Safety	1-6
SIM Card Location	4-4	Batteries	1-8
Telematics Module	4-3	Electrical system	1-7
What Versions of Smart Phones/Tablets Can I Use	4-5	Gradeability	1-7
What Web Browsers Can I Use?	4-5	Hydraulics	1-8
Wireless Antenna	4-5	Icons	1-5
Wireless Communication	4-3	Jacks, use of	1-6
Help	<i>See Section 7</i>	Lubrication and maintenance	1-7
Help	7-3	Operating	1-6
How to Search the Portal	7-3	Signal words	1-4
Introduction	7-3	Storage	1-7
Symbols and Meanings	7-4	Towing and transport	1-9
Usable Smart Phones and Tablets	7-7	Safety	1-4
Where Do I Go if I Have Trouble with Telematics	7-3	Service and Privacy Agreements	<i>See Section 6</i>
Portal or Device	7-3	Service and Privacy Agreements	6-3
Where to Find General Help Content	7-3	Telematics Privacy Statement	6-14
Managing Telematics Data on Portal	<i>See Section 5</i>	Telematics Terms of Service	6-3
Managing Telematics Data on Portal	5-19	Storage	1-7
Tractor Current Location and Condition	5-19	Telematics Portal Navigation	<i>See Section 5</i>
Tractor Usage History	5-20	Welcome to Telematics	5-3
Tractor Fault and Alert History	5-21	Using Telematics	<i>See Section 5</i>
Tractor Maintenance History	5-22	Authorizing Dealer	5-25
Tractor Geofence Alert and History	5-23	Changing Dealer	5-26
Organization and Authorized User Data	5-24	Creating New User Profile	5-26

How to Add Asset to Account	5-22
How to Change Asset Name and Details	5-28
How to Set Notifications	5-28
How to Setup Geofence	5-29
How to Setup Messages from Service Alarms	5-32
How to Share Telematics Data	5-25
How to Track Asset Maintenance	5-31
How to View and Manage Alerts and Faults	5-31
Tractor Not Appearing on Portal?	5-28
User Credential Levels	5-26
Using Telematics	5-25
Your Account	<i>See Section 5</i>
How to Create/Edit Account	5-3
How to Reset Password	5-3
How to Sign Up for Telematics	5-3
Logging In	5-3



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1260 Clarence Avenue » Winnipeg, Manitoba » Canada R3T 1T2
Phone: 888.524.1003 » Fax: 204.654.2503 » info@versatile-ag.com » www.versatile-ag.com