



SiteWatch

Customer Interface

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Index

Features & Applications

Login

Dashboard

Fleets

Maintenance

Reports

Settings

Features & Applications



Features & Applications

SiteWatch is CASE's Telematics Solution that tracks real-time equipment operating data, communicating that information to an internet interface to help you better manage your equipment, making you more productive and profitable.

SiteWatch is the interface for the customer

- Fleet monitoring & tracking – Location tracking, Fuel reports, Engine Data, Alarms
- Productivity tracking
- Operational and efficiency reports
- Security functions



Telematics collects machine data:

Position, status, performance, health

Working Time: Usage => invoice to customer

Where: Outside boundary/ hours => security threat

Engine Start/Stop: Fuel Consumption, Machine hours => maintenance

Idle time: Idle reduction => cost reduction

Compare machines => efficiency

Features & Applications

Benefits

With SiteWatch you can actually *measure the performance and efficiency of your fleet*. Simple reports will give insight in how a single machine or multiple machines perform.

Compare the data and have real background information to support decision making.

SiteWatch also *tracks accurately the location and working times*, it alerts you when the system *detects unauthorized movement*.

Out-of-range engine values will trigger alerts, reporting the customer about immediate or potential issues which allows to take action to prevent down time.

*1 Vehicle
Information*

2 Save Money

3 Security

*4 Maintain
optimal
condition*

Features & Applications

Benefits

Measure

SiteWatch keeps track of a whole fleet, **measuring parameters, detecting e.g. idle times** of each machine. But also **identify unused machines on the jobsite**. Reports can be send automatically weekly or monthly.

On-Off machine

Fuel usage

Machine usage

Daily run times

Idle times

Engine hours

Engine data/alerts

Location

Take Action

This information **allows** you to **manage** different **factors that affect the productivity of each unit**, e.g. operator's inefficiency or the re-location of ineffective used equipment.

Late start / early stop

Change operator
behaviour

Move/change machine

Check / use for reports

Reduce idle time

Plan maintenance

Plan service intervention

Check

Cost reduction

Manage these factors to improve the cost efficiency, the fuel consumption, the maintenance and the performances.

Resource efficiency

Fuel reduction

Efficient asset usage

Administration efficiency

Fuel reduction

Downtime prevention

Downtime prevention

Machine security

Login



Login

Customer SITEWATCH login details will be provided by CASE Construction authorized dealer / CASE Construction Official.

Customer can easily access through Tab, Smart phone, Computer, etc. by using the below mentioned link.

<https://casesitewatch.com/>



CASE | **SiteWatch**

Login

Welcome back, please login to your account.

Forgot password

LOGIN

[Privacy Policy >](#)

Dashboard

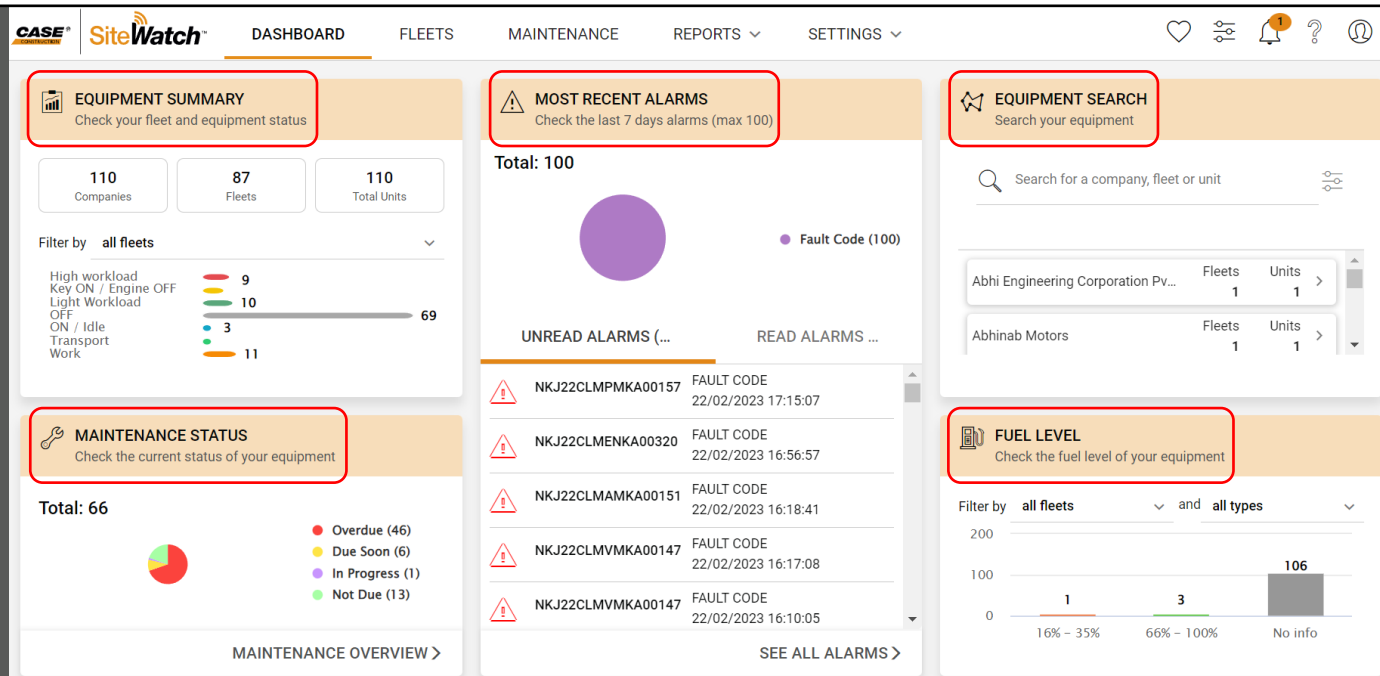


Dashboard

After login to SITEWATCH, a new window arrives. This is called "DASHBOARD".

It has 5 different summaries.

- Equipment Summary.
- Maintenance Status
- Most Recent Alarm.
- Equipment Search.
- Fuel Level.



Dashboard

Equipment Summary

In "Equipment Summary" all the CASE range of products can be viewed at once as shown in Fig.01.

Identification:

Companies – Whose name has been registered in machine invoice.

Fleets – It shows the number of locations set where a fleet of machines are assigned.

Total Units – 110 Nos. of CASE products, that has been purchased by the customers from CASE Construction.

Presently 66 machines are in ignition "OFF" condition.

*When operation starts the machines will appear as "High workload, Light workload, Idle, etc. as shown in Fig.02.

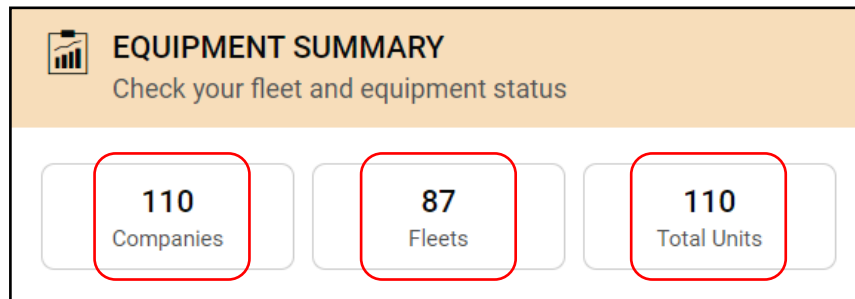


Fig.1

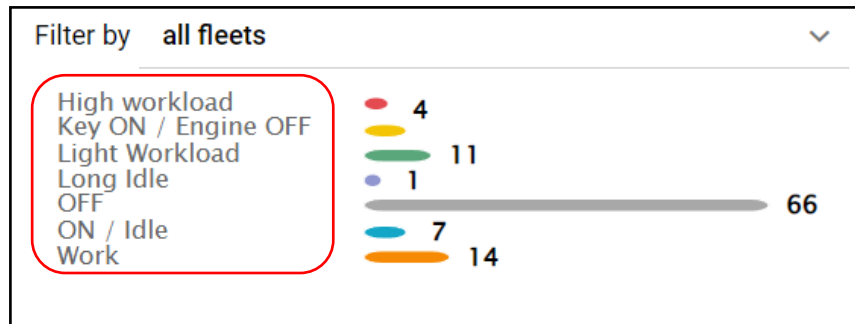


Fig.2

Dashboard

Maintenance Status

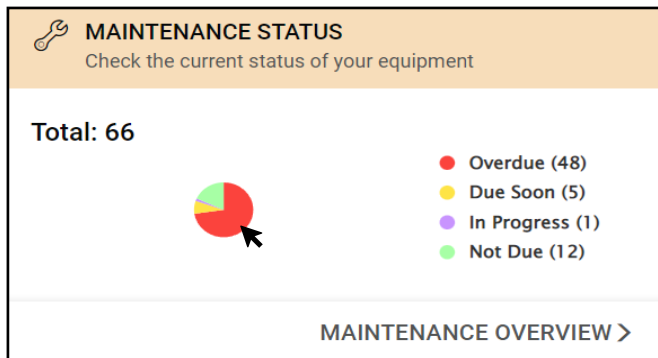


Fig.1

OVERVIEW LIST FORECASTING UNITS SELECTION

Search for a company unit

VIEW ON MAP EXPORT XLS

OVERDUE DUE SOON IN PROGRESS NOT DUE NOTHING SCHEDULED

Severity	Unit	Company	Current engine hours (h)	Odometer (Km)	Hours left to next service (h)	Distance left to next service (Km)	View on map
OVERDUE	NKJ22CLMJMKA00128	Abhinab Motors	2977.5	280	-477.5	-	<input type="checkbox"/>
OVERDUE	NKJ22CNMHNKA00460	ACME Enterprise	1413	29	-211.9	-	<input type="checkbox"/>
OVERDUE	NKJ22CLMLMKA00250	AGM Fuels & Transports	4174.6	276	-174.6	-	<input type="checkbox"/>

Fig.2

In “Maintenance Status” machines maintenance overdue/pending, as well as future services can be viewed at once as shown in Fig.01.

Identification:

Overdue – Fig.01 showing 48 units maintenance is pending.

Click on “RED” colour area, new window will appear as shown in Fig.02 where you can see which machine service is pending.

Dashboard

Most Recent Alarms

“Most Recent Alarms” shows how many alerts occurred against all machines registered to the customer within last 7 days (max. 100)

Identification:

Total 100 – Presently 100 alerts occurred against machines. As shown in Fig.01.

Note:

Different types alarms can occur on dashboard, for example – Maintenance, Fault codes, machine communication error, etc.

*If any error occur against individual machine, it will appear on “Most Recent Alarms” showing as Fig.02.

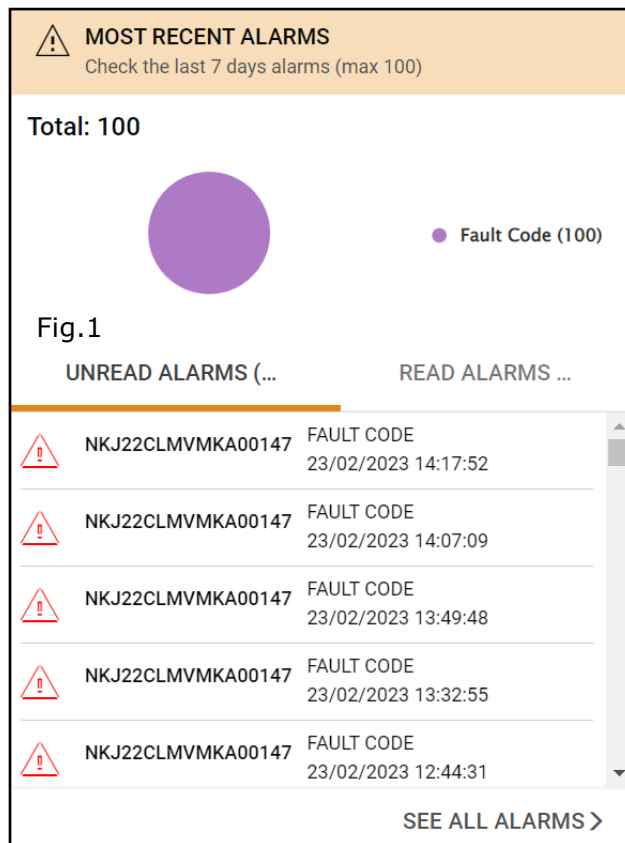


Fig.2

(Confidentiality level - Low)

Dashboard

Equipment Search

In “Equipment Search ” machine current location can be viewed.

Identification:

Abhinab Motors – Unit 1 showing as Fig.01.

While click on “>” mark. Individual unit will appear on screen.

Click on  center icon as showing in Fig.01.

Machine’s current location can be viewed.
Ref.Fig.02.

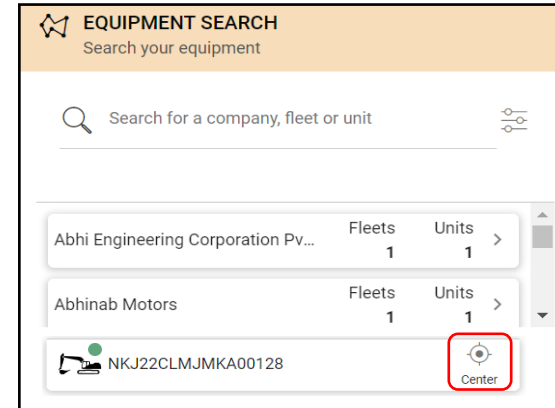


Fig.1

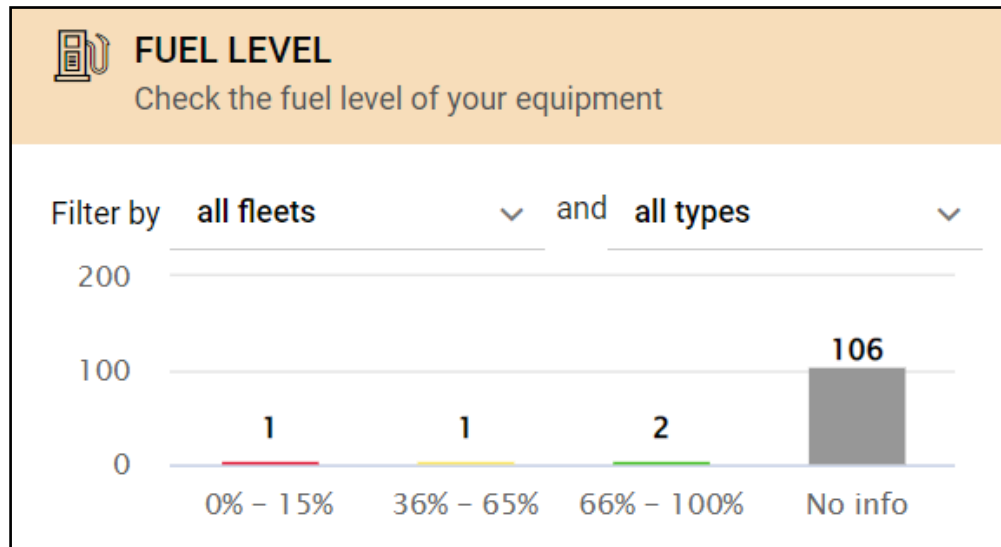


Fig.2

(Confidentiality level - Low)

Dashboard

Fuel Level



"Fuel Level" shows the fuel level in % if machine's Fuel level sensor signal data is mapped with the ECU through CAN Bus & also with the Telematics controller.

Fleets



Fleets

Explore

“Fleets” is the screen where 110 machines are available on the map, as showing in Fig.01.

Content:

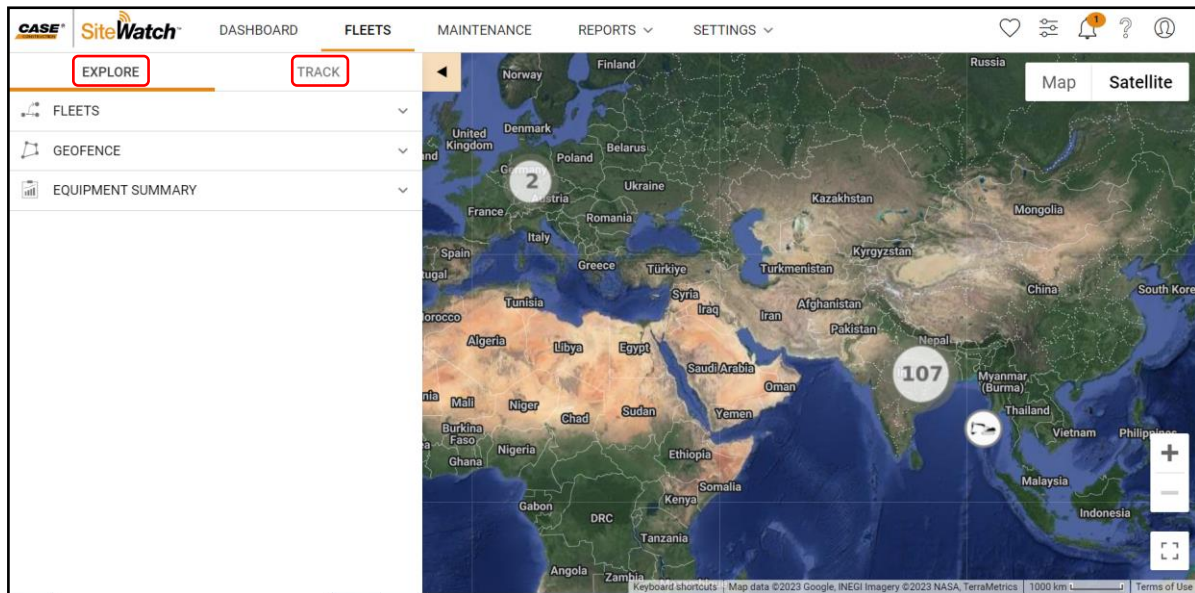
- ✓ Explore.
- ✓ Track.

Explore:

- ✓ Fleets
- ✓ Geofence
- ✓ Equipment Summary

Track:

Communication time, communication types between machine & SITEWATCH can be checked.



Fleets

Explore-Fleets

- Click on "Fleets" – (v) Down arrow.
- Fleets name – "Abhinab Motors".
- Individual machine details will appear on screen.
- Click on any unit from the list, as shown in Fig.01.
- Unit related details will appear at RH side of the screen (Fig.02)
- Sub options:

- ☐ Parameters.

- *Shows machine present HRS.

- ☐ Position.

- *Machine location address.

- ☐ Maintenance.

- *Overdue , upcoming maintenance status.

- ☐ Technical Data.

- *SITEATCH device version, firmware, etc.

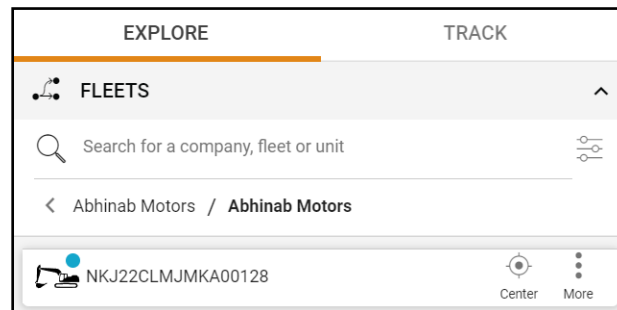


Fig.1

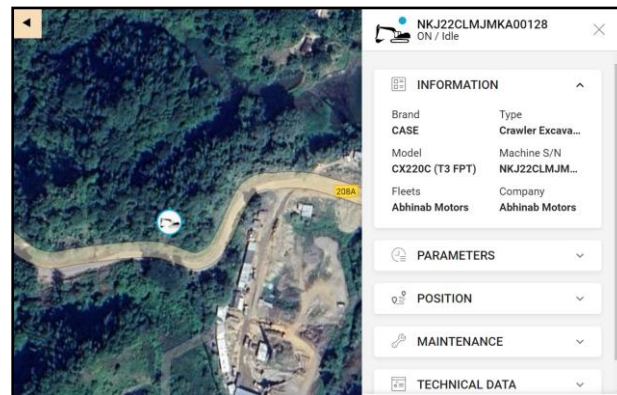




Fig.2

Fleets

Explore-Fleets

 INFORMATION ^

Brand	Type
CASE	Crawler Excava...
Model	Machine S/N
CX220C (T3 FPT)	NKJ22CLMJM...
Fleets	Company
Abhinab Motors	Abhinab Motors


 PARAMETERS ^

280 Km
Odometer

2979.67 h
Engine hours

-479.7 h
Hours left to...


-
Distance left...

 POSITION ^

Address
838V+RW5, Paschim Tilthai, Tripura 7...

Last Update
23/02/2023 17:13:33

Last Position
24.3178462; 92.0941619
23/02/2023 17:13:33


 MAINTENANCE ^

INTERVALS

OVERDUE 2500.00 h interval

OVERDUE 2750.00 h interval

DUE SOON 3000.00 h interval

 TECHNICAL DATA ^

Service Level
Advanced

Expiration Date
16/08/2023 15:11:01

Server Firmware Version
AM53 CNH CE 4.3.0

Device Firmware Version
FirmwareConfig 1 4.3.0 FirmwareCon...

If you click on individual sub options, a different screen appear on RH side of the screen as shown here.

Fleets

Explore-Geofence

- You can check if the machine is running within the specified area or outside the specified area. But before checking, need to make your fence on machine working location.

Process Of Geofence:

- Click on Settings > Modem > Security > Geofence
- New window will appear as Fig.02.
- Click on RH side of the screen "Add Geofence".

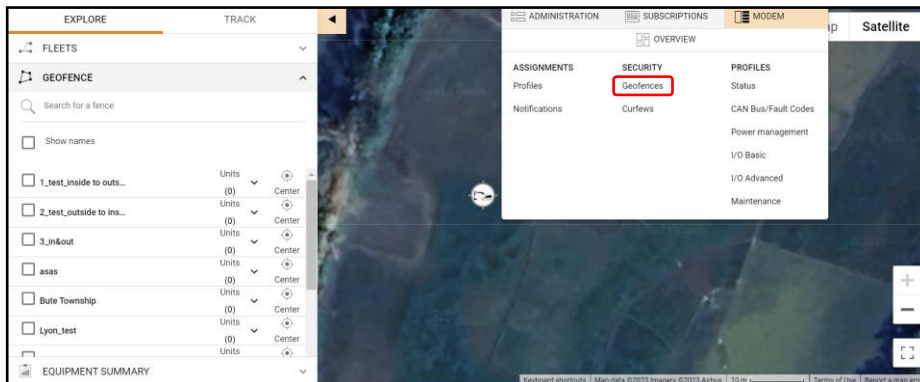


Fig.1

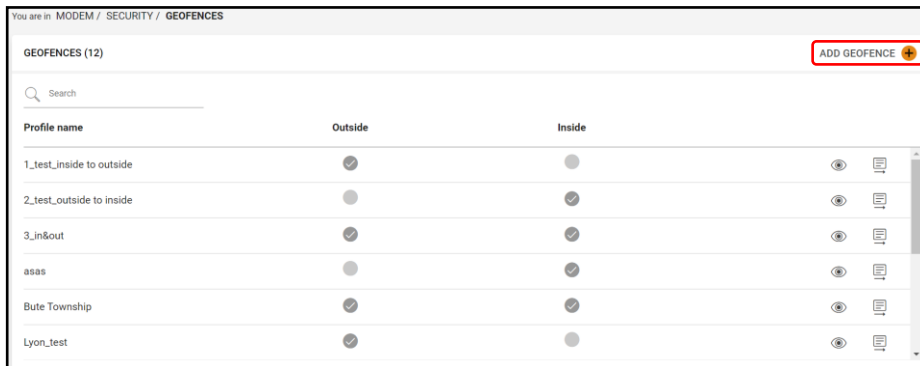


Fig.2

Fleets

Explore-Geofence

Process Of Geofence:

- Select on Transition both options as Fig.01.
- Select "Alarm Notification" as you require like Low, High, Medium.
- Write a name to identify the machine.
- Click on RH side "Fleets/Fences Selection" showing in Fig.01.
- Click on "Fleets" machines will appear with unit nos.
- Re-click on unit nos. Individual unit will appear
- Click on More > Follow as shown in Fig.02.

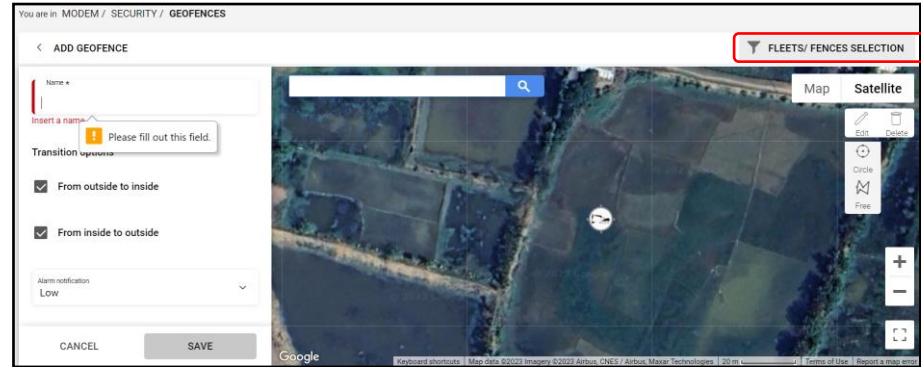


Fig.1

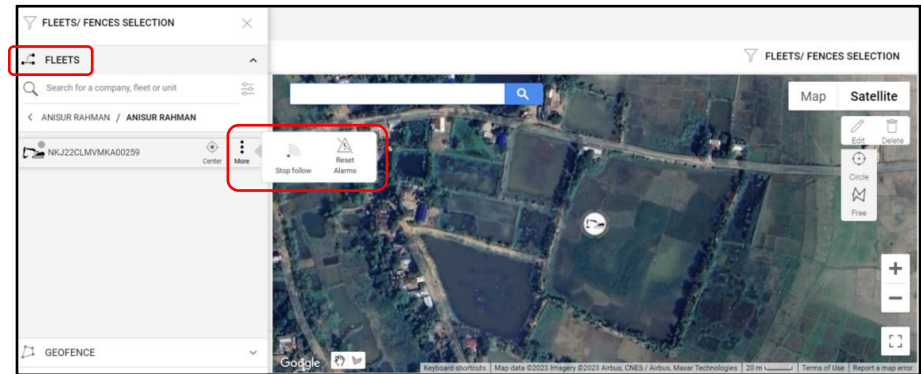


Fig.2

Fleets

Explore-Geofence

Process Of Geofence:

- Click on "Edit" > Select "Circle" > Drag fence as you need for setting the fence as showing in Fig.01.
- After making fence click on "OK" option.
- Click on "Save" as Fig.02.



Fig.01

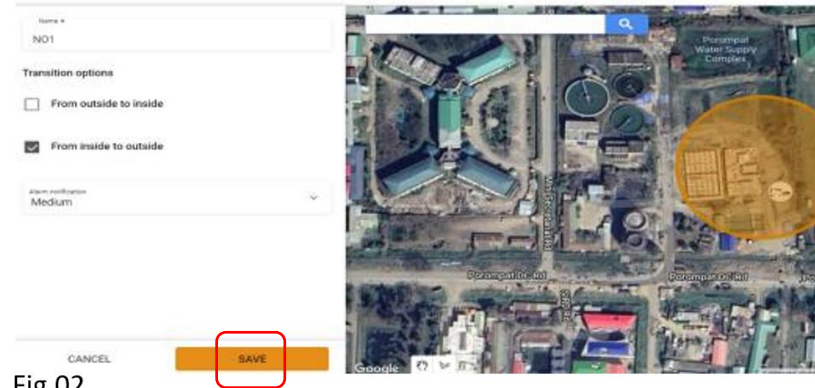
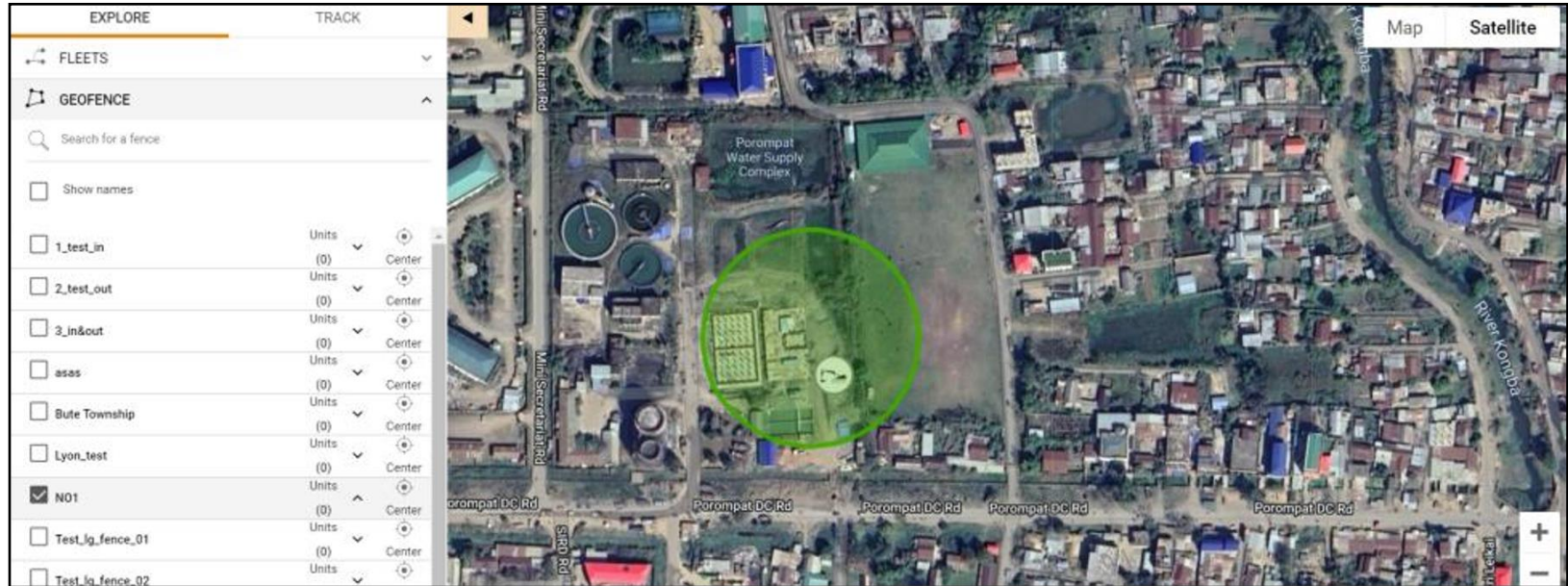


Fig.02

Fleets

Explore-Geofence

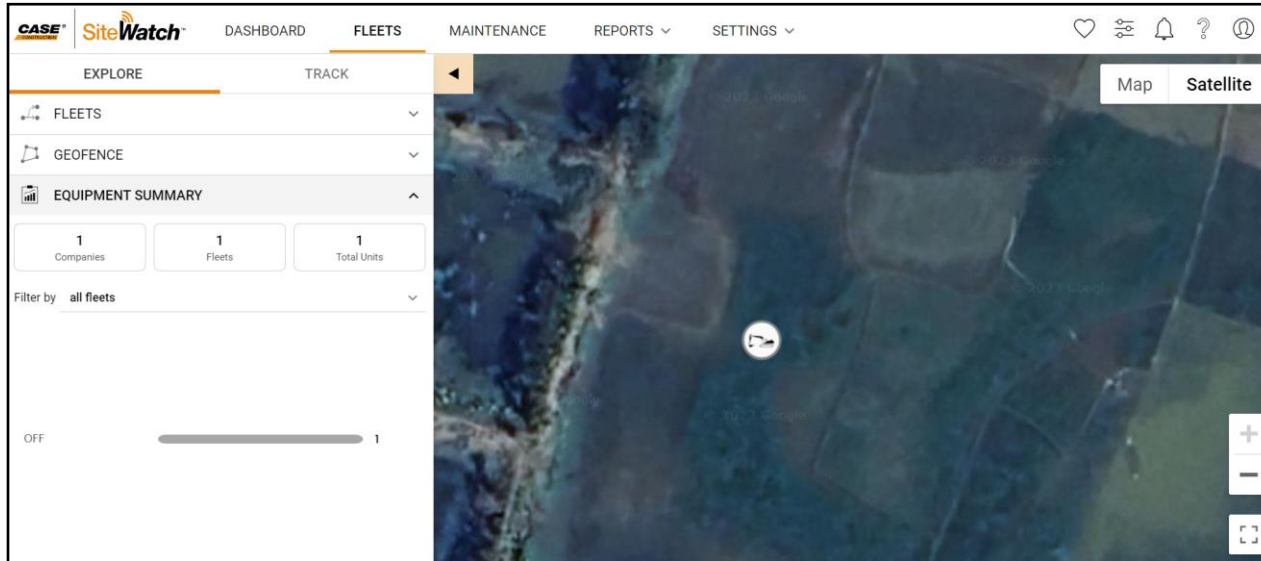


Machine under Geofence:

*If machine cross the fence, alarm will appear on SITEWATCH portal.

Fleets

Explore-Equipment Summary



“Equipment Summary” shows machine present status as Off, Idle, High Workload, etc.

Presently the machine / unit shows ignition in “Off” condition.

Fleets

Track

EXPLORE TRACK

DATE SELECTION

Quick selection:

TODAY YESTERDAY LAST 7 DAYS LAST 30 DAYS

Select your date range:

From To

25/02/2023 03/03/2023

00:00:00 23:59:59

UNITS SELECTION

Search for a company, fleet or unit

ADD ALL

Selected units: 1 VIEW ALL >

GENERATE REPORT

Fig.1

EXPLORE TRACK

< Back to the selection

RESULTS

From 25/02/2023 00:00:00 to 03/03/2023 23:59:59

Click below if you want to switch unit

Units

List	Timestamp	Speed	Details
NKJ22CLMVMK A00259	25/02/2023 06:08:47	N/A	Key ON
NKJ22CLMVMK A00259	25/02/2023 06:09:04	N/A	Report IO
NKJ22CLMVMK A00259	25/02/2023 06:09:35	0.00	ON Message
NKJ22CLMVMK A00259	25/02/2023 06:19:04	0.00	Report Status,CAN

GEOFENCE

Map Satellite

Depkaidalbari

ASSAM

MEGHALAYA

Shimari-Tura Rd

Tiksali

Fig.2

- Possible to generate report against individual machine or multiple machines at a time.
- Perform Date Selection, Unit Selection and Click on "Generate Report" (Ref. Fig. 1)
- Report appears with Timestamp, Speed & Details as shown in Fig.2

Maintenance



Maintenance

“Maintenance” screen has 4 different parameter as showing in Fig.01.

Parameters:

✓ Overview

Summary of maintenance details.

✓ List

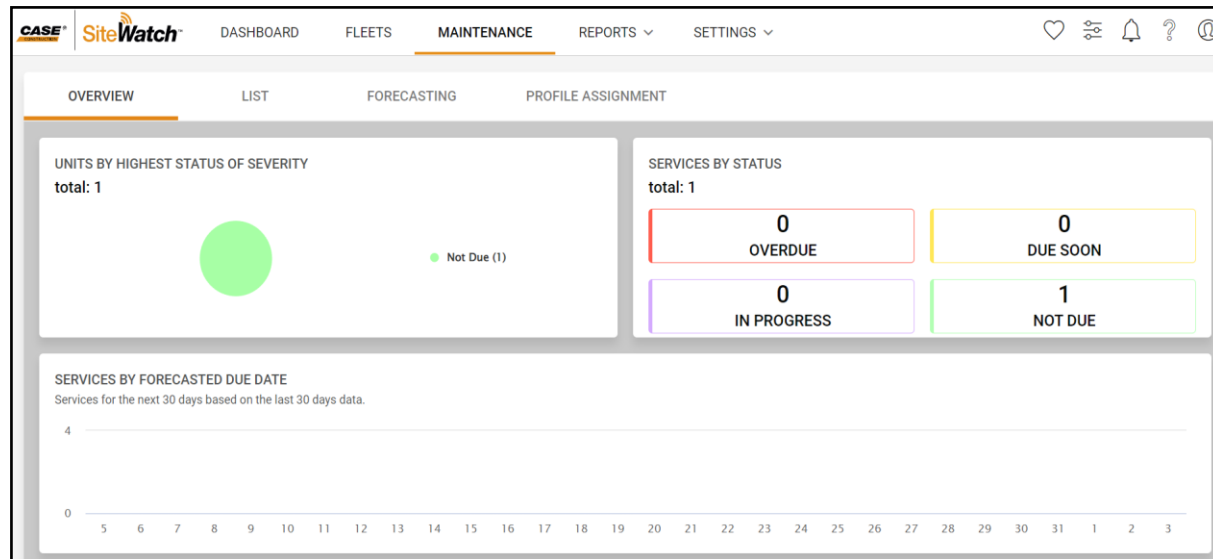
Individual unit maintenance status.

✓ Forecasting

Provides for the equipment selected an indication of how many days are left until next maintenance service(s).

✓ Profile Assignment

Gives maintenance profile selection option



*To get reminders on the maintenance services to come, you need to setup the right maintenance profile to your equipment.

Maintenance

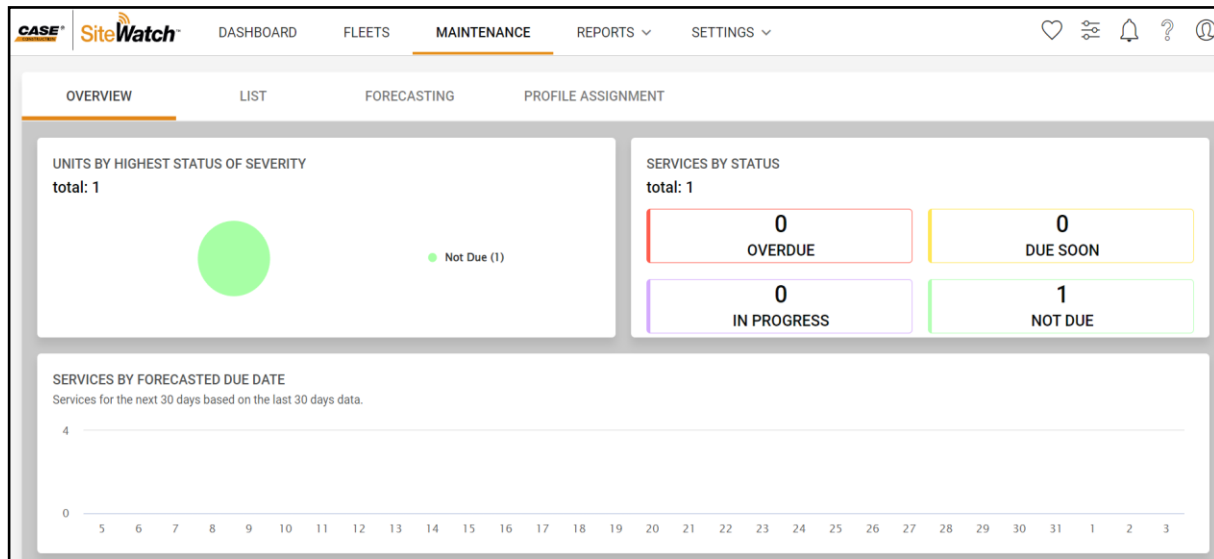
Overview

- ✓ Unit By Highest Status Of Severity
Indicates service status by color.

Overdue.
 Due soon.
 In progress.
 Not due.

- ✓ Services By Status.
No. of units with services pending, in progress, due soon or not due can be checked.

- ✓ Services By Forecasted Due Date
If forecasting against unit is activated, based on unit run time, also forecast next service date.



Maintenance

List

Severity	Unit	Company	Current engine hours (h)	Odometer (Km)	Hours left to next service (h)	Distance left to next service (Km)	View on map
NOT DUE	NKJ22CLMVMKA00 259	ANISUR RAHMAN	1284.6	80	9.3	-	<input type="checkbox"/>

✓ Individual unit service status can be checked.

As per Fig.01 service for the selected machine is in “NOT DUE” status, it also indicates “9.3 Hrs. left to next service”.

Maintenance

Forecasting

The screenshot shows the 'MAINTENANCE' tab in the SiteWatch application. The 'FORECASTING' sub-tab is active. A search bar is present with the placeholder 'Search for a company unit'. Below it, a note states: 'Please insert a time-frame to perform the analysis. The time-frame can be set up on the base of day/s or week/s. If in the selected time interval some satellite data transfer occurred, forecast may be unreliable.' A red box highlights the time-frame selection area, which includes radio buttons for 'Days' and 'Weeks', and a dropdown menu currently set to 'Number 10'. To the right of this area are links for 'VIEW ON MAP' and 'EXPORT XLS'. A large orange button labeled 'GENERATE REPORT' is located at the bottom right of the forecasting section.

- ✓ Setting forecasting against individual unit will help to know tentative next service date based on unit present SMR.

Process Of Forecasting:

- Select "Days / Weeks" as numbers > Click Unit Selection
Calculation done from last schedule service date to report generation date.
- LH side new sub screen appear as "Unit Selection". Choose the Unit for report > Click on "Generate Report"

The screenshot shows the 'UNITS SELECTION' sub-screen. It has a search bar with the placeholder 'Search for a company, fleet or unit'. Below the search bar is an 'ADD ALL' button. A table lists units, with one unit highlighted by a red box: 'ANISUR RAHMAN' with 'Fleets 1' and 'Units 1'. At the bottom, it shows 'Selected units: 1' and a 'VIEW ALL >' link. A large orange button labeled 'GENERATE REPORT' is at the bottom right, also highlighted by a red box.

Maintenance

Forecasting

Search for a company unit

VIEW ON MAP EXPORT XLS

Please insert a time-frame to perform the analysis. The time-frame can be set up on the base of day/s or week/s. If in the selected time interval some satellite data transfer occurred, forecast may be unreliable.

☐ Days ☒ Weeks Number 3

GENERATE REPORT

OVERDUE DUE SOON IN PROGRESS NOT DUE NOTHING SCHEDULED

Status	Unit name	Company	Current engine hours (h)	Current odometer (Km)	Forecasted date	Forecasted days	View on map
NOT DUE	NKJ22CLMVMKA002 59	ANISUR RAHMAN	1284.62	80	25/03/2023	20	<input type="checkbox"/>

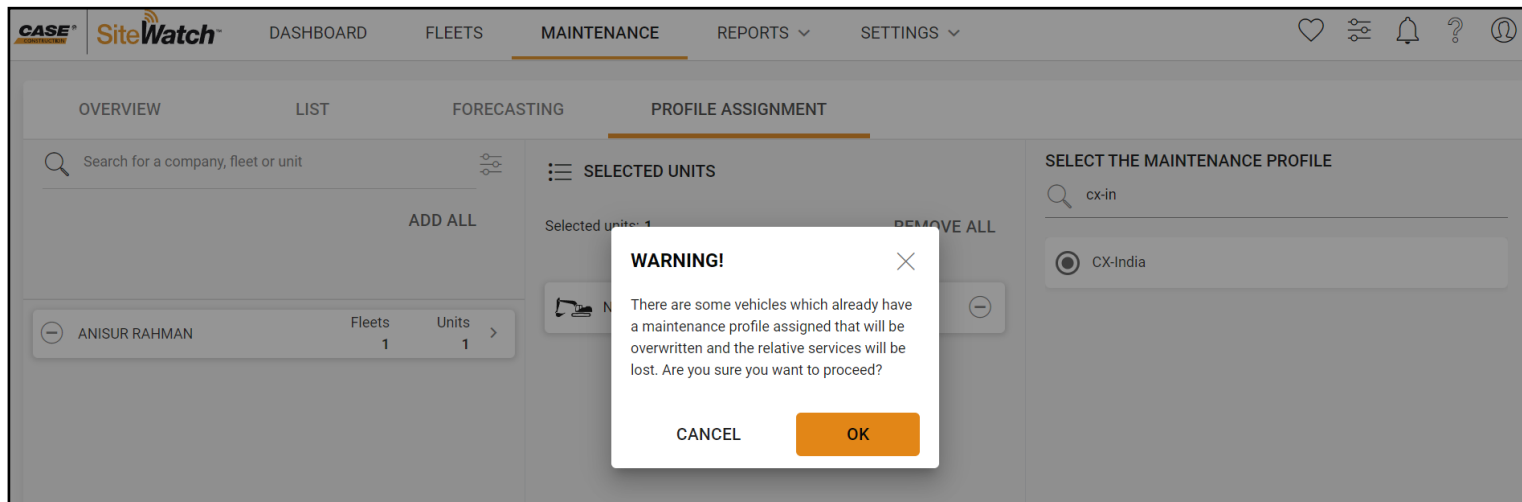
Forecasting Report :

- Presently no “Due soon” occurred against the selected unit.
- The forecasted date for next service showing as 25th March 2023.
- Tentative days left for the service is also given as 20 days.

* Forecast may be unreliable, if within the selected time interval some satellite data transfer occurred. Also it is required to update maintenance to get proper data in “Forecasting Report”.

Maintenance

Profile Assignment



Profile Assignment :

Assignment not required, because it will be done by dealer team / CASE official during mapping the unit with SITEWATCH, before the unit commission.

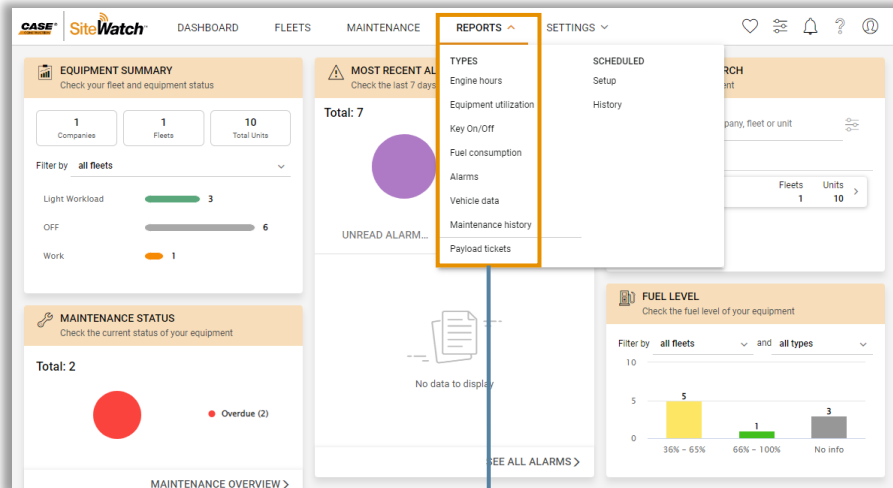
*That's why during assignment – Above Warning appears.

Reports

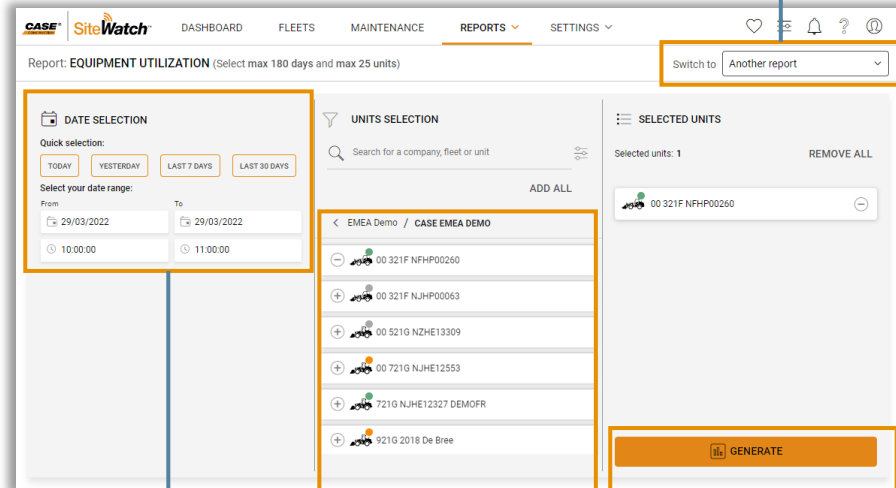


Reports

Easy creation of multiple machine reports which can be exported to excel.



1.
Select a report



2.
Select a period

3.
Select a machine

4.
Click Generate

5.
Switch to
other report

Reports

Engine Hours

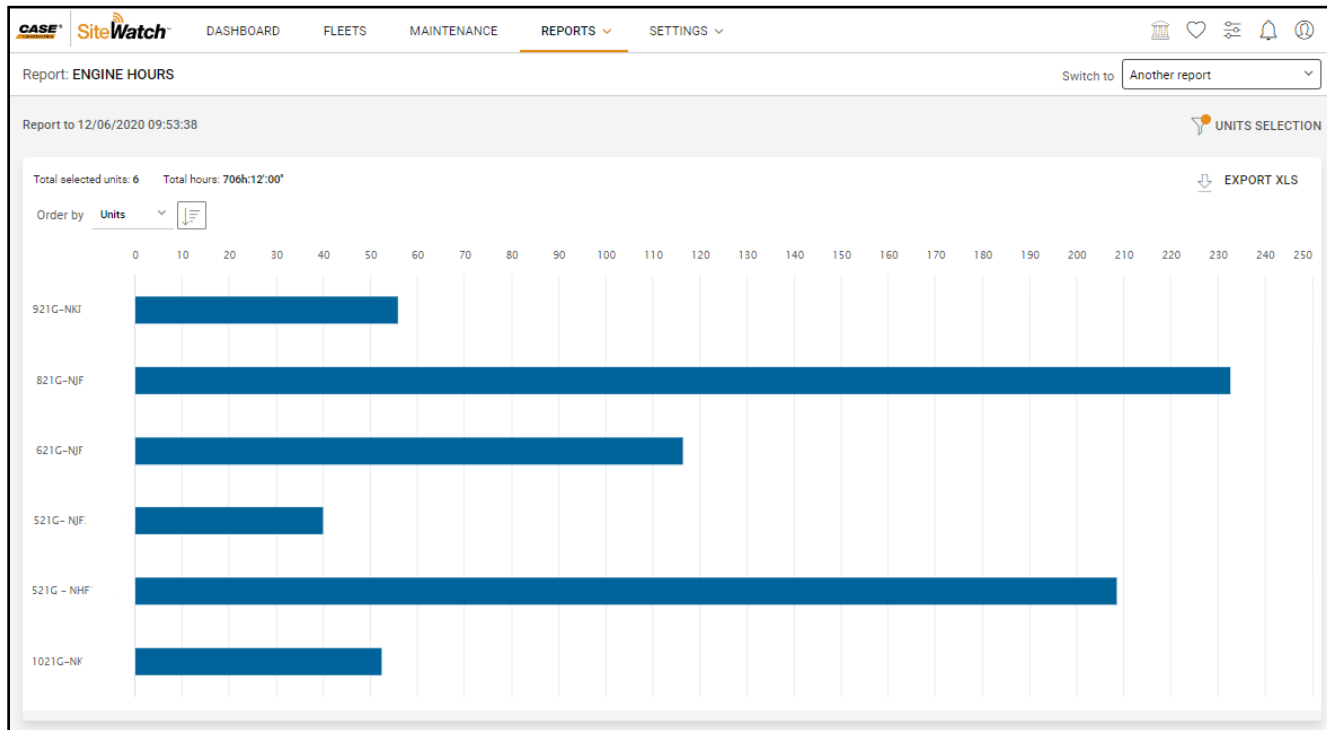
Select machines
Select period



Receive current
machine hour of
the fleet



Supports decision
making about
assets /
maintenance



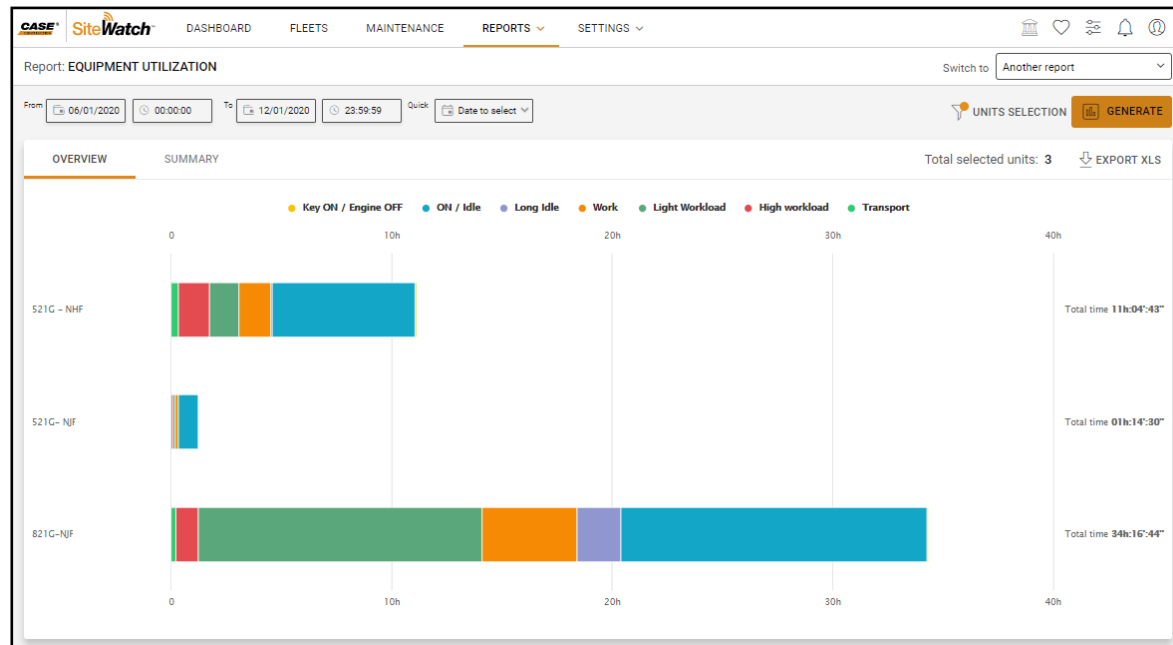
Reports

Equipment Utilization

Select machines
Select period

Receive utilization
report with detailed
status information

Use for decision
making



- Utilization may be low → can it be moved to different site?
- High idle percentage → can the process be optimized, is it operator behaviour?

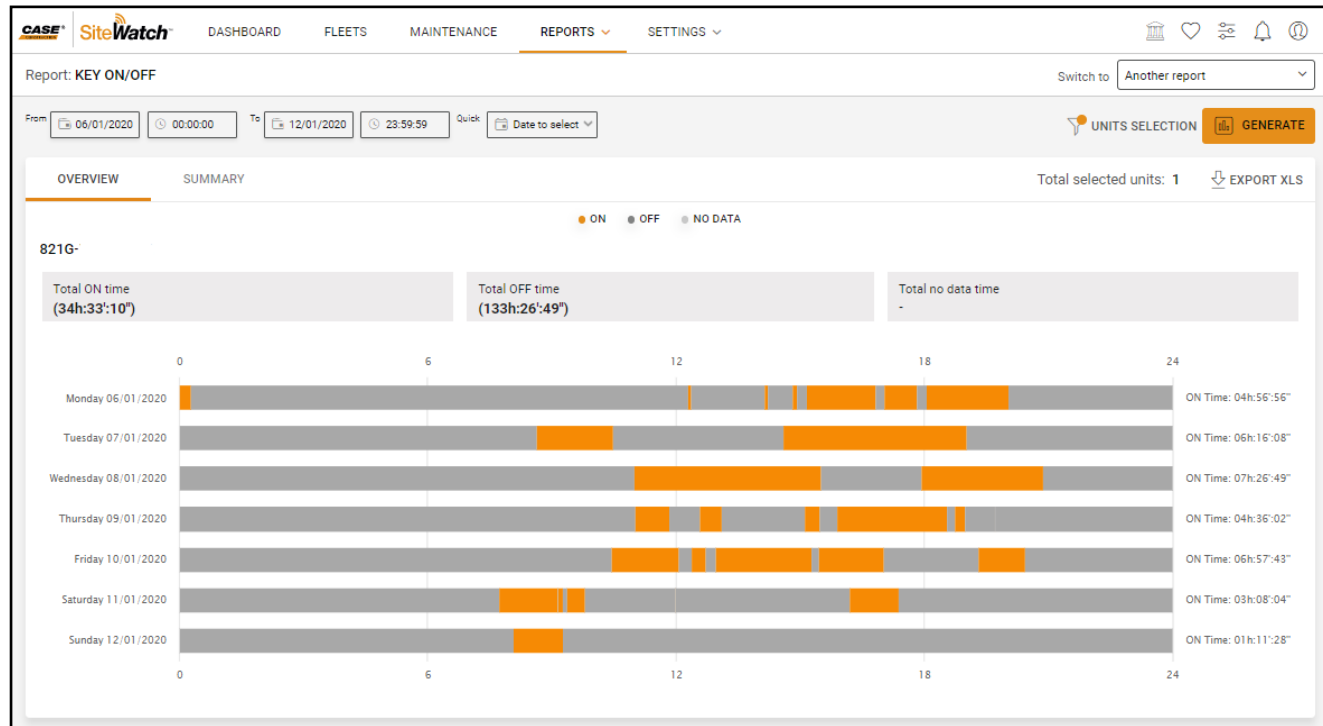
Reports

Key ON/OFF

Select machines
Select period

Receive active
time

Make your
conclusion



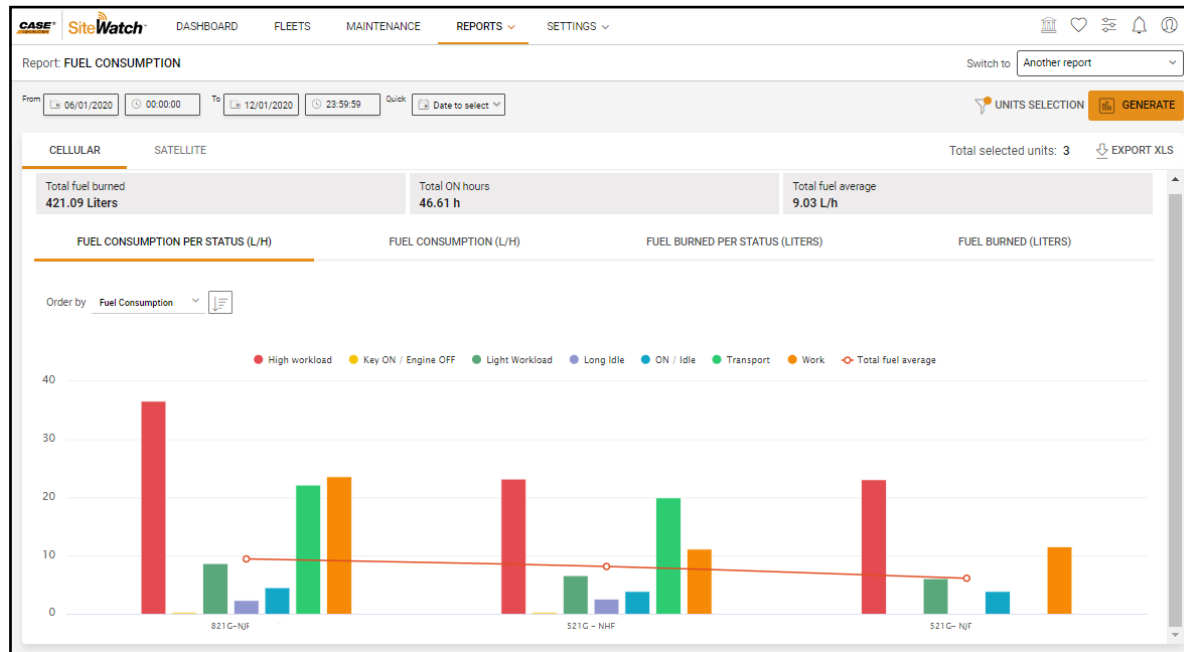
Reports

Fuel Consumption

Select machines
Select period

Receive fuel report
with consumption
in each status

Use for decision
making



- Does the machine needs to work in high performance mode?
- How does a machine compare with other machines?

Reports

Alarms

Select machines
Select period



Receive alerts
(curfew, geofence,
health) of the fleet



Indication for
issues

The screenshot shows the SiteWatch interface for the 'REPORTS' section, specifically the 'ALARMS' report. The report is generated for the period from 06/01/2020 00:00:00 to 12/01/2020 23:59:59. The report displays a table of alarms with columns for Severity, Read, Unit, Type, Alarm key, and N° of alarms. The first alarm is a LOW severity alarm (E1) for unit 521G - NHF, with a DM1 type. Below this, there is a detailed view of the alarm, showing the text 'Subsided on 08/01/2020 08:07:41 - SA: VCM, DTC: 518133-3, lamp: Red, desc: Short to Power at Bucket Dump Valve High Side Driver, OC: 1' and the received time '08/01/2020 07:55:44'. The report also includes a 'VIEW ON MAP' button and an 'EXPORT XLS' button.

Severity	Read	Unit	Type	Alarm key	N° of alarms
LOW		521G - NHF	DM1	E1	1

Text	Timestamp	Received time	View on map
Subsided on 08/01/2020 08:07:41 - SA: VCM, DTC: 518133-3, lamp: Red, desc: Short to Power at Bucket Dump Valve High Side Driver, OC: 1	08/01/2020 07:55:04	08/01/2020 07:55:44	

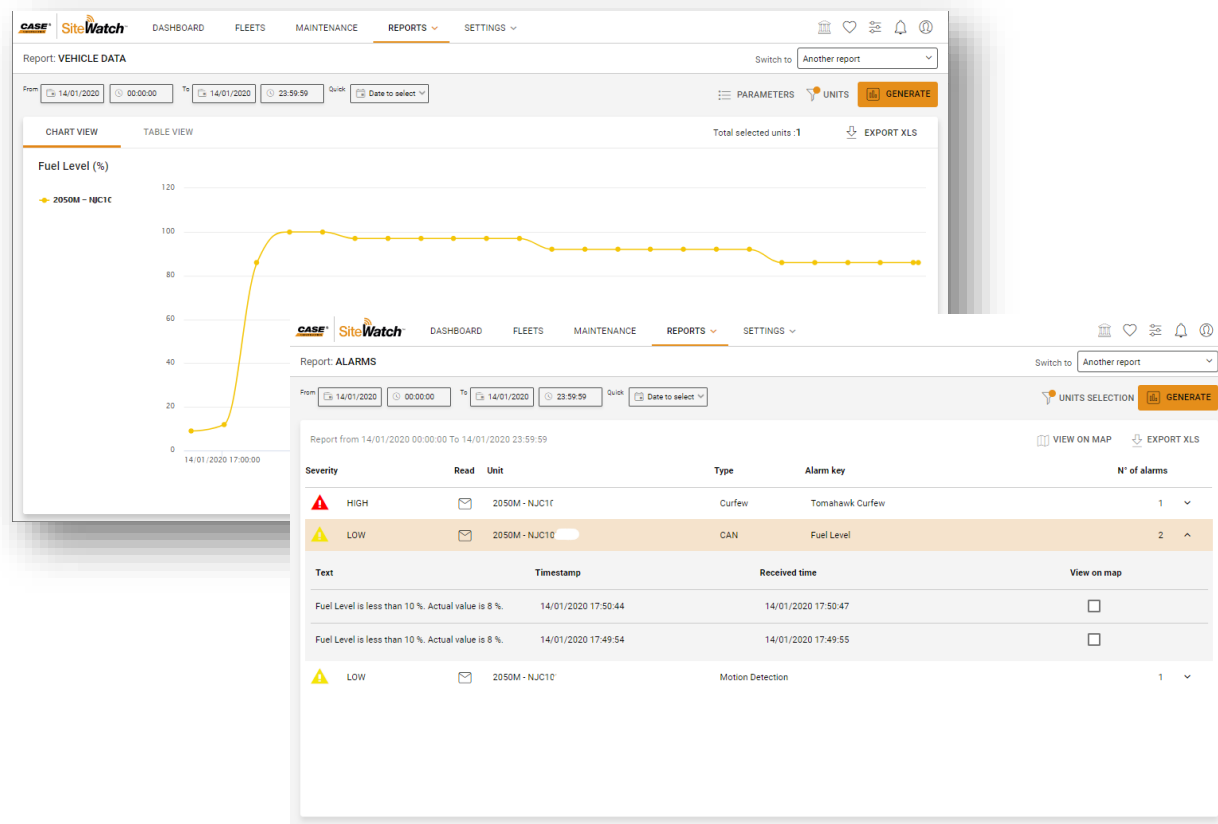
Severity	Read	Unit	Type	Alarm key	N° of alarms
HIGH		821G-NJF	Curfew	Tomahawk Curfew	11
LOW		821G-NJF	Motion Detection		11

Reports

Vehicle Data

When do I need to refill Ad Blue or fuel?

SiteWatch collects fuel levels which can be checked instantly. Alerting messages can be sent on a minimal fuel or Ad-Blue level.



Reports

Maintenance History

Select machines
Select period



Receive
Maintenance
history (close OR
start) of the fleet



Use for decision
making

CASE SiteWatch DASHBOARD FLEETS MAINTENANCE **REPORTS** SETTINGS

Report: **MAINTENANCE HISTORY** Switch to: Another report

From: 26/02/2023 00:00:00 To: 04/03/2023 23:59:59 Quick: Date to select

UNITS SELECTION GENERATE

Report from 26/02/2023 00:00:00 To 04/03/2023 23:59:59 EXPORT XLS

Unit name	Company	Action	Interval	Engine hours / Mileage at action	Date	Mechanic name	Cost	Notes
NKJ22CLMVMKA 00259	ANISUR RAHMAN	close	10 h	1283.92 h	01/03/2023			
NKJ22CLMVMKA 00259	ANISUR RAHMAN	start	10 h	1283.92 h	01/03/2023			
NKJ22CLMVMKA 00259	ANISUR RAHMAN	undo start	1000 h	h	01/03/2023			
NKJ22CLMVMKA 00259	ANISUR RAHMAN	undo start	10 h	h	01/03/2023			
NKJ22CLMVMKA 00259	ANISUR RAHMAN	start	10 h	1283.87 h	01/03/2023			

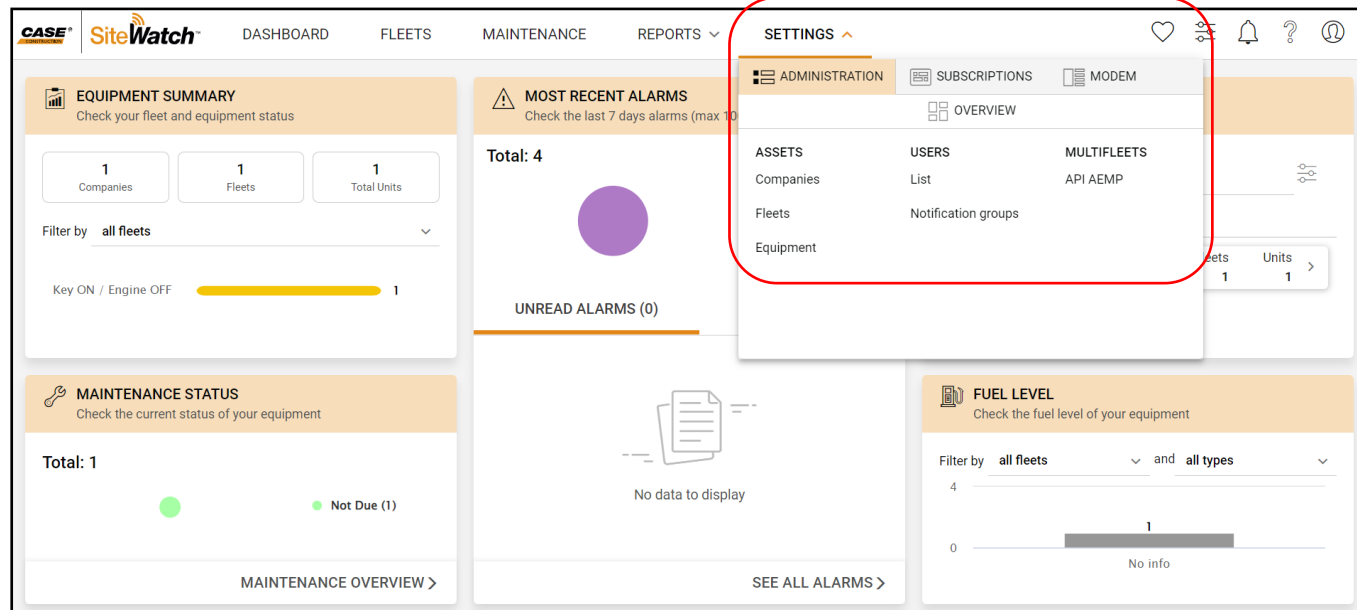
Settings



Settings

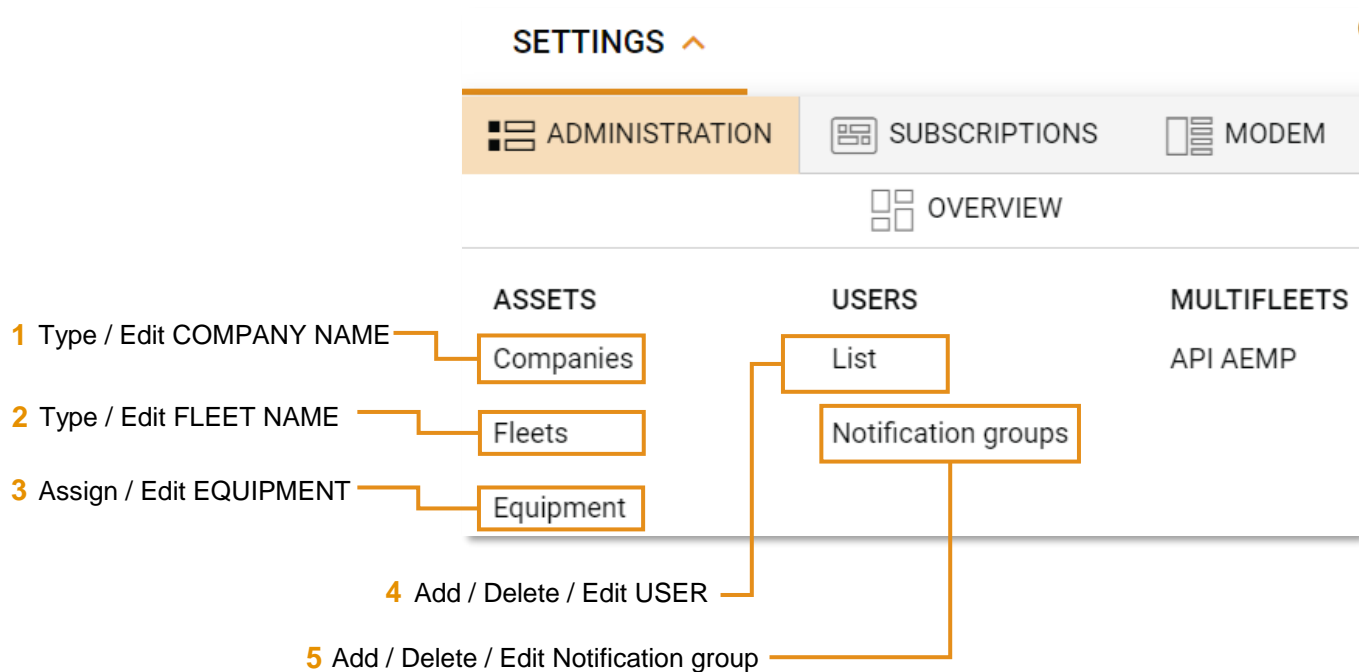
Allows user to do settings on:

- Administration
- Subscriptions
- Modem



Settings

Administration



Settings

Subscriptions

1 Check Subscription Status

SETTINGS ^



ADMINISTRATION



SUBSCRIPTIONS



MODEM

STATUS

Expiration

CASE SiteWatch DASHBOARD FLEETS MAINTENANCE REPORTS ▾ SETTINGS ▾

You are in SUBSCRIPTIONS / STATUS / EXPIRATION

EXPIRATION

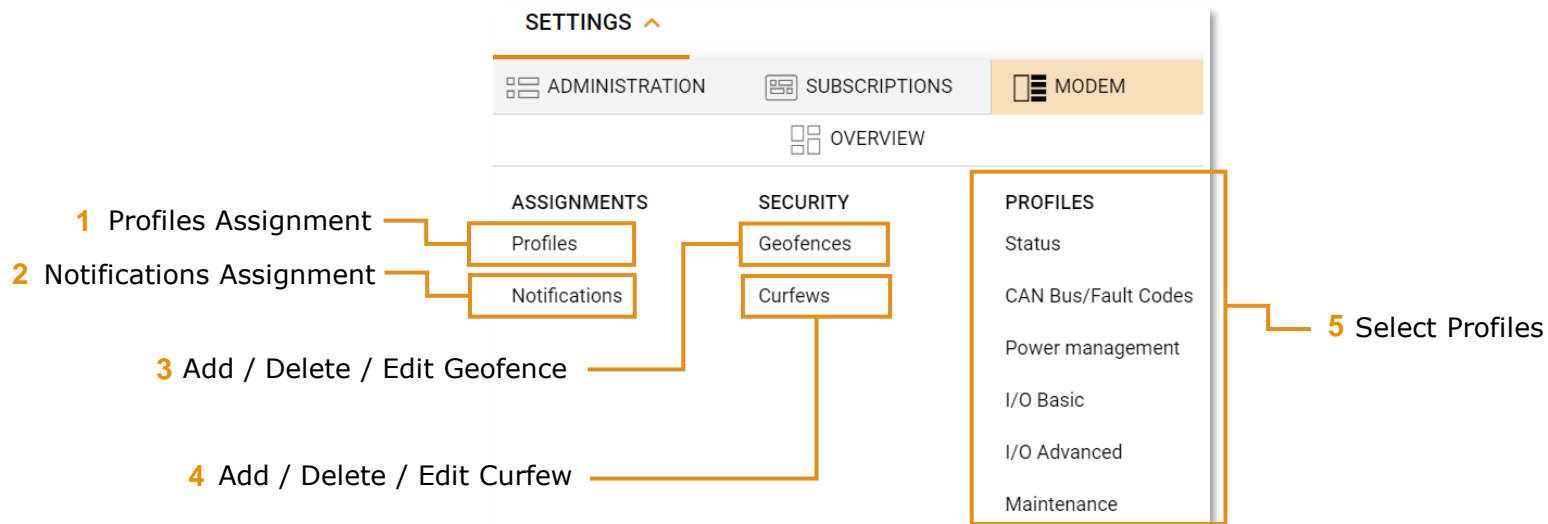
Search

EXPORT XLS

Equipment name	Device S/N	Equipment S/N	Company	Subscription	Start date	Expiration
NKJ22CLMVMKA00259	1223-0901964D	NKJ22CLMVMKA00259	ANISUR RAHMAN	Advanced Plan-2Year	24/03/2022	24/03/2024

Settings

Modem



Backup