HAAS Machine Monitoring

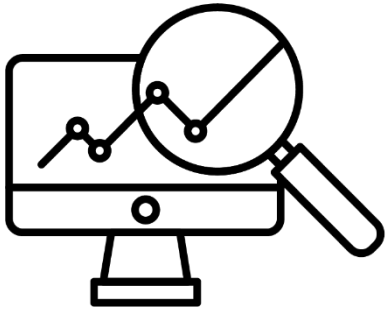
Online Machine Monitoring with Proemion

Telematic data receiving and analysing

The HAAS Tracking Portal is the easiest way to get all telematic data of the HAAS shredder onto the screen. The system allows access from any PC, tablet or smartphone connected to the Internet, anywhere in the world.

You can check performance, status and operating data of each machine in a compact way, from the start of operation to the present moment.

Online Machine Monitoring with Proemion



LIVE

Live Data Access – Customized for:

- **Manufacturers**
- **Dealers**
- **and Customers**

Introduktion

With the Proemion Data Portal,
you can monitor your machines worldwide in real time.

The cloud-based system provides transparent insights – for us, our dealers and our end customers.

Additional Benefits:

- **Early Error Detection**:
  Potential faults or maintenance needs can be proactively identified and resolved before downtime occurs.

- **Efficient Service Planning**:
  Operating data supports the optimization of service tasks and minimizes machine downtime.

- **Data-Driven Decisions**:
  Comprehensive analytics and reports enable well-informed decisions for machine optimization and fleet management.

What is Proemion?

- Proemion is a powerful platform for real-time machine monitoring.
- Key data is transmitted directly from the machine to the portal via cellular connectivity or telematics hardware – enabling instant insights anytime, anywhere.

- The portal provides a detailed overview of key machine parameters, including:
  - Operating hours
  - Temperature / RPM
  - Error codes
  - GPS location
  - Service intervals

Access to the Portal

The following information is required for portal access:

- First name
- Last name
- Email adress

Please send to: service@haas-recycling.de
or directly to your designated HAAS contact.
Once the information is received, the customer will automatically receive an invitation email from the system.

Activation Process:

1. Click the link in the invitation email
2. Open the portal login page
3. Set your personal password
4. Access the system directly

After successful registration, the customer can view live data, generate reports, and receive notifications based on their access rights.

https://dataportal.proemion.com/dashboards

User rolls & Access

Machine manufacturer: Has access to all machines worldwide

Dealer A: Sees all machines they have sold or are responsible for, including their customers' machines

Customer B: Sees only their own machines, possibly limited by location or user role

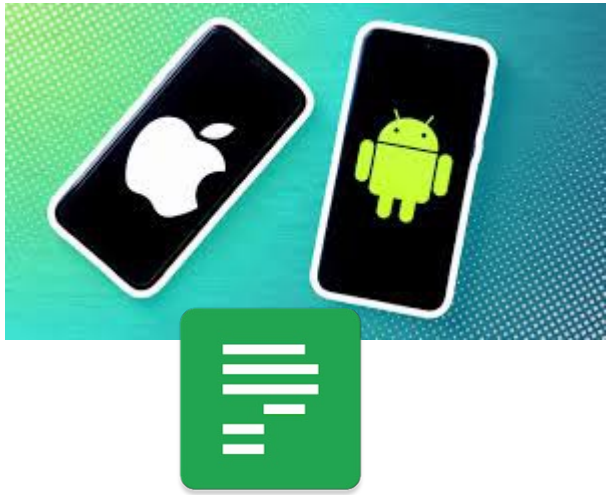
- **Advantage:**
  - **Scalable role structure** – Each user sees only what is relevant to them
  - **Data security & confidentiality** – Sensitive information is protected at every access level
  - **Clearly defined responsibilities** – Efficient support and targeted analysis through role-based access rights

Active Use & Ongoing Development Since 2012

- Online monitoring has been used by HAAS **since 2012**, initially with the mobile TYRON
- Today, the system is also implemented in the stationary **TYRON and in the mobile ARTHOS** shredder.
- Both stationary and mobile machines can now be monitored **in real time through one unified global system.**

Key Benefits

- **Unified Monitoring** – Mobile and stationary machines are monitored via a central system
- **Optimised Fleet Overview** – Entire machine groups can be compared and analyzed across locations
- **Increased Asset Protection** – Continuous monitoring extends machine lifetime and improves operational reliability
- **Now also available as a mobile app** – Use on Android or iOS device



eSIM – Data contract included

The latest modems with integrated eSIM technology enable:

- 🚫 **No separate mobile contract required**
- 📶 **Data plan included directly in the device**
- 🌍 **Global use thanks to roaming capability**
- 📡 Country-specific usage tracking available
- ⚙️ **Simple setup and commissioning**
- 💻 **Access anytime, anywhere**
  - Via PC, laptop, tablet, or smartphone

Dashboard Types in the Portal

There are two types of dashboards in the DataPortal:

Organisation-Based Dashboards
Overview of all machines within an organisation
– ideal for manufacturers or dealers.

Model-Based Dashboards (Machine Page)
Detailed view
for specific machine types with customisable widgets.

- **Both dashboard types can be fully customized and adapted to the respective user roles.**

Reporting & Analyse

The Proemion Portal offers extensive reporting capabilities

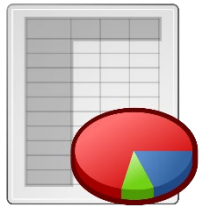
- Time filters (relative or absolute)
- Grouping by machine or model
- Selection of signals and key metrics
- Charts: Time series, scatter plots, and bubble charts
- Export as CSV oder XLSX

Ideal for maintenance planning, troubleshooting, and long-term analysis.

Search & Machine Overview

- **Global search** by machine name, serial number, model, organisation, and more

- **World map view** with clustering for machines in close proximity



- **Filterable table view** with the following information:
  - Online/offline status
  - Model and serial number
  - Last contact and latest data transmission
  - Maintenance status and location

<u>Enables quick access and a clear overview – even for large fleets.</u>

HAAS - Dashboard-Overview

HAAS Recycling-Systems

- Dashboard
- Machines
- Reports
- Events
- Assignments

Leave Feedback

pro 11.1.1545

Dashboard

DASHBOARD / HAAS GMBH - ANSICHT

Organization

Dashboard configuration *

Startseite Haas

REFRESH

MACHINES	USERS
168	146

COMMUNICATION UNITS	MODELS WITH MACHINES
168	12

ALL MODELS	ORGANIZATION UNITS
15	102

MACHINE MAP
LAST LOCATION

☑ Online ☐ Realtime ☑ Offline

NEW MACHINE LIST

Search table

Name	Model	Organization	Motorstunden	Automatikstunden	Servic
33.876 - VAMA ECOLOGY SRL - HYBRID - 7/7/4	TYRON 2000 XL - Hybrid	VAMA	17 h 04/16/2025 16:44	12 h 04/16/2025 16:44	33 h 04/16/20

Detailed View of a Machine

HAAS Recycling-Systems

Machines

MACHINES / TYRON 2000 XL 2.0 CR1102 / 33.979 - BIFFA GLASGOW / CRJ - SCANIA DC 09: 7440389 - 7/7/4

Dashboard configuration *

TYRON 2000 XL - 2.0 New Edition 2022

MANAGE MACHINE REFRESH

MACHINE ERRORS	SPN - ENGINE ERRORS	ENGINE HOURS	SERVICE HOURS
NO ERROR	NO ENGINE ERROR	138 h	112 h

DPF STATUS	FMI - ENGINE ERROR	AUTOMATIC HOURS	TRACK HOURS
0 DPF	NO ERROR	92 h	3 h

ONLINE - LAST CONTACT 04/23/2025 15:27

33.979 - Biffa Glasgow / CRJ - SCANIA DC 09: 7440389 - 7/7/4

Share location

DETAILS LOCATION

Machine info

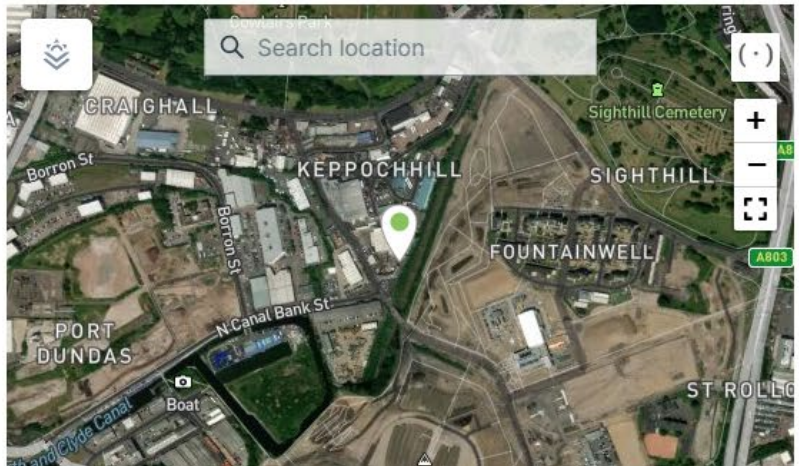
Organization: BIFFA Glasgow

Model: TYRON 2000 XL 2.0 CR1102

Serial number: 867929063138137

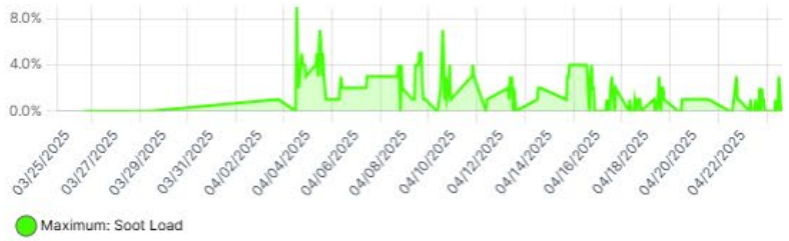
MACHINE MAP

LAST LOCATION



SOOT LOAD

LAST 30 DAYS MAXIMUM



ASH LOAD - LAST 30 DAYS

LAST 30 DAYS MAXIMUM

HOUR HISTORY LAST MONTH

CURRENT MONTH SERIAL DIFFERENCE

Detailed View of a Machine

HAAS Recycling-Systems

Machines

MACHINES / TYRON 2000 XL 2.0 CR1102 / 33.979 - BIFFA GLASGOW / CRJ - SCANIA DC 09: 7440389 - 7/7/4

Dashboard configura

TYRON 2000 X

MACHINE ERRORS	SPN - ENGINE ERRORS	ENGINE HOURS	SERVICE HOURS
NO ERROR	NO ENGINE ERROR	138 h	112 h

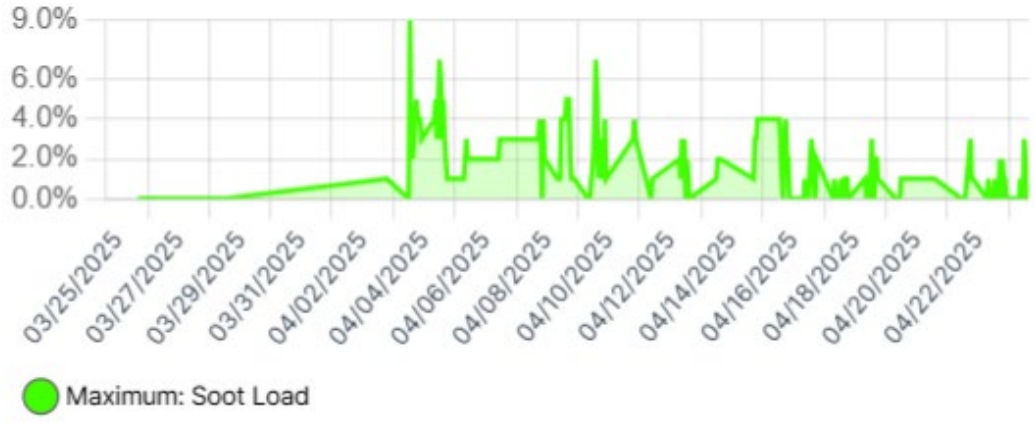
DPF STATUS	FMI - ENGINE ERROR	AUTOMATIC HOURS	TRACK HOURS
0 DPF	NO ERROR	92 h	3 h

Detailed View of a Machine

HAAS Recycling-Systems

SOOT LOAD

LAST 30 DAYS MAXIMUM

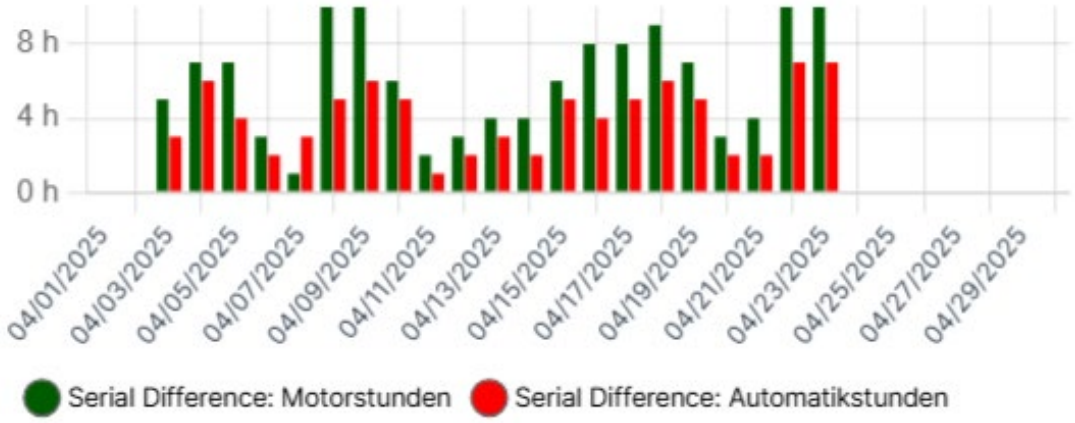


ASH LOAD - LAST 30 DAYS

LAST 30 DAYS MAXIMUM

HOUR HISTORY LAST MONTH

CURRENT MONTH SERIAL DIFFERENCE

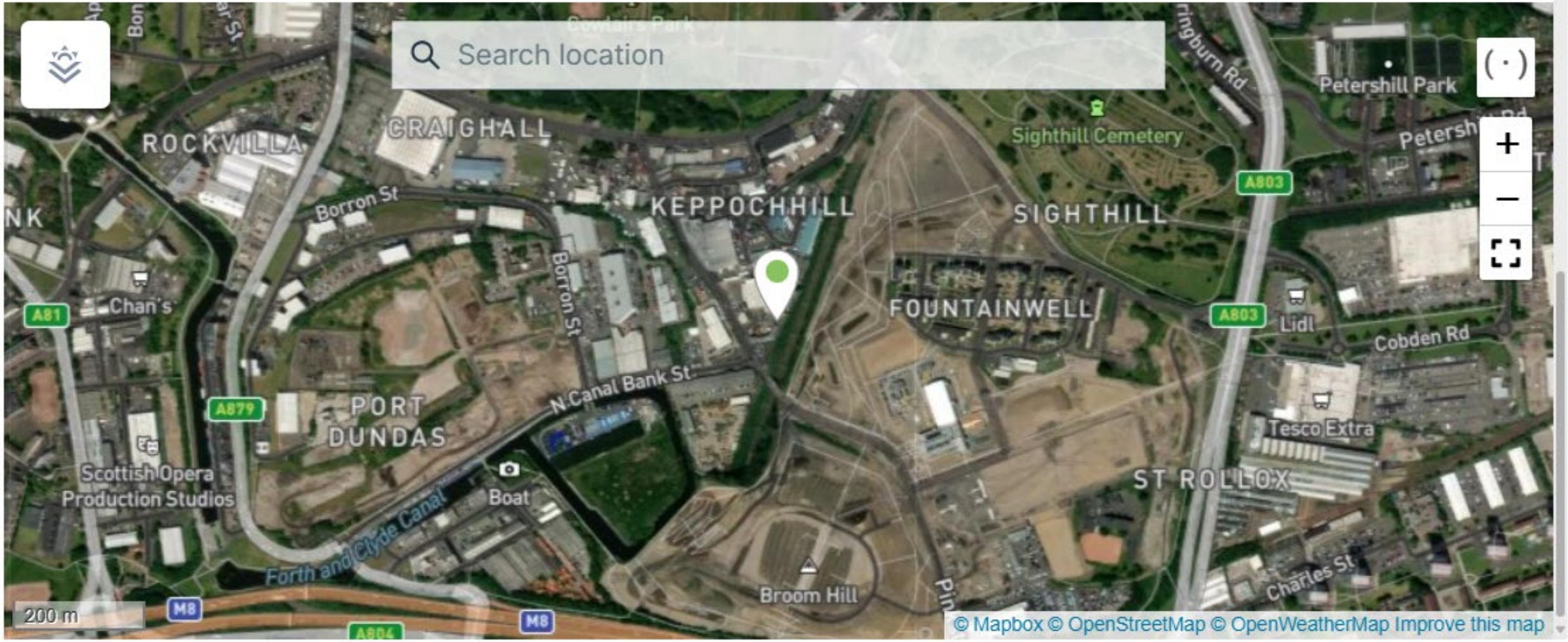


Detailed View of a Machine

HAAS Recycling-Systems

MACHINE MAP

LAST LOCATION



Detailed View of a Machine

HAAS Recycling-Systems

Machines

MACHINES / TYRON 2000 XL 2.0 CR1102 / 33.979 - BIFFA GLASGOW / CRJ - SCANIA DC 09: 7440389 - 7/7/4

Dashboard configuration *

TYRON 2000 XL - 2.0 New Edition 2022

MANAGE MACHINE REFRESH

ENGINE

Signal	Last Updated	Value
Regenerationsstatus	04/23/2025 15:26:13	15 State
AdBlue Level	04/23/2025 15:26:13	47%
Aktueller Kraftstoffverbrauch	04/23/2025 15:26:13	34 l
Ash Load	04/23/2025 15:26:13	2%
DPF Status	04/23/2025 15:26:13	0 DPF
Diesel Level	04/23/2025 15:26:13	68%
Drehzahl	04/23/2025 15:26:13	1724 1/min
Fehler	04/23/2025 15:26:13	0 Nr.

FUEL LEVEL

68%

ADBLUE LEVEL

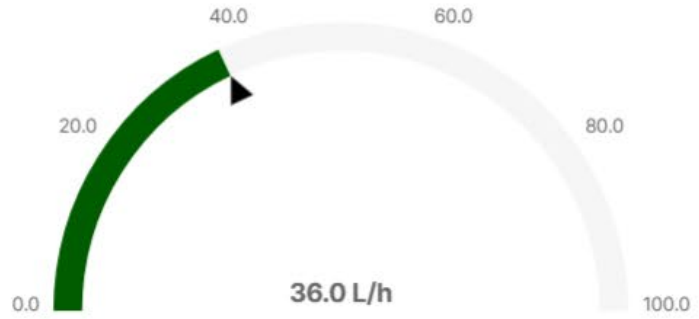
47%

HYDRAULIC OIL LEVEL

69%

FUEL AVERAGE

LAST VALUE



MOTOR OIL LEVEL

102%

SETTINGS

Signal	Last Updated	Value

Detailed View of a Machine

HAAS Recycling-Systems

SETTINGS

Signal	Last Updated	Value
Fahrwerk Langsam	04/23/2025 15:26:13	40%
Fahrwerk Schnell	04/23/2025 15:26:13	60%
Programm	04/23/2025 15:26:13	13 Nr.
Reversierzeit_1	04/23/2025 15:26:13	4000 s
Reversierzeit_2	04/23/2025 15:26:13	3000 s
Software Display	04/23/2025 15:26:13	2000006 V:
Software Steuerung	04/23/2025 15:26:13	2000006 V:

Showing 1 - 7 of 7 items

Detailed View of a Machine

Machines

MACHINES / TYRON 2000 XL 2.0 CR1102 / 33.979 - BIFFA GLASGOW / CRJ - SCANIA DC 09: 7440389 - 7/7/4

Dashboard configuration *

TYRON 2000 XL - 2.0 New Edition 2022

MANAGE MACHINE REFRESH

SHAFT SPEED + PROGR.

Signal	Last Updated	Value
Programm	04/23/2025 15:26:13	13 Nr.
Geschwindigkeit Welle 1 Schritt 1	04/23/2025 15:11:11	85%
Geschwindigkeit Welle 1 Schritt 2	04/23/2025 15:11:11	75%
Geschwindigkeit Welle 1 Schritt 3	04/23/2025 15:11:11	85%
Geschwindigkeit Welle 1 Schritt 4	04/23/2025 15:11:11	75%
Geschwindigkeit Welle 1 Schritt 5	04/23/2025 15:11:11	0%
Geschwindigkeit Welle 1 Schritt 6	04/23/2025 15:11:11	0%
Geschwindigkeit Welle 1 Schritt 7	04/23/2025 15:11:11	0%

ADBLUE LEVEL

LAST 7 DAYS MAXIMUM

DIESEL LEVEL

LAST 7 DAYS MAXIMUM

Contract Overview – Machine Assignment and Durations

Dashboard
Machines
Reports
Events
Assignments
Settings
Fleet Distribution

Machine Contracts

SETTINGS / ADMINISTRATION / MACHINE CONTRACTS

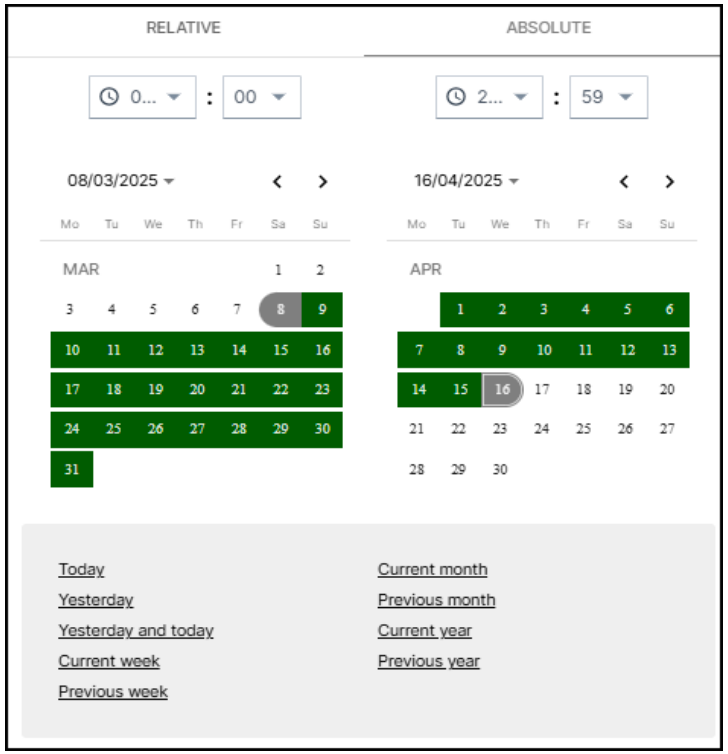
ALL CONTRACTS | SOON TO EXPIRE (7) | EXPIRED (12)

Search table

End | Renewal Date	Deletion Date	Contract State	CU - State	Machine Name	Machine Model	Serial	Machine Location	Organization Unit
26/02/2027		Active	Live	33.998 - Veolia / CRJ - 7/7/4	TYRON E CR1102	867929067731432	United Kingdom	Veolia Padworth
20/03/2027		Active	Live	33.990 - Biffa St. Hellens / CRJ - SCANIA DC 09: 7442013 - 7/7/4	TYRON 2000 XL 2.0 CR1102	867929063085122	United Kingdom	Biffa St Helens
17/02/2027		Active	Live	33.988 - Röhrtaler Wertstoff GmbH - Hackenlift Elektro - 9/9/4	TYRON 2000-E XL - 2.0	867929063136255	Germany	Röhrtaler Wertstoff GmbH
29/01/2027		Active	Live	33.984 - Stadt Wien / Huber - SCANIA DC 09: 7442372 - 9/9/4	TYRON 2000 XL 2.0 CR1102	867929067847907	Austria	Huber Recycling GmbH
20/03/2027		Active	Live	33.983 Biffa Newcastle / CRJ - SCANIA DC: 7444317 - 7/7/4	TYRON 2000 XL 2.0 CR1102	867929063087557	United Kingdom	Biffa Newcastle
03/02/2027		Active	Live	33.980 - Mac Insular / TGMM - 7/7/4 - SCANIA DC 09: 7441006	TYRON 2000 XL 2.0 CR1102	867929063207254	Spain	Mac Insular
13/02/2027		Active	Live	33.979 - Biffa Glasgow / CRJ - SCANIA DC 09: 7440389 - 7/7/4	TYRON 2000 XL 2.0 CR1102	867929063138137	United Kingdom	BIFFA Glasgow
30/10/2026		Active	Live	33.978 - PMH - SCANIA DC 09: 7393875	TYRON 2000 XL - 2.0 New Edition	865326066562417	Australia	Pacific Materials Handlin
15/12/2026		Active	Live	33.977 - TM Recycling - SCANIA DC 09: 7441188 - 7/7/4 - QC	TYRON 2000 XL 2.0 CR1102	867929063137931	Sweden	TM Recycling - SWEDEN
06/07/2025		Active	Live	33.975 (ex. 33.696) - SCANIA DC 09: 7301578 - 7/7/4 - QC - 04.02. bis 06.02. Th. Herbert	TYRON 2000 XL - 2.0 New Edition	352953083678015	Switzerland	HAAS Mietpark

- Overview of all active, soon-to-expire, and expired contracts
- Key details on runtime, cancellation status, and serial number (IMEI)
- Machine assignment to organisational units and locations
- Filter and search functions for fast and efficient evaluation

Custom Reporting Periods – Relative & Absolute



<u>The Proemion portal allows custom reporting periods to be defined – based on the evaluation objective:</u>

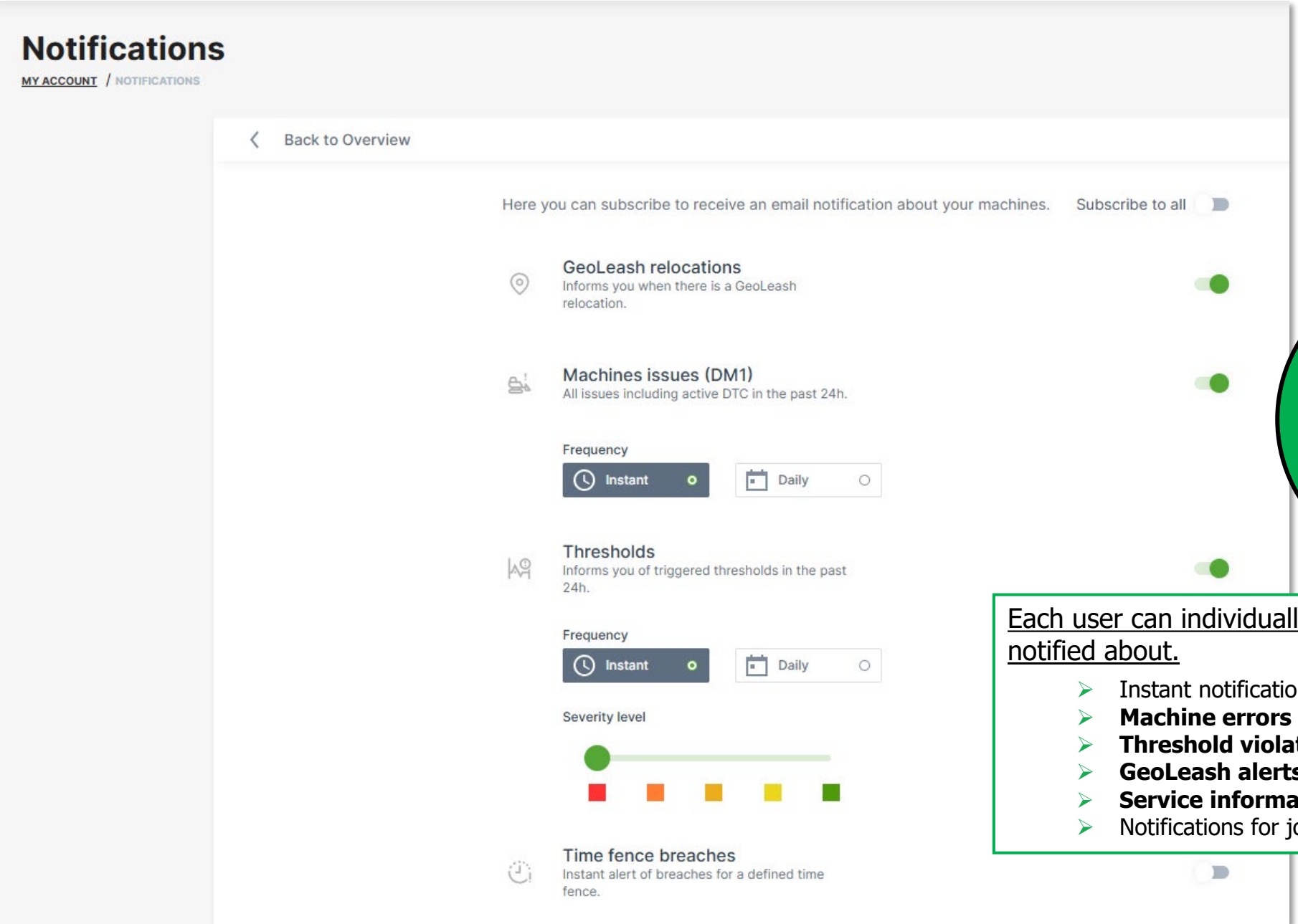
Relative Timeframe

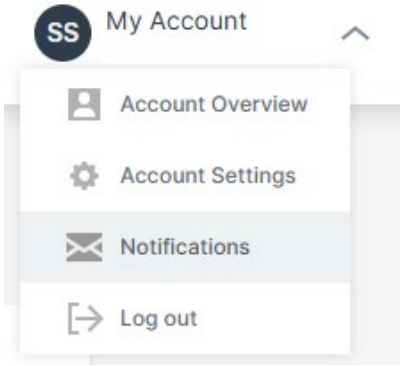
- Time ranges from seconds to years can be selected
- Ideal for recurring or short-term analyses (e.g. “last 15 minutes”, “last 7 days”)
- High flexibility thanks to freely selectable time values and unit

Absolute timeframe

- Precise selection of start and end date
- Suitable for targeted tracking or specific time periods (e.g. a certain week, month, or event timeframe)
- Calendar view with quick-select options such as “Today”, “Last Month”, “Current Year”, etc.

Custom Email Notifications





<u>Each user can individually define which events they want to be notified about.</u>

- Instant notifications or daily/weekly summaries
- **Machine errors (DM1)**, e.g. active faults or diagnostic codes
- **Threshold violations** with severity level classification
- **GeoLeash alerts** when leaving a predefined operating area
- **Service information**, e.g. upcoming maintenance intervals
- Notifications for job completion or time limit exceedance

Mobile Access via APP

The “Machine Companion App” provides mobile access to machines directly via smartphone.

Ideal for technicians, operators, and site managers – whether on-site or on the move.

Advantages:

- 📱 Live data access via app (e.g. operating hours, GPS location, error codes)
- 🔍 Easy machine search
- 🔧 Fast overview during faults or maintenance activities
- 📤 Machine can be released directly (if supported by the portal)
- 🌐 Available for Android & iOS

PROEMION

Portal Access:
https://dataportal.proemion.com/dashboards

Contact Requests:
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+49-2661-9865-0

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Dreisbach, Mai 2025