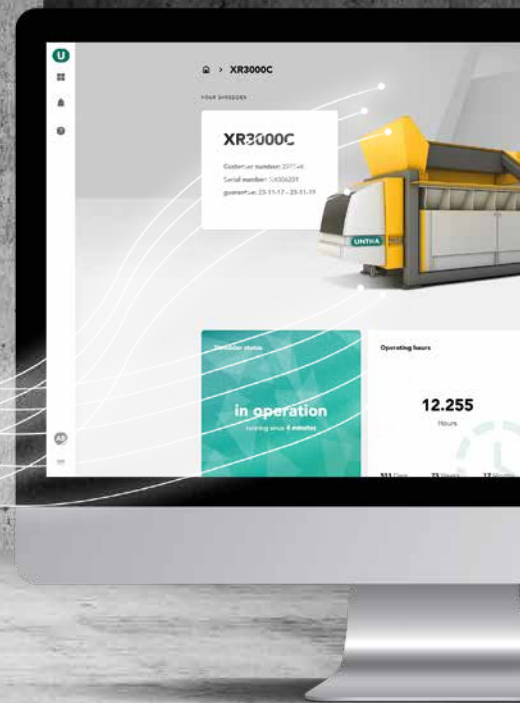


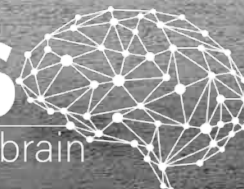
UNTHA

The reliable brand!



GENIUS

your shredder's brain



Condition monitoring tool for UNTHA shredders



UNTHA GENIUS: Your shredder's brain!

Maximise the productivity of your plant

UNTHA GENIUS is an intelligent condition monitoring tool for UNTHA shredders. With the help of reliable sensor technology, the operation of your machine is continuously monitored.

UNTHA GENIUS processes all your data in real-time, alerts you of any operational errors and sends notifications directly to your smartphone,

tablet or PC. With UNTHA GENIUS, you always have a complete overview of your UNTHA fleet.

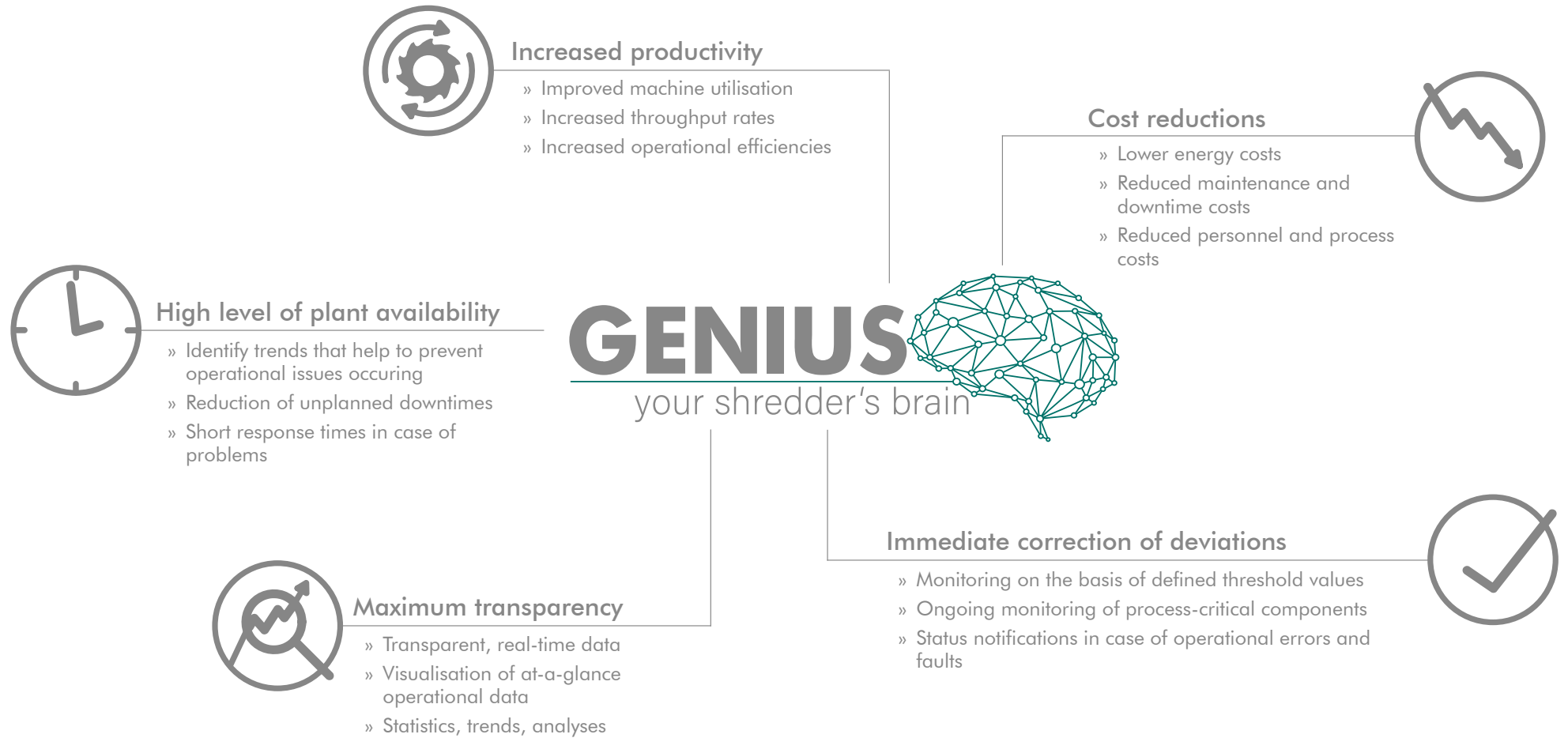
Make the most of this information on the basis of succinct and actionable real-time data to see if your production is running smoothly. The goal of UNTHA GENIUS is clear: to help you maximise the availability of your machines while minimising maintenance and downtime costs.

UNTHA GENIUS is much more than a standard

monitoring system – it is also a great analysis tool. Thanks to the long-term storage of process data, it is possible to define trends that constitute an ideal basis for optimisation in order to increase the cost-effectiveness of your plant at all times.

UNTHA GENIUS may be used with all UNTHA industrial shredders.

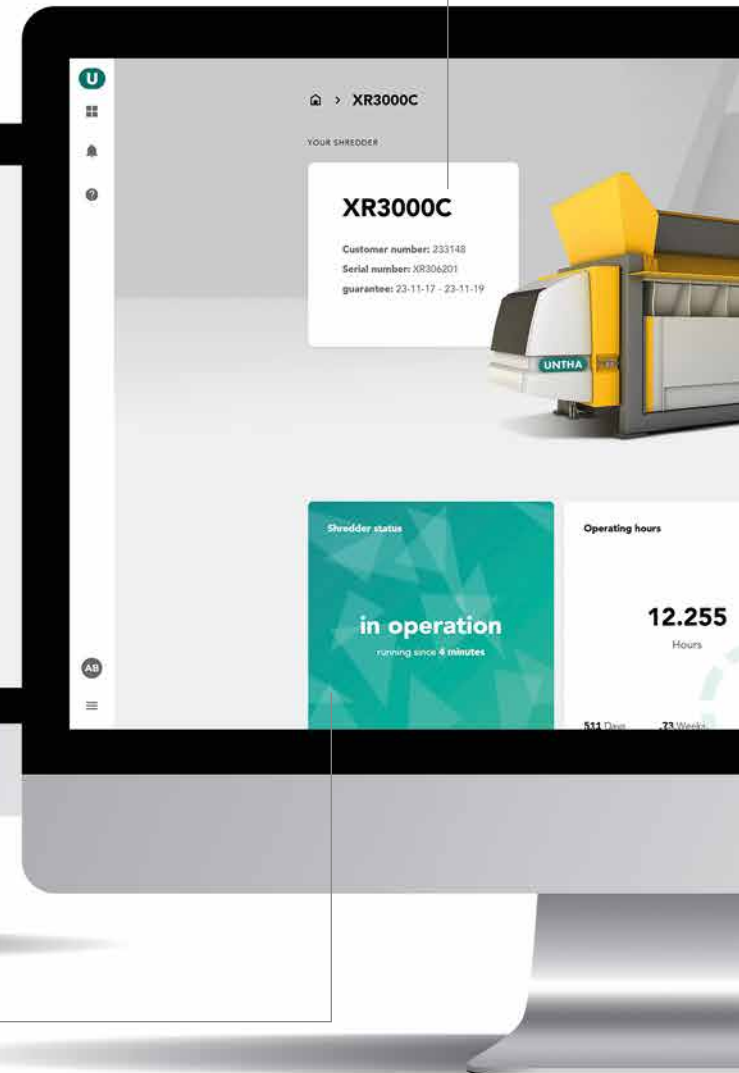
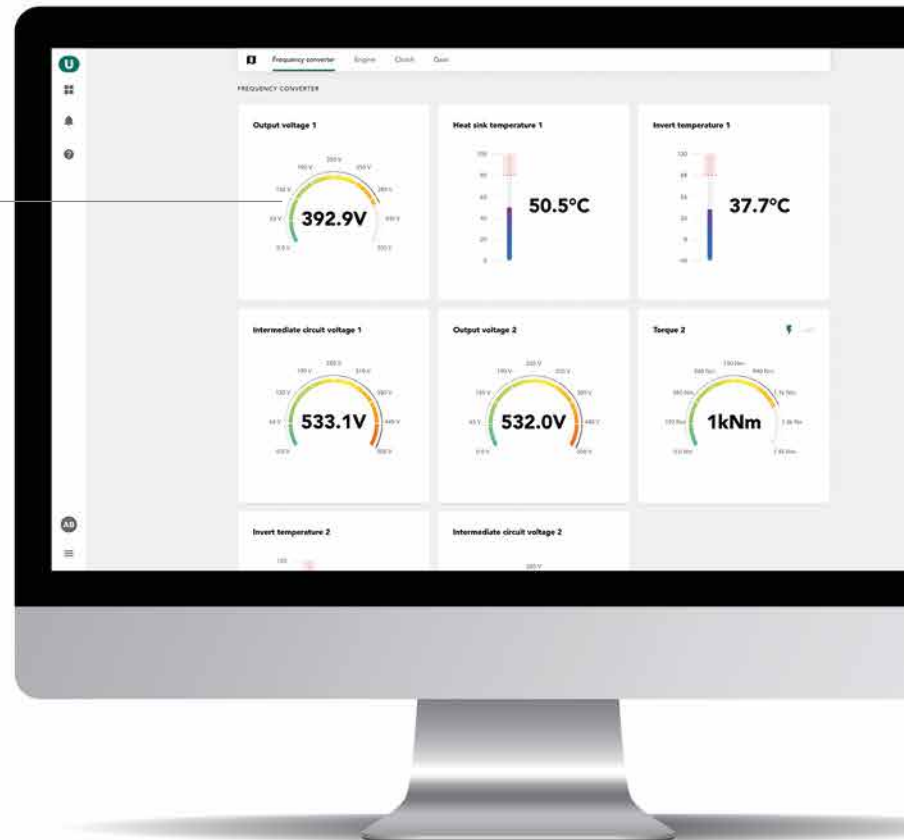
How will you benefit from **UNTHA GENIUS**



Stay in the loop **at all times!**

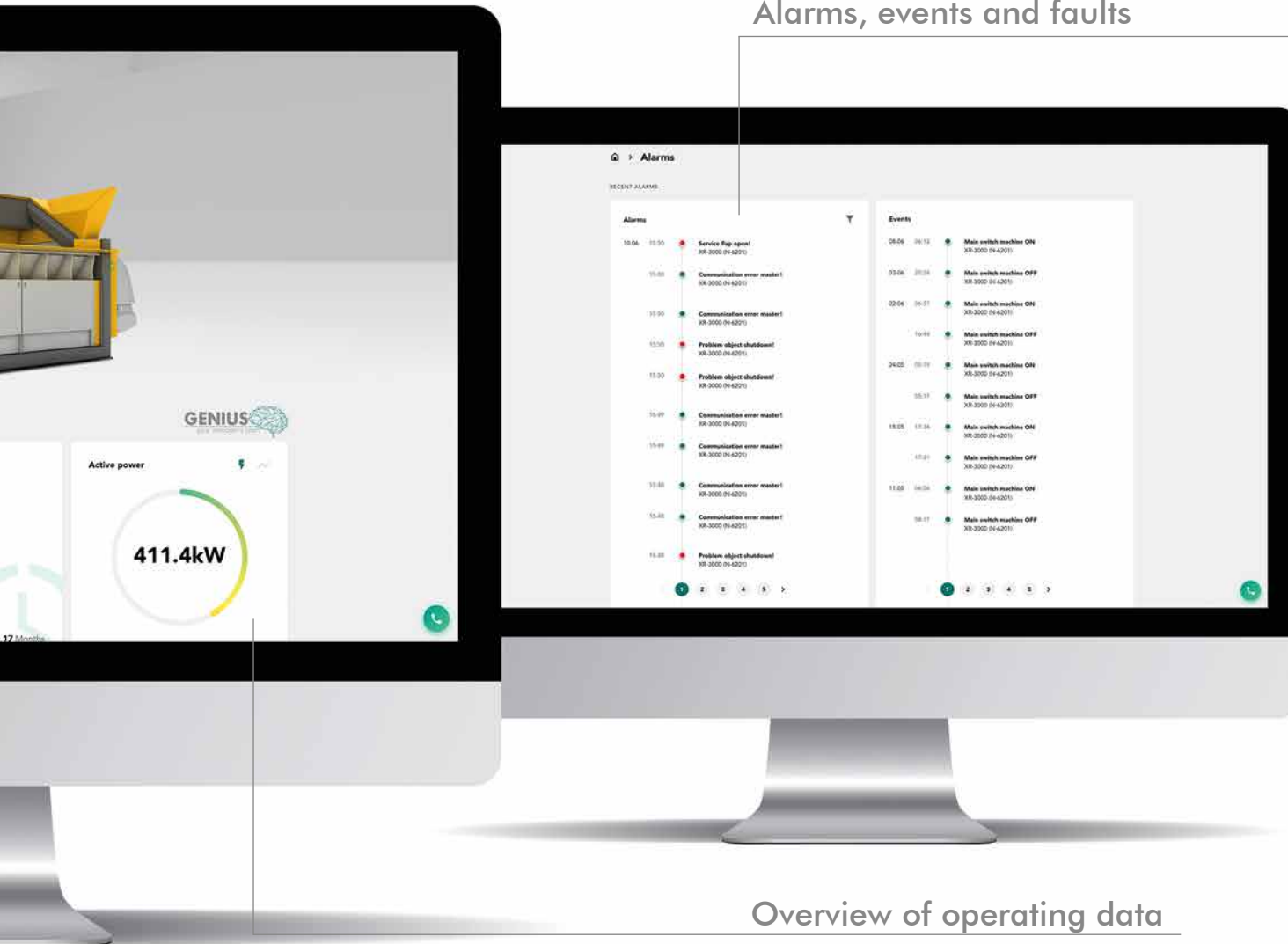
Your machine at a glance

Process data of individual components



Status display

Alarms, events and faults



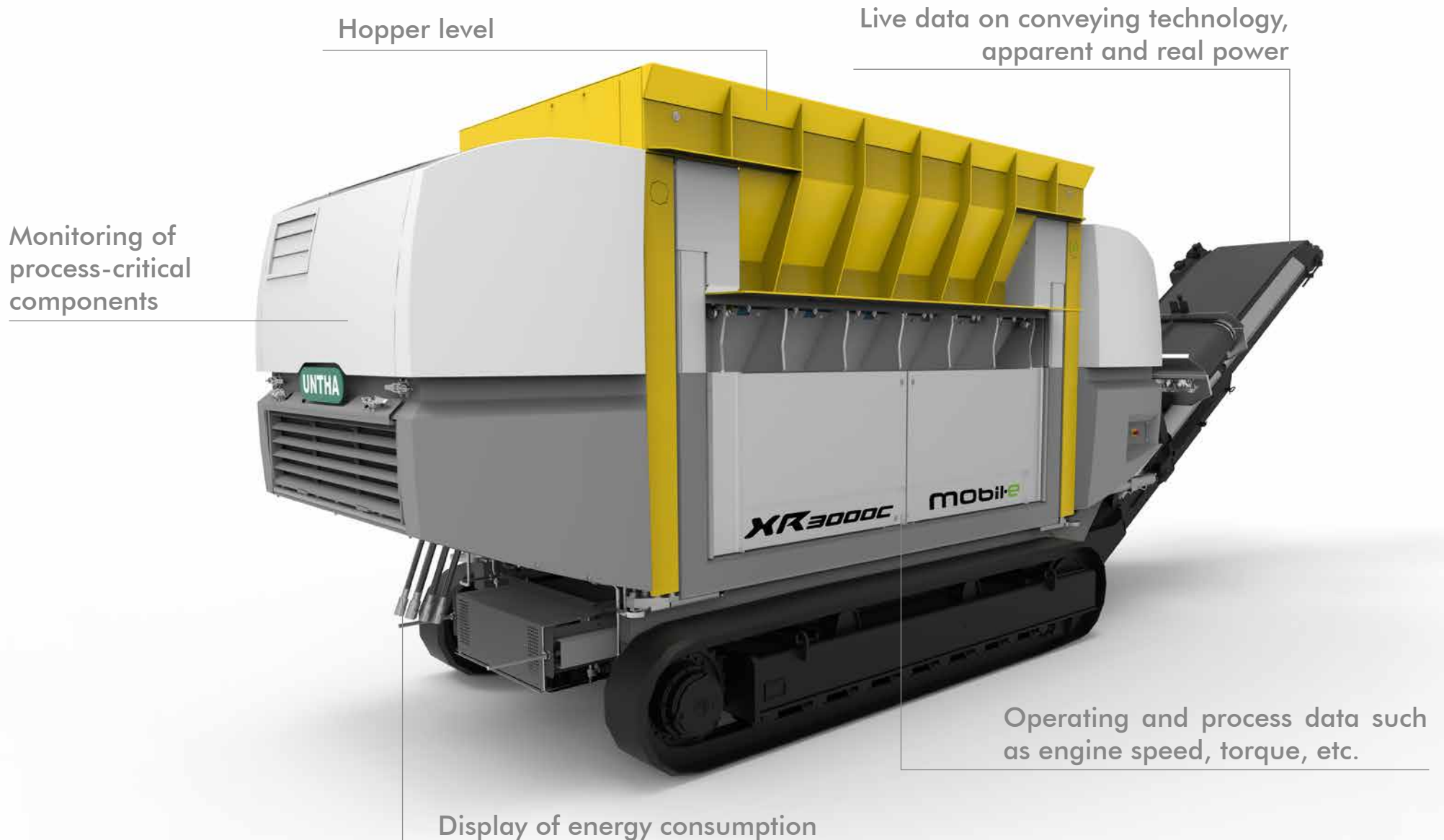
Overview of operating data

The following process data is displayed:

- » Cooling water temperature
- » Engine temperature
- » Oil temperatures
- » Electricity, energy and performance measurements
- » Display of energy costs
- » Level of efficiency of each aggregate
- » Network quality
- » Automated alerts when threshold values are exceeded
- » Machine utilisation
- » Data records storage (4 months maximum)
- » and much more

... up to 100 process values may be displayed!

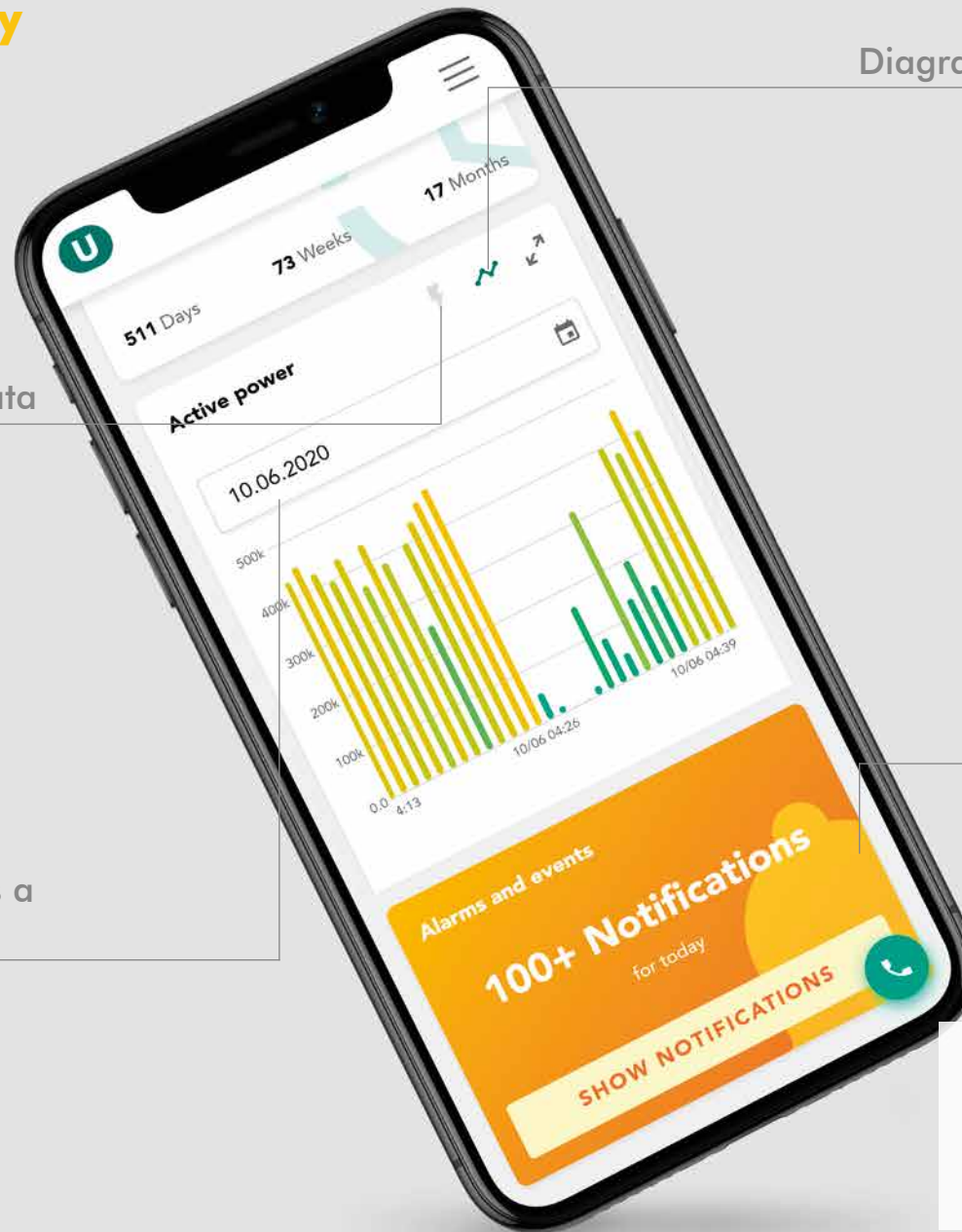
All the important machine data **available in real time**



Maximum **mobility**

Diagrams and statistics

Operating and process data



Alerts and events

Data analysis across a defined time period

With UNTHA GENIUS, you have all the information you need at your fingertips, at all times. From operating and process data to important alerts, you can access everything directly from your mobile phone.

System architecture and data security

With UNTHA, your data is in the best hands: UNTHA GENIUS fulfils the most stringent standards for data security and quality. With a safe end-to-end connection, the industry-strength UNTHA

Edge Device contains an integrated firewall and a Cloud server based in Germany to ensure maximum data protection. Access to the “My UNTHA” customer portal requires authentication

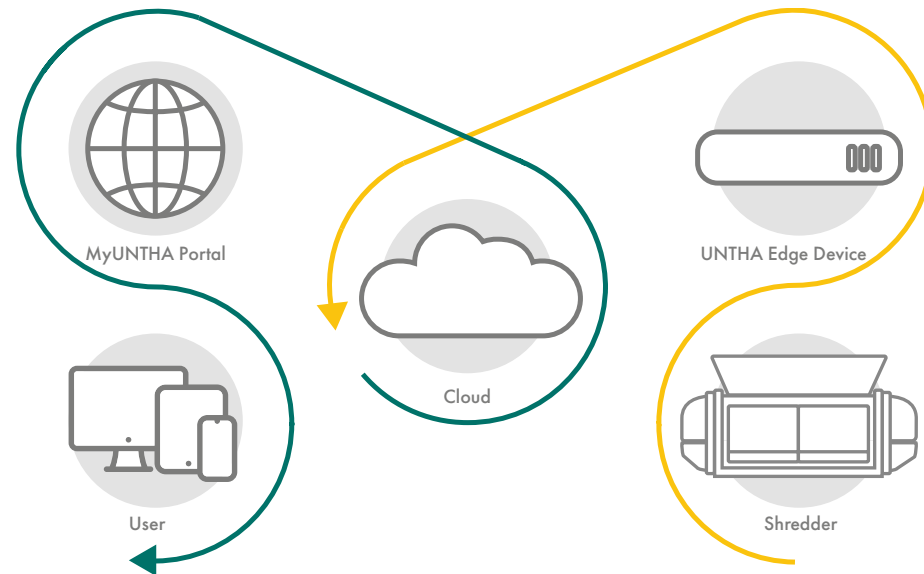
and an encrypted connection. The entire system is subject to security checks on an ongoing basis.

Connection

- » Secure end-to-end connection
- » No public IP address
- » Only data from authorised units is accepted by the Cloud
- » Permanently linked to the Cloud; constant monitoring of the data connection
- » Data is sent via HTTPS
- » Remote service & maintenance via a safe VPN connection
- » Especially designed for IoT applications: independent channels for measuring values
- » Security level complies with industry standards (ISO 27001-certified)
- » “A+”-rated by SSL LABS
- » Assigned roles for users, machines and groups

UNTHA Cloud

- » Integrity of received data is reviewed constantly
- » Each data block comes with an exact time stamp
- » Secure key and password required
- » Recorded data is linked to the machine master data
- » No storage of personalised data
- » Definition of user and machine rights



UNTHA Edge Device

- » Robust when it comes to temperature effects and vibrations
- » Multiple firewalls for data transfer from the machine to the Cloud
- » Positioned directly inside the machine, making fast, on-site evaluations possible
- » Fanless and thus less sensitive to dirt

MyUNTHA Portal

- » Access to portal requires authentication with e-mail address and password
- » Encrypted connection

A system that **benefits everyone**

Depending on the user's area of responsibility within the company, UNTHA GENIUS offers benefits on many levels, from the analysis of

operating and process data to overviews of running costs and speedy notification in case of faults. Thanks to different role assignments, the system

may be adapted to individual user requirements. Depending on the user, it is also possible to implement different authorisation levels.



Managing Director

- » Overview of running costs (e. g. energy costs)
- » Reduced operating costs
- » Increased plant availability



**Machine Operator,
Head of Service and Maintenance**

- » Scheduling of maintenance activities
- » Overview of all operating and process data



**Head of Operations
and/or Production**

- » Immediate notification in case of faults
- » Quick troubleshooting
- » Overview of all the latest machine data
- » Overview of upcoming maintenance activities
- » Process optimisation

UNTHA GENIUS packages

The right package for every business:

Depending on your individual requirements, we offer three packages, each of them with different service content. Following the one-off registration on our customer portal myuntha.com, your account will be activated and you may access your UNTHA GENIUS package straightaway.



UNTHA GENIUS	Starter	Advanced	Enterprise
Process data	✓	✓	✓
Alerts	✓	✓	✓
Events	✓	✓	✓
Energy consumption		✓	✓
Performance data		✓	✓
Energy costs		✓	✓
Machine efficiency		✓	✓
Analytics			✓
Condition monitoring			✓
Predictive maintenance			✓



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5 reasons to choose UNTHA



Customised, long-lasting shredding solutions



Premium quality products and services



All-encompassing expertise, from development to production, under one roof



Reliable customer service with the best technical know-how



More than 10,000 satisfied reference customers worldwide

We deliver what we promise

Since our founding in 1970, we've followed our promise of being "the reliable brand", which applies to every product and service that UNTHA delivers.

We work hard to consistently outperform our competitors, and provide customers with the confidence that – in choosing UNTHA – they have made the best decision for their business.