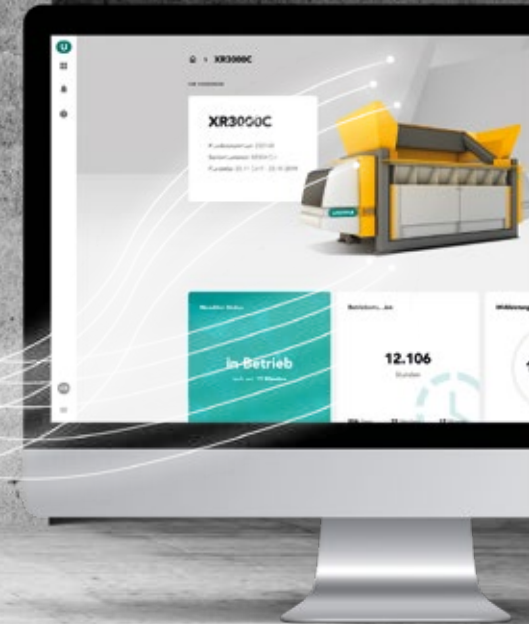


UNTHA

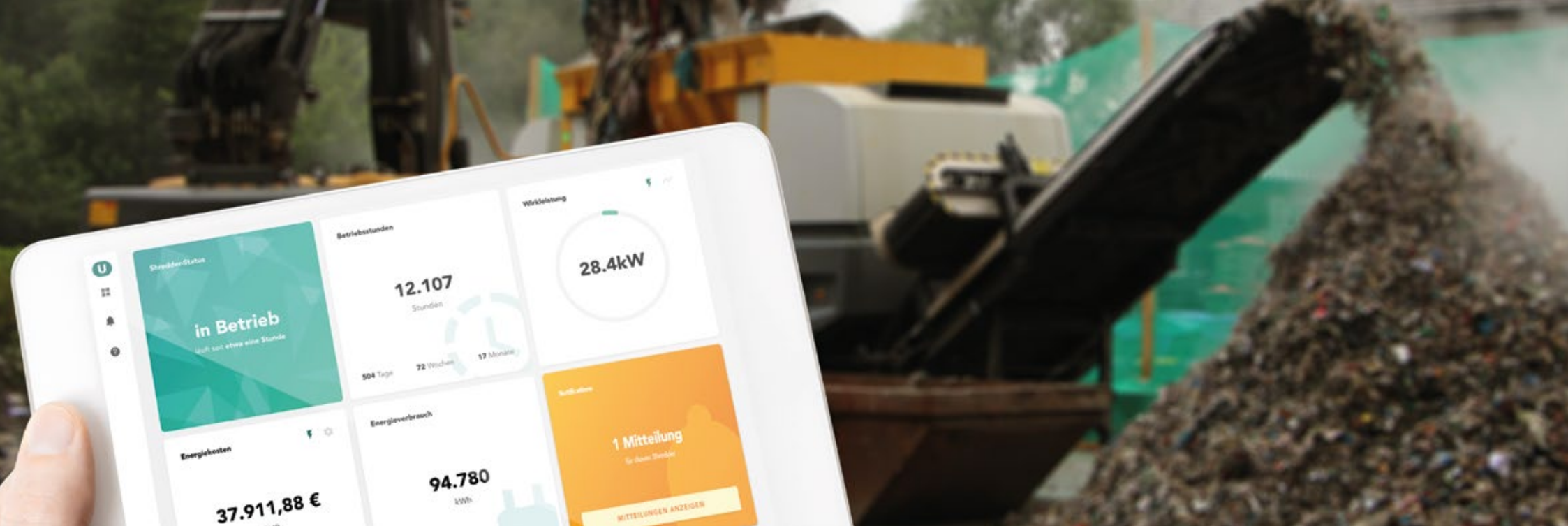
The reliable brand!



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 your UNTHA shredder. With the help of reliable sensor technology, the operation of your machine is monitored on an ongoing basis. UNTHA-GENIUS processes all your data in real time, alerts you of any deviations

and sends decision support directly to your smartphone, tablet or PC. With UNTHA GENIUS, you always have a complete overview of your entire UNTHA machine pool.

Make the most of this information on the basis of compact real-time data to see if your production is running smoothly. The goal of GENIUS is clear: To help you maximise the availability of your

machine while minimising maintenance and downtime costs. But UNTHA GENIUS is much more than a standard monitoring system - it is also a fantastic analysis tool. Thanks to the long-term storage of process data, it is possible to analyse trends that will constitute an ideal basis for optimisation in order to increase the cost-effectiveness of your plant on a lasting basis.

How will you benefit from **UNTHA GENIUS?**



Increased productivity

- » Maximised machine utilisation
- » Increased throughput
- » Optimised production processes



High plant availability

- » Reduced number of unplanned downtimes
- » Fast, targeted troubleshooting
- » Systematic planning and performance of maintenance and service activities



Maximale Transparenz

- » Transparent, real-time data
- » Visualisation of operating and process data
- » Statistics, trends, analyses

GENIUS

your shredder's brain



Cost reductions

- » Lower energy costs
- » Reduced maintenance and downtime costs
- » Lower personnel and process costs



Immediate correction of deviations

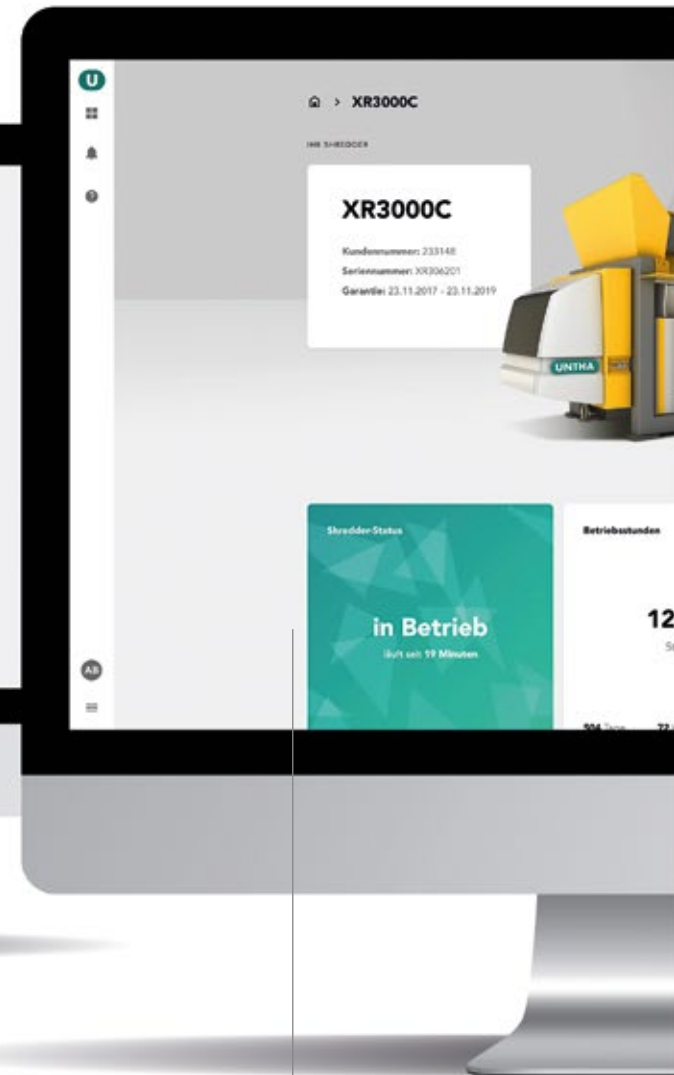
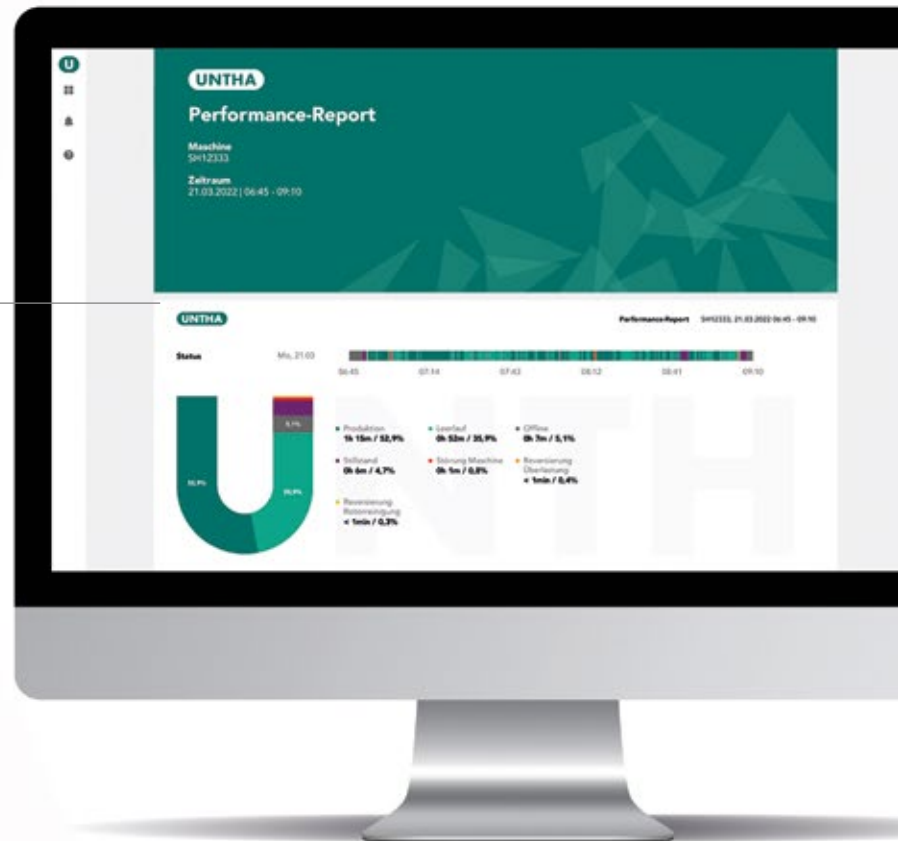
- » Monitoring on the basis of defined threshold values
- » Ongoing monitoring of process-critical components
- » Status notifications in case of plan deviations and faults



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

Report

- » Sent automatically via e-mail
- » Flexible report intervals (daily or weekly)
- » Machine logbook for an overview of maintenance activities
- » Identification of optimisation potential by comparing several days and shifts



Dashboard

- » Visualisation of machine status as well as the most important operating and process data
- » Provision of entire machine documentation
- » Comprehensive information in case of faults and events

Data Explorer

- » Detailed analysis of process values for machine optimisation
- » Free choice of measuring channels for maximum flexibility
- » Trend analyses over several days/weeks



All important machine data available in real time

Overview of operating material

- » Continuous assessment of oil quality and oil change intervals

Monitoring of the entire conveyor technology

Transparency of the cutting system

- » Collection of all measurement values related to the cutting system, such as rotor speed, torque, power consumption

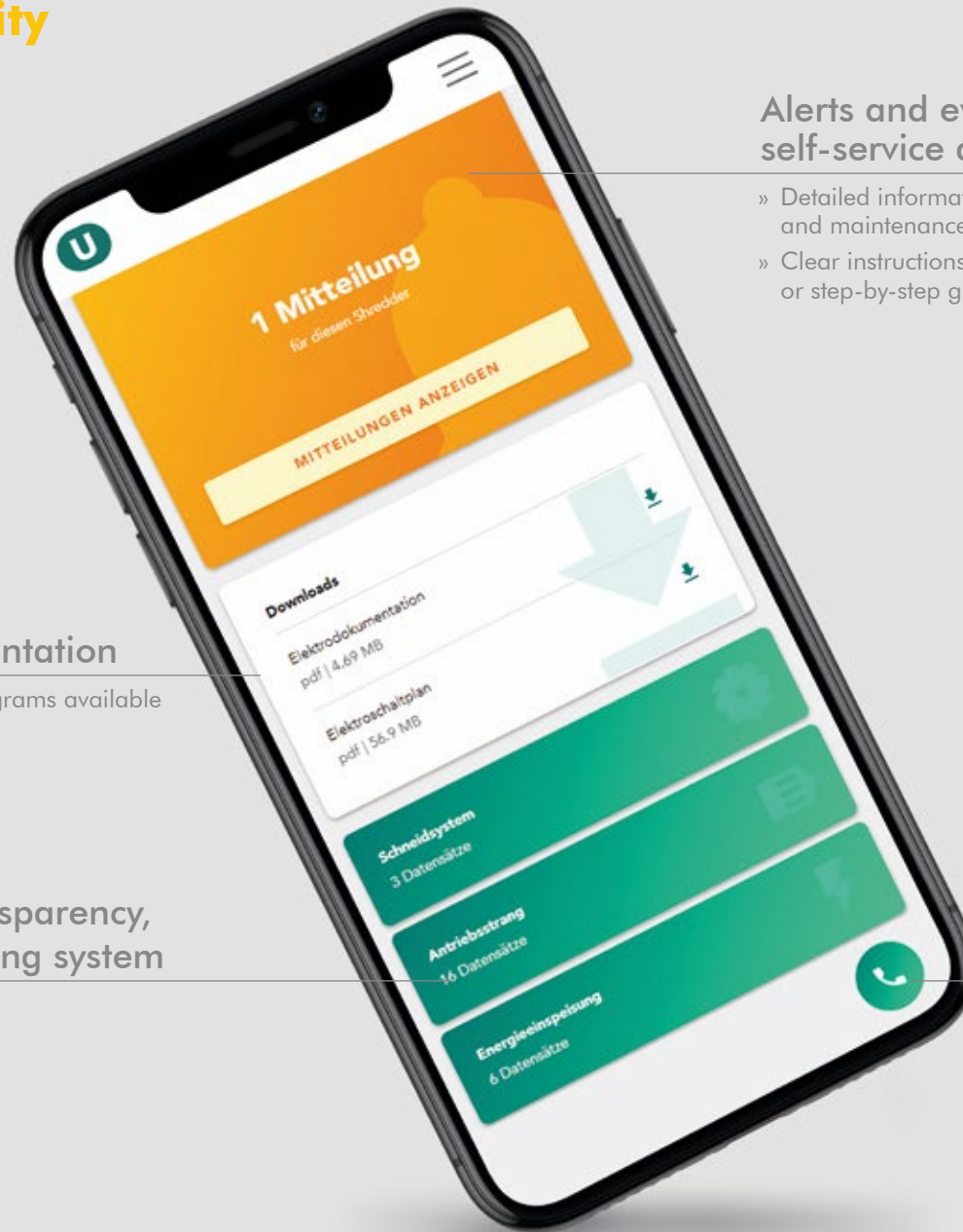
Monitoring of process-critical components

Cost monitoring

- » Visualisation of energy consumption and resulting costs

- » Machine condition monitoring in real time
- » Data storage of the last 4 months
- » Complete collection of up to 100 measuring values

Maximum mobility



Online machine documentation

- » Operating manuals and wiring diagrams available for download anytime, anywhere

Unbroken data transparency, from feed-in to cutting system

Alerts and events with self-service area

- » Detailed information on troubleshooting and maintenance activities
- » Clear instructions in the form of videos or step-by-step guides



Direct line to the UNTHA service team

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 all the data you need on your mobile phone or tablet.

System architecture and data security

With UNTHA, your data is in the best of hands. UNTHA GENIUS meets the highest standards concerning data security and data quality. A secure end-to-end connection, the industry-

strength UNTHA Edge Device with integrated firewall and a Cloud server based in Germany guarantee maximum data protection. Access to the "My UNTHA" customer portal is possible

exclusively by means of authentication and an encrypted connection. The entire system is subject to security checks on an ongoing basis.

Connection

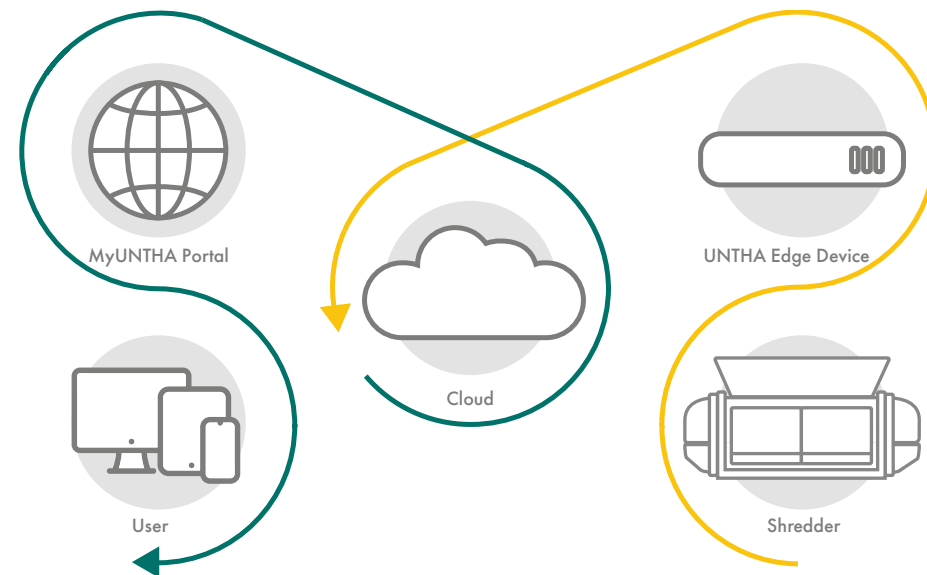
- » Secure end-to-end connection
- » No public IP address
- » Permanently linked to the Cloud; constant monitoring of the data connection
- » Security level complies with industry standards: ISO 27001-certified
- » Rated "A+" by SSL LABS

UNTHA Cloud

- » Integrity of received data is reviewed constantly
- » Recorded data is linked to machine master data
- » Personalised data is not stored
- » 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
- » Integrated in the machine, enables quick on-site evaluation
- » Fanless design 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 the latest operating and process data to an overview of running costs and speedy notification in case of faults.



Managing Director

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



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

- » Planning of maintenance activities
- » Overview of all operating and process data
- » Immediate notification in case of faults
- » Quick troubleshooting



**Head of Operations and/or
Production**

- » Overview of all the latest machine data
- » Overview of upcoming maintenance activities
- » Process optimisation

"Since we first started using the UNTHA GENIUS platform, we have been able to optimise performance in several areas, thanks to this conditioning monitoring tool. The metrics and data help us fine-tune our components as well as plan our maintenance intervals in the best possible way."

— Thomas Birkner (head of production facilities at Saubermacher Dienstleistungs AG for Vienna and Lower Austria)

UNTHA GENIUS **packages**

The right package for every business:

Depending on your individual requirements, you may choose from three packages with a different service content. Following the one-off free 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			✓
Status 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.

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