

# CULTIVATING THE FUTURE

AGRITECHNICA 2023  
E-BOOK

  
MARQUARDT





# CONTENT

Marquardt at Agritechnica

## **Products**

Intelli-Controls

HV-Sensor

E-Lock

ICS (Interactive Charging Socket)

Smart Access

Beyond Agritechnica



# MARQUARDT AT AGRITECHNICA

Welcome to Agritechnica, the world's premier trade fair for agricultural technology. Marquardt is looking forward to be a key participant in this prestigious event, showcasing our cutting-edge solutions that are revolutionizing the agriculture industry.

## A Partner in Agricultural Innovation

Marquardt has a rich history of innovation and excellence dating back to our founding in 1925. Over the decades, we have evolved into a global leader in providing advanced electronic and electro-mechanical solutions for a wide range of industries. Our commitment to innovation and quality has made us a trusted partner for businesses around the world.





# CONTROLLING THE FUTURE

## Intelli-Controls



### When everything needs to be within arms reach

Anyone who's ever been in the cockpit of an off-road vehicle or truck knows that a robust pace and dexterity are two sides of the same coin. With the Intelli-Controls product family, Marquardt is founding a new generation of HMI control units for commercial vehicles. We offer manufacturers long-life solutions for control systems that link a comfortable feel, expert design and high resilience.



**More Information**  
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# POWERING THE FUTURE

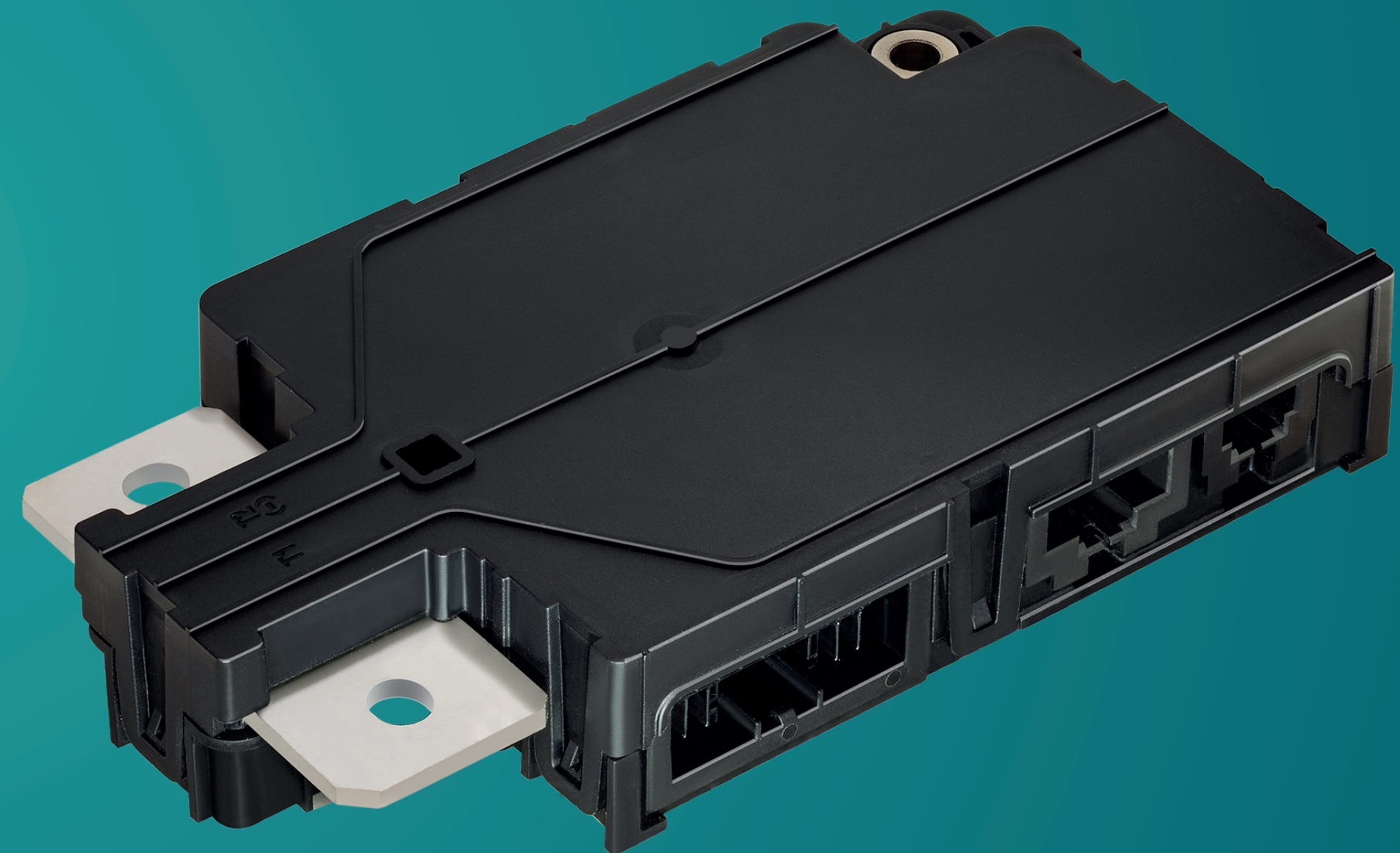
## HV-Sensor

### A Partner in Agricultural Innovation

The new high voltage sensor (HV sensor) from Marquardt measures faster and more accurately than conventional sensors. It continuously checks and monitors for presence of an overvoltage or fault, battery condition, and insulation resistance between the battery and its attached components. Available for various applications including all-electric cars, hybrid vehicles and fuel cell drives, the HV sensor makes every battery management system complete.



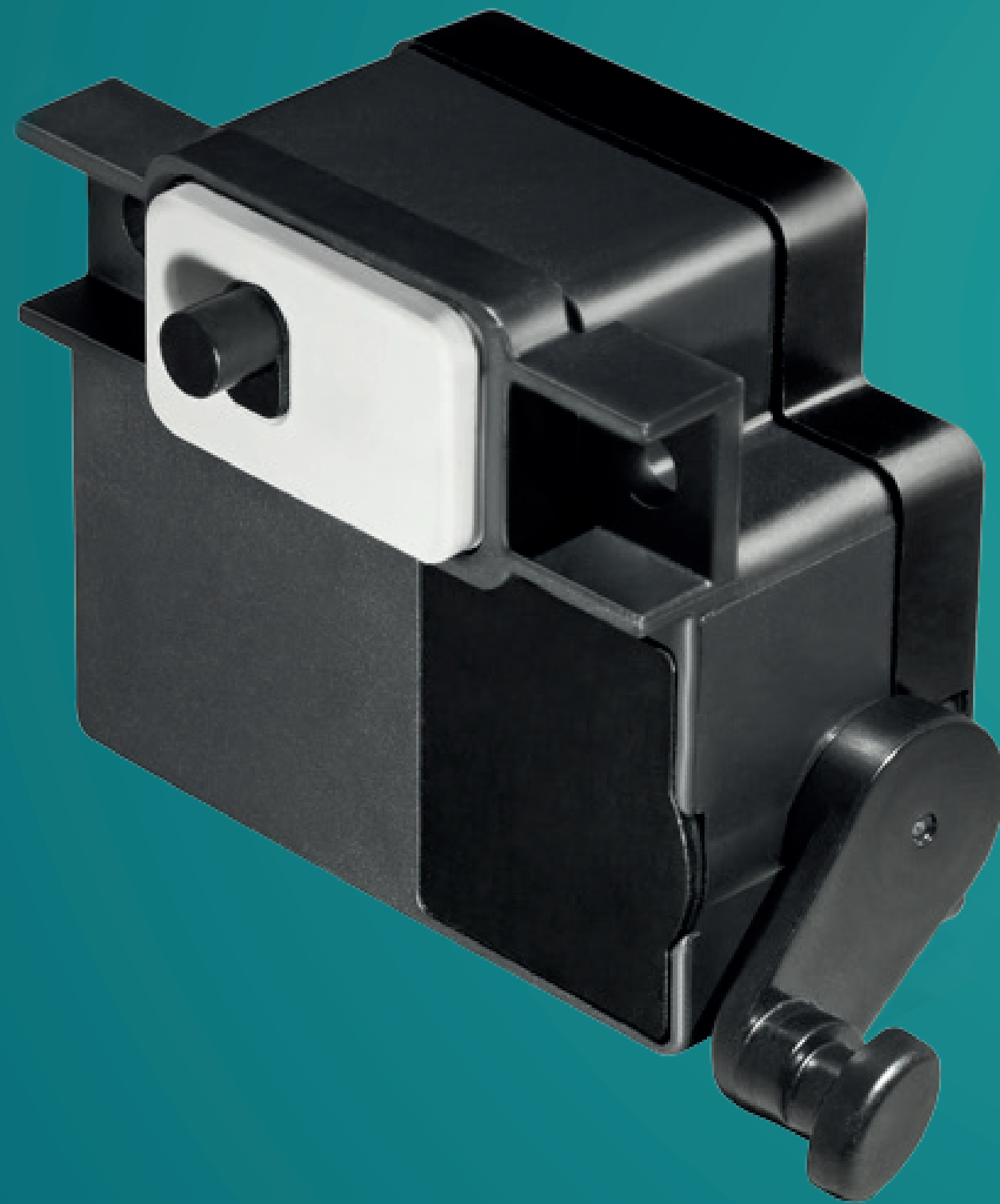
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# UNLOCKING THE FUTURE

## E-Lock



### Intelligence meets safety

With E-Lock, the intelligent charging plug lock for e-vehicles, plug-in hybrid models and charging stations, Marquardt is bringing a modular system to market that works for all vehicle charging plug. The high-end gear is not only very quiet and durable, but thanks to the integrated resistance measurement, it can also detect up to five different positions of the lock bolt. E-Lock has a modular design tailored to any functional scope and can easily be integrated into all e-vehicles and charging stations.



**More Information**  
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# CHARGING THE FUTURE

## ICS (Interactive Charging Socket)

### We simplify charging of electric vehicles

For more than a decade Marquardt has already been working on safe and powerful electronic vehicles. Since the market of electric vehicles emerges, the need for easy-to-use and scalable charging sockets and technologies increases. In this field, Marquardt unifies core technologies like Multifunctional Human Machine Interfaces (HMI), Automation and innovative light components.

In response to this, Marquardt combines some core technologies into a maximally flexible, reliable and universal charging socket: the Interactive Charging Socket (ICS). This is an intelligent charging system that is easily scalable and transferable to all plug types and charging standards (CCS, ChaoJi, CHAdeMO, GB).



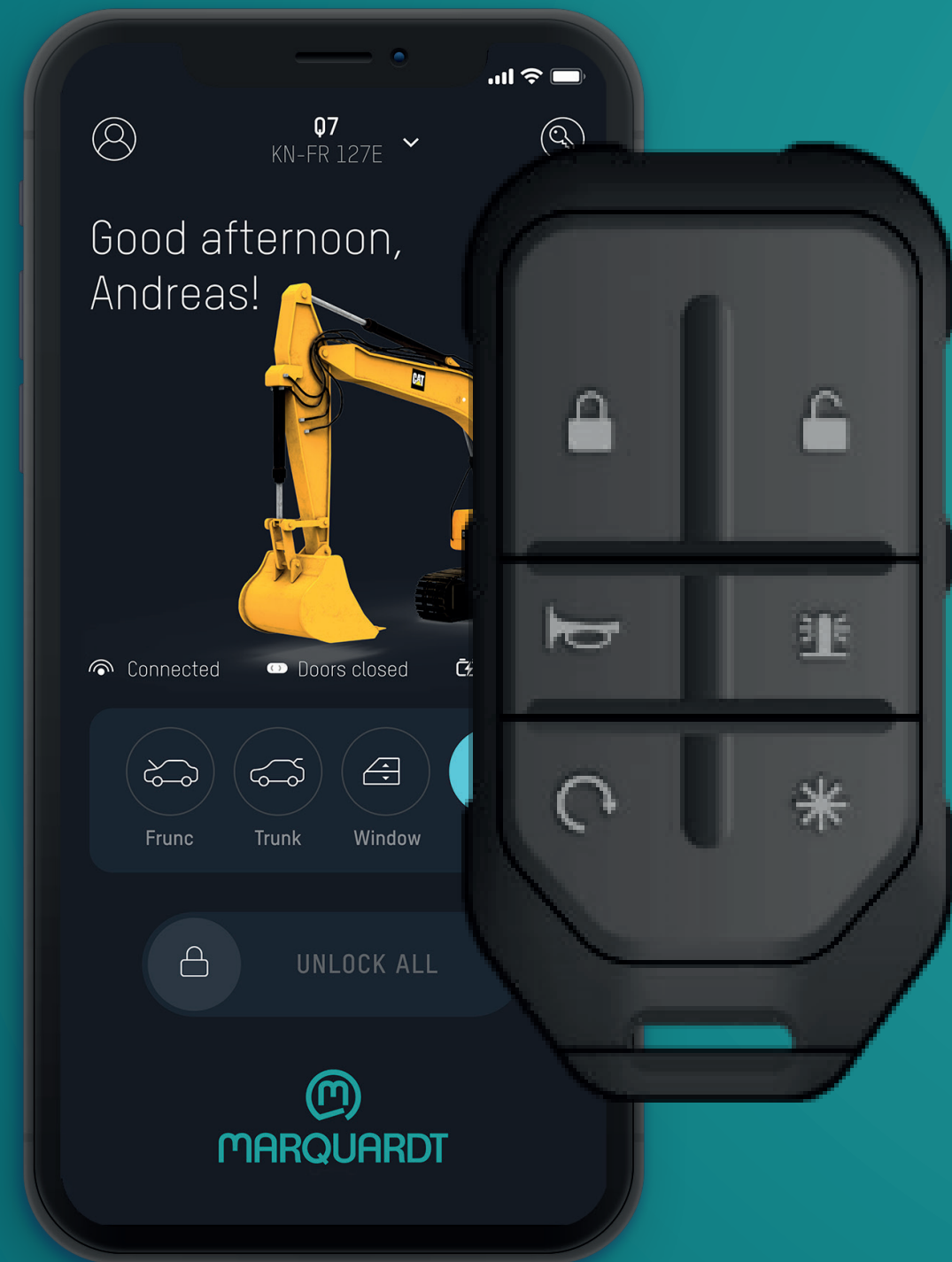
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# ACCESSING THE FUTURE

## Smart Access System PnD3



### Unlock mobility

The modular digital key platform PnD3 bridges the gap to mobile devices and allows unlimited applications and use cases far beyond keyless functionality. Using the phone as the authentication device unlocks the entire digital user experience. Our development enables mobile vehicle settings and sharing the digital key providing many mobility solutions including advanced safety, fleet management, third party services like cleaning, charging or maintenance or digital key management including mobile key sharing and revocation.



**More Information**  
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# BEYOND AGRITECHNICA



You've explored Marquardt's innovative products at Agritechnica and are excited about the potential they hold for your agricultural operations. Now, let's take a closer look at how you can implement Marquardt solutions and reap the benefits they offer.

## Consult

We're not just a provider of innovative solutions; we're your partners in success. Reach out to Marquardt experts for a consultation. Our team of engineers and specialists can work closely with you to understand your objectives and recommend the best combination of Marquardt products to achieve your goals.

## Customize

Marquardt products are designed to be versatile and adaptable to various agricultural setups. Whether you operate a small family farm or manage a large-scale agribusiness, our solutions can be customized to fit your needs. Our experts will assist you in integrating our products seamlessly into your existing systems and processes.

## Support

Successful implementation goes hand in hand with proper training and ongoing support. Marquardt offers comprehensive training programs for your staff to ensure they are well-versed in using our solutions effectively. Additionally, our dedicated support team is available to address any questions or issues that may arise during the integration and operation phases.





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