

# Inspire IQ

Our insights. Your power.



# INNOMOTICS



**“Using Innomotics Inspire IQ, we will sleep even more calmly than we already do today. Because we can trust every choice we make.”**

**Dr. Benjamin Geller**  
Plant Manager  
Cement Plant Rohrdorf

**“We never thought that this collaboration would have so much of an impact on our day-to-day operations. Because Innomotics identifies problems before they happen, we’re able to concentrate on our everyday business.”**

**Chris Monk**  
Software Engineer  
Hanson Cement

**“218 days in continuous production. This is a worldwide record. For us, Innomotics is a trusted partner.”**

**Gunder Bure Gabrielsen**  
Leader Process Technology  
Equinor ASA





# Digitalization.

**Gain insights. Boost performance.**

Smart Innomotics motors and converters make an important contribution to a seamless production process. Take advantage of digitalization and gain new insights into your plant. With Innomotics Inspire IQ, you enter a new dimension of availability, maintenance-friendliness, and efficiency that boosts your productivity.

**Your challenges.**

Reduce downtimes in order to lower costs.



**80+ hours**  
of unplanned  
downtime/year



**82% of companies**  
have had more than  
one disruption in the  
past 3 years

Average number of downtimes  
= 2<sup>1)</sup> Unplanned downtimes cost 10 times as much  
as planned downtimes<sup>2)</sup>



**\$10,000 – \$250,000/hour**  
Average cost of  
downtimes<sup>3)</sup>

<sup>1)</sup> Vanson Bourne Research <sup>2)</sup> ARC Advisory Group <sup>3)</sup> Stratus



(Continued)

# Digitalization.

Gain insights. Boost performance.

**Our solution.**

Innomotics Inspire IQ provides valuable data insights.

Digitalize your drive components and fully monitor your plant and environment using our powerful industrial IoT solution. This will allow you to identify and correct potential faults quickly and precisely.

As your partner with many years of experience in the area of drives and motors, we support you in your digital transformation.

**Your benefits.**

Digital power for productivity on a whole new level.

Maximum transparency	High availability and reliability	Increase in productivity	Greater maintenance-friendliness
Overview of the status of all networked assets – <b>24</b> hours a day, <b>365 days</b> a year – regardless of location.	Minimization of unplanned downtimes thanks to plant condition monitoring, support for <b>maintenance planning, planning and performance of maintenance work, and faster troubleshooting.</b>	By continuously <b>monitoring your drive systems</b> and through real-time error messages, we help you to achieve your production KPIs.	Reduce your costs through faster and <b>more efficient on-site maintenance</b> and problem solving, often concluded on the first visit.



# Comprehensive solution.

**Act holistically. Grow continuously.**

To boost the reliability and productivity of drive systems and consistently avoid motor and converter faults and failures, there has to be a perfect interplay of intelligent measures. That's exactly what you get with the holistic approach of Innomotics Inspire IQ.

## Innomotics Inspire IQ



### Smart products

**For automatically acquiring all the relevant data.**

Use smart products to transform your drive systems into IoT-capable platform devices that supply data directly to our digital platform for further analysis.



### Digital platform

**For comprehensive transparency, targeted analysis, and better decision-making.**

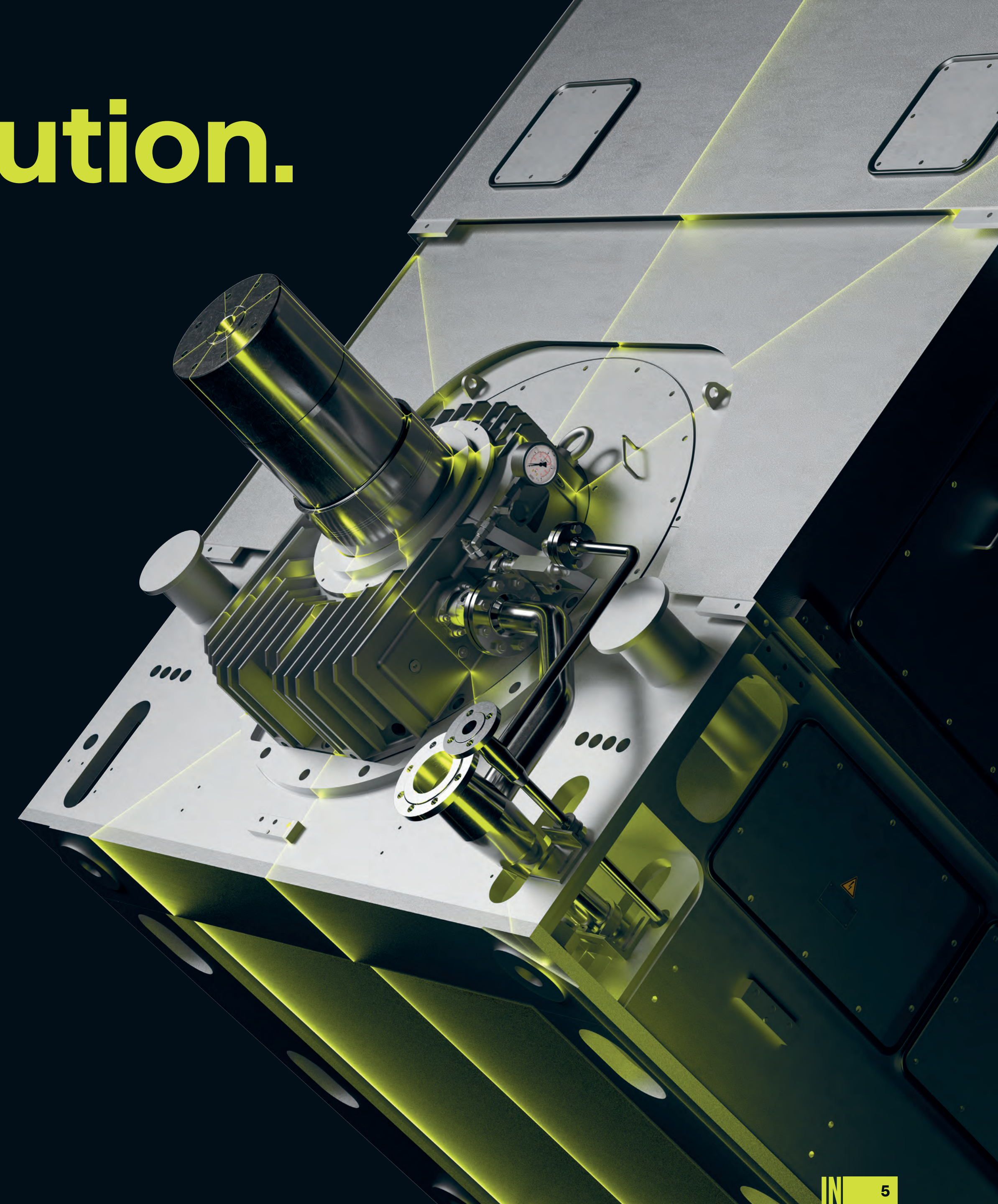
Thanks to modularity, scalability, and connectivity, you can optimally integrate your drive systems into IoT ecosystems as a way of optimizing availability and productivity on the basis of data.



### Digital services

**To optimize the availability and productivity of your plants.**

Our service experts continuously monitor all connected components. If a potential vulnerability is detected, we inform you directly and comprehensively and help you with your planning and fault tracing.





# Smart Products.

## Use data. Acquire new knowledge.

Digitalize your drive systems using our smart products and acquire valuable data for optimizing your plants.

### Your benefits.

Unique, integrated sensor functions open up new opportunities for analysis.

Acquisition of all data relating to operation and the work environment in order to detect potential sources of error before they happen.

Your plants are IIoT-capable thanks to an integrated edge gateway.

Your data is sent directly to the cloud for further analysis.

## Acquire new information about your drive thanks to digitally enhanced medium-voltage converters and motors from Innomotics.

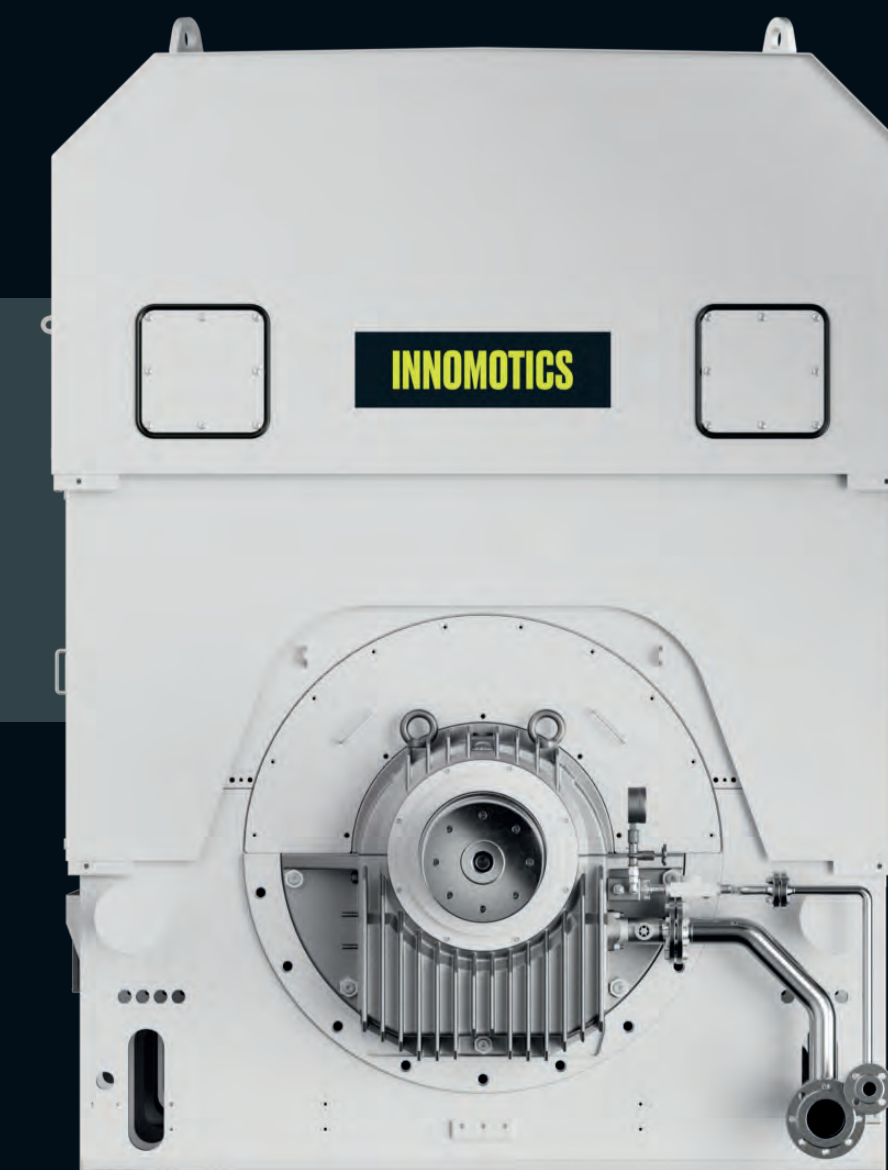
More insights into your drive than ever before.

### Smart products.

- + Make your drive systems future-ready by transforming them into Industrial IoT platform devices.
- + **Comprehensive portfolio:** Available for all Innomotics drive systems and motors.
- + **Easily upgradeable:** Even Innomotics motors and drive systems that are already installed can be retrofitted with smart products.



- + Unique and varied data points from operation and the environment
- + IIoT-capable via gateway
- + Integrated sensor functions
- + OT and IT convergence



- + Standard version available for each HV motor
- + Monitoring of critical motor values
- + Early detection of potential motor problems
- + Predictive maintenance



# Digital Platform.

## Gain insights. Boost availability.

Optimize your converters efficiently and on the basis of data using the Innomotics Inspire IQ Suite and the associated, customized offer packages.

### Inspire IQ Essential

Structure your work more efficiently and reduce costs.

- + Connects your plant to our cloud platform
- + Provides an overview of the fleet and of the converter rating plates
- + Monitors general operating conditions
- + Evaluates general health
- + Supports remote asset management

### Inspire IQ Advanced

Increase the transparency of your data and the availability of your plant.

- + Achieves comprehensive data transparency
- + Provides you with easy access to current and past data as well as historic log files
- + Provides information on the health of your plants at any time
- + Makes available trend analyses, important KPIs, and troubleshooting recommendations
- + Triggers notifications for critical alarms
- + Delivers status reports

### Inspire IQ Premium\*

Guarantee the productivity of your process by optimizing the reliability of your drive system.

- + Uses integrated sensor technologies
- + Monitors critical drive components
- + Predicts potential risks
- + Minimizes security threats

\*For selected converters.





# Plant Monitoring.

Measure in real time. Maximize transparency.

Innomotics Inspire IQ Suite allows efficient control by precisely monitoring the work and operating environment of your drive systems via integrated sensors with different functions.



Condition monitoring of critical components



Arc fault detection

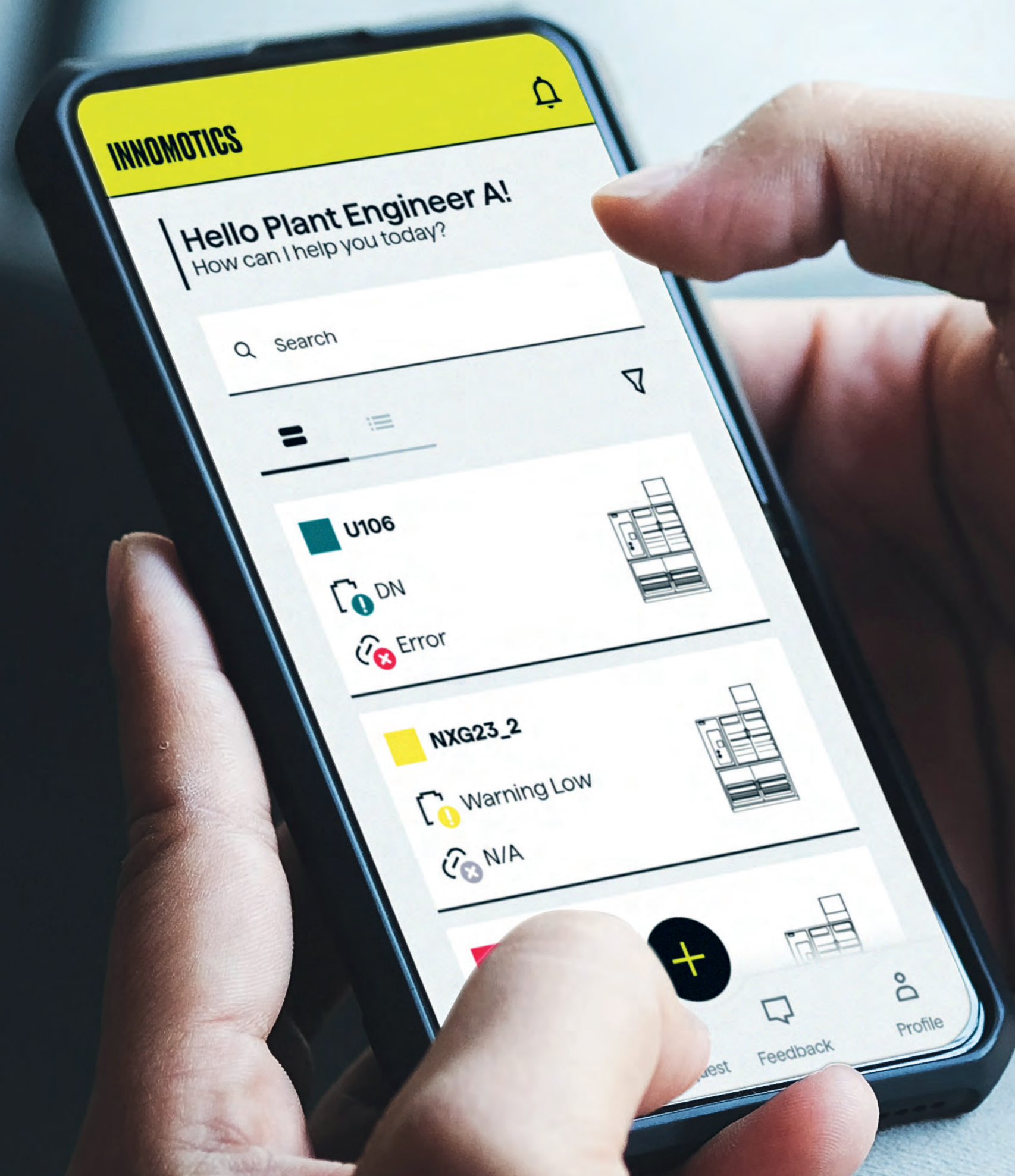


Thermal monitoring

## Your benefits.

- + Real-time monitoring
- + Early fault detection
- + Extension of product service life
- + Prevention of critical downtimes
- + Reduction of maintenance costs
- + Minimization of security threats

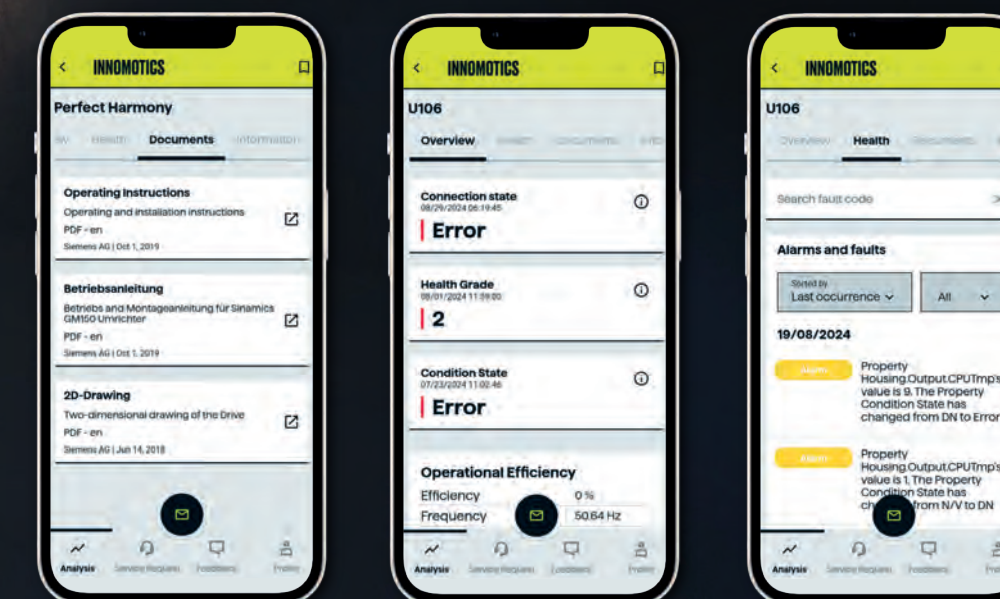




# Mobile app.

Everything in your pocket.  
Everything at your fingertips.

The Innomotics Inspire IQ Suite mobile app offers you fast access to a variety of analysis functions and useful features.



**Your personal assistant also provides you with all the relevant information when you're on the go and helps you tackle challenges directly.**

- + 360-degree overview of all the performance data from connected devices and real-time access to KPIs, log data, and device condition.
- + Push notifications of faults allow you to respond and initiate the next steps immediately.
- + Supported fault analysis and troubleshooting recommendations with direct access to expertise and detailed tutorial videos.
- + Quick and easy service support requests when you need additional assistance.





# Digital Services.

**Improve maintenance.  
Reduce unplanned downtimes.**

**Ensure the availability of your drive systems and take advantage of greater maintenance-friendliness thanks to our cloud-based digital services.**

Take advantage of smart hardware, platform-based analysis functions, and our customized digital services. Let us reliably boost the availability of your plant.

Based on our digital platform, we offer you a graded portfolio of service agreements that is perfectly tailored to your wants and needs. Our services ensure the continuous monitoring of your motors, converters, and associated components and guarantee your productivity.

#### **Here's what we offer you.**

- + Automated fault notifications
- + Anomaly detection
- + Performance-based service agreements

#### **Your benefits.**

- + Next-level services for remote and condition monitoring with transmission of condition data from all powertrain components to the cloud for analysis by our service experts.
- + Rapid troubleshooting that shortens unplanned downtimes thanks to direct contact with experts and data availability that is cloud-based.
- + Real-time transparency of your drive systems thanks to cloud-based analyses and the continuous improvement of data analysis.
- + Early fault detection with continuous monitoring, including an expert opinion, in order to minimize unplanned downtimes.



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# Digital Services.

Improve maintenance. Reduce unplanned downtimes.

## Innomotics Inspire IQ – Rapid Response

Service solution for a fast response time

Rapid troubleshooting thanks to cloud-based warning signals and direct support for problem solving:

- + Automatic notification of powertrain failure or fault
- + 24/7 monitoring with a maximum response time of 2.5 hours
- + Remote support for direct troubleshooting
- + On-site and phone support from Innomotics experts

## Innomotics Inspire IQ – Guided Supervision

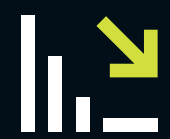
Service solution for supported monitoring

Avoidance of downtimes thanks to cloud- and expert-based condition monitoring:

- + Evaluation of vulnerabilities, including cause analysis and recommendations for action provided by our experts
- + Early warning thanks to the continuous monitoring of critical functions
- + Regular expert reports with evaluation and recommendations



Reduction of  
expensive outages by  
up to 80%



Lower maintenance  
costs



More stable  
production processes



Fewer costly  
unplanned outages



Intelligent insights  
for extending the life  
of motors



Reduction of  
maintenance costs





# Inspire IQ

Service agreements. Tailored to your requirements. Customized and flexible.

Ensure the continuous operation of your plants with the aid of our lifecycle service agreements, which offer you customer-specific support for your drives, motors, and components.

## Starter Service Agreement

Integrating complex new products or systems into today's digital processes is challenging. Fast, expert support is key to minimizing failure risk and ensuring the proper operation of a newly purchased motor, converter, or drive system.

Select one, two, or all three of the following services for a seamless first year of operation:

- + On-call service 24/7
- + Innomotics Inspire IQ Rapid Response
- + One-time inspection on site

## Advanced Service Agreement


































Our Advanced Service Agreements help you to maximize the operating time of your plants and avoid unplanned downtimes. Select your customized solution from our comprehensive offering consisting of traditional and digital services as well as reactive, preventive, and predictive services.

## Performance Service Agreement

Let us take care of your drive system maintenance. The Performance Service Agreement ensures the expected outcome for your drive system by combining the benefits of the Advanced Service Agreement with guaranteed results:

- + Maximization of uptime, minimization of outages
- + Planning reliability
- + KPI-based performance monitoring

## Overview of the Lifecycle Service Agreements

	 On-call service 24/7	 Corrective maintenance	 Preventive maintenance	 Spare parts services	 Digital services with Inspire IQ	 KPI-based performance monitoring
<b>Starter</b> Get it right from day one						
 Inspire IQ Rapid Response  On-call service up to 24/7  1st on-site inspection						
<b>Basic</b> A comprehensive range of services.						
<b>Advanced</b> Lifecycle Services meet digitalization.						
<b>Performance</b> Great service. Guaranteed results.						



reliable  
motion  
for a  
better  
tomor  
row



**Our insights. Your power.**

**Test Innomotics Inspire IQ.**

Just send us an e-mail at  
[inspire-iq.digital@innomotics.com](mailto:inspire-iq.digital@innomotics.com)  
We're happy to help.



**Find out more.**

Scan the QR code  
and visit us at  
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