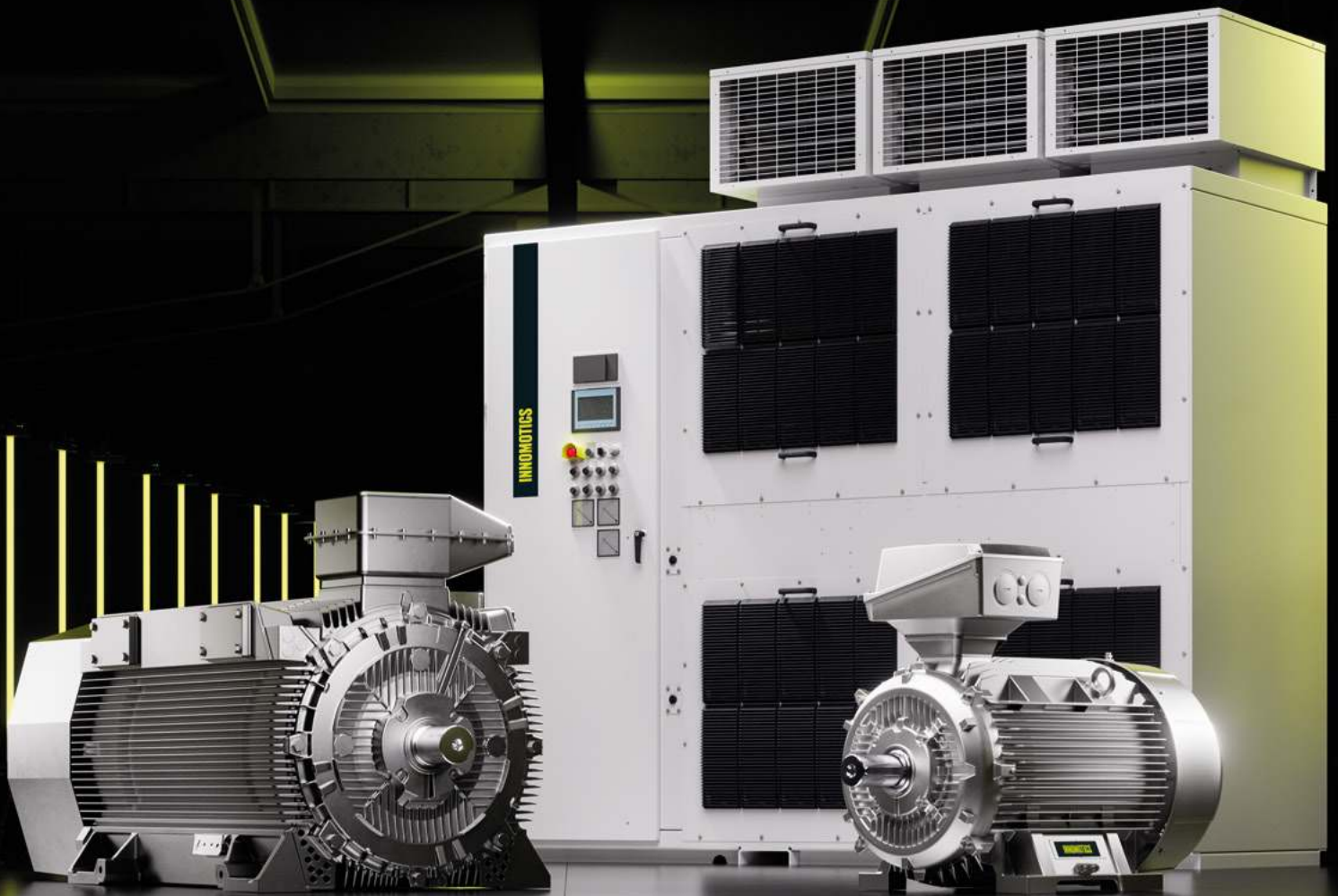


INNOMOTICS

Reliable Motion.

Redefined.



**Strong heritage,
new horizons.**



Redefining reliable motion for a better tomorrow.

With a trusted legacy of more than 150 years of Siemens engineering expertise, we are and have always been the backbone of reliable motion for industries and infrastructure worldwide. Our mission is to support you, our customers and partners, and your business on the road to the future – sustainable, digital, reliable.

INNOMOTICS

Innomotics Acts.

Our Product and Service Portfolio.

We're organized in five focused business divisions. As a world leader in motors, drives, solutions and digital technologies, we serve reliable, sustainable motion for a better tomorrow.

Innomotics Moves!

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Motors & Generators

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Solutions

Innomotics Serves!

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Customer Services



Aligned to market needs. Designed for your industry.

Innomotics combines efficient products and proven expertise with permanent innovative thrust. Our five business divisions are power lines answering market and industry needs. Around the globe.

Metals

Blast furnace blowers
Sinter fans
Wire rod mills



Marine

Main marine drives
Booster drives
Shaft generators



Minerals

Conveyor and mill drives
E-houses
Mine winders



Power Generation

Starting generators
Boiler feed pumps



Oil & Gas

Large compressors
Large pumps



Chemicals

Extruders
Large compressors



Water & Wastewater

Large pumps



Automotive

Conveyors



Pulp & Paper

Refiners



Food and Beverage

Mixing and shredding



Low Voltage Motors.

Benefit from Best-in-Class.

General Purpose	Severe Duty	Explosion Proof
		
GP	SD	XP
Standard environmental conditions	Toughest environmental conditions	Consistent platform for explosion protected motors
Highlights + Easy to use and extremely compact + Special types for special demands + Lightweight aluminum design + Efficiency up to IE4	Highlights + Best-in-class design + Built for harsh environmental conditions + Exceeds energy efficiency requirements in IE4 + Easy business, fast delivery	Highlights + Complete and seamless + Simplified and fast commissioning + CHEMSTAR¹⁾ design features + Easy maintenance, replacement 1) Pre-configured options for the chemical and O&G industries
Applications + Pumps, fans, compressors + Intralogistics with gearbox	Applications + Pumps, fans, compressors + Material handling (mixers, mills, extruders, rollers, winders, shredders, shears, cranes)	Applications + Process industry + Chemical/petrochemical + Oil and gas



Key verticals

Oil & Gas
Chemicals
F&B
HVAC



Innomotics is a synonym for best-in-class low voltage motors – designed for tough industrial duty, all over the world.

The range is all-encompassing. It includes asynchronous, synchronous reluctance and permanent magnet technology. In the global IEC market, we are number one.

Applications range from standard to toughest environmental conditions and from industry-specific designs to use in sensitive explosion protection (Ex) zones.

Definite Purpose	Synchronous Reluctance	Permanent Magnet
		
DP	GP/SD VSD4000	GP/SD PM
Optimal solution for industry-specific demands & applications	Innovative synchronous reluctance motor for high efficiency systems (VSD-driven motors)	High-end ultra efficient optimized systems with Permanent Magnet motors (VSD-driven motors)
Highlights + Going beyond the standard range, the industry-specific motors provide the optimum and precise solution for individual demands	Highlights + Extremely efficient also in the partial-load range to achieve both low operating costs & high efficiency + Dynamic performance & closed-loop control w/o encoder (sensorless) + High overload capability – rugged and reliable + Synchronous motors w/o permanent magnets	Highlights + Ultra premium efficiency class that exceeds IE5 + High power and torque density + Downsize the frame size up to two shaft heights + High overload capability + Dynamic performance and precise control w/o encoder (sensorless)
Applications + Marine motors + Crane motors + Roller table and steel plants	Applications + Pumps, fans and compressors + Conveyor technology + Machine engineering (e.g. winders)	Applications + Pumps, fans and compressors + Dynamic and high torque applications

Geared Motors.

Gear up for Flexibility. Push Productivity.

Welcome to the world's trusted geared motor family. We power industries from deep-freeze indoor to stormy outdoor installations, driving efficiency and productivity worldwide.

Shift to excellence with SG Standard Geared Motors.

Our geared motor range is at a high level – in terms of usability, power density, gear ratios, energy efficiency and performance. Our torque scaling is no exception: it is the finest we have to offer.

General Purpose	Conveyor Technology
	
Holistic portfolio for any application	Optimized portfolio for dynamic drive systems
Highlights + Broad range of gearboxes, motors and options + Superior quality with high mechanical efficiency + Best-in-class tools for sizing and configuration	Highlights + Compact design with motor mounted inverter G115D + Converter world motor supports standardized engineering + Reluctance motors exceed super premium efficiency
Applications + Discrete manufacturing and process industries + Machine building + Winding applications	Applications + Intralogistics and airports + Belt / chain / roller conveyors + Travelling and hoist
Explosion Protected	Definite Purpose
	
Safe operation in hazardous areas	Special design for special applications
Highlights + Complete portfolio for all ATEX areas in gas and dust loaded atmospheres + Easy selection in configuration tools + Integrated design for applications with high demands regarding compactness	Highlights + Robustness and reinforced construction for higher loads + High resistance to environmental stress + Customization for industry specific requirements
Applications + Sewage treatment plants + Wood working / grain / paint shop + Mixers and agitators	Applications + Fresh and waste water + Cranes + Cooling towers + Car wash

Industrial Generators.

Boost your Power Yield. With Zero Interruptions.

The modular frame and standardized, compact build enhance flexibility and simple planning, even for customized solutions. Add low vibration levels and sturdy, robust design to provide lifelong reliability.

Benefits at a glance

- + Maximum availability for uninterrupted power generation
- + Standardized, compact design for simplified planning
- + Flexible electrical parameters for customized solutions
- + Minimum vibration
- + Sturdy, rugged, long-life quality for tough conditions, onshore and offshore
- + Variable, powerful cooling options

Innomotics GEN

1 – 35 MVA*

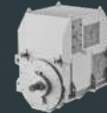
0,38 – 15 kV

Synchronous
Salient pole / cylindrical rotor

Welded steel frame

Modular type cooler

IP23, IP54, IP55



High Voltage Motors.

Outperform Standards.

Innomotics drives megatrends to more efficiency and sustainability in all industries. We outperform global standards, even in the most demanding applications.



Key verticals

Oil & Gas
Metals
Minerals
Water
Chemicals
Power



HV C Compact	HV M Modular
	
150–7,500 kW	250–29,000 kW
0.38–11 kV	0.38–13.8 kV
Asynchronous Squirrel-cage rotor	Asynchronous Squirrel-cage rotor, slip ring rotor
Cast iron frame / steel frame	Cast iron frame / steel frame
Rib-cooled, tube cooled, water cooled	Modular type cooler
IP55, IP56, IP65, IP66	IP23, IP55, IP56
Zone 1 designed as Ex db IIB, Ex db IIC / Zone 2 designed as Ex ec Zone 22 designed as Ex tc	Zone 1 designed as Ex pxb / Zone 2 designed as Ex ec, Ex pzc Zone 22 designed as Ex tc
+ Revolutionary air-cooling + Highest power density + Flameproof (gas group IIB & IIC) + Robust, resilient, low weight	+ Highest power density + Space efficient + Flexibility for specific needs + Industry leading low vibration levels
HV Specialized	AboveNEMA
	
1–100 MW	200–28,000 HP
3.3–13.8 kV	0.38–13.8 kV
Asynchronous / Synchronous Squirrel-cage rotor, salient pole rotor	Asynchronous Squirrel-cage rotor
Steel frame	Cast iron frame / steel frame
Modular type cooler or special	Surface cooled / modular type cooler
IP23, IP54, IP55, IP56	IP23–IP55
Zone 1 designed as Ex pxb / Zone 2 designed as Ex ec, Ex pzc or Class 1, Division 2 Zone 22 designed as Ex pzc	Safe Area & Hazardous Area (Class 1, Division 2)
+ Highest speeds + Industry leading low vibration levels + Efficiency rates 99 % + Tailored to customer needs	+ Exceeds North American standards + Industry leading low vibration levels + Best power density + Custom engineered solutions

MV Drives and Drive Systems.

Convert to Sustainability.

Switch to Premium.

Innomotics is the trusted original for medium voltage drives. We play a key role in sustainable process and power-to-power applications.

Key verticals

Oil & Gas
Metals
Minerals
Water



Innomotics Perfect Harmony MV Drives.

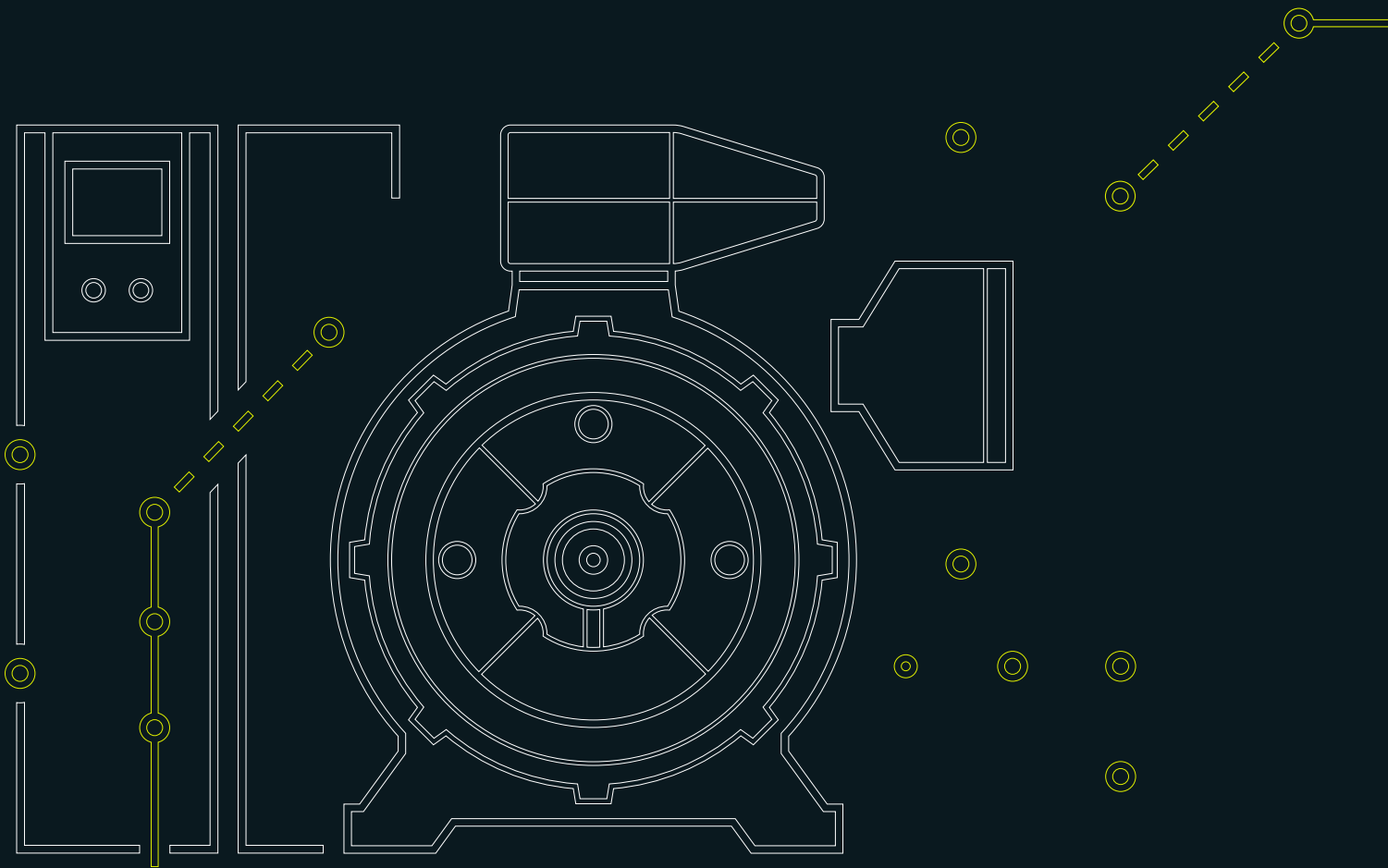
- + For cable lengths up to 2,300 m
- + Redundant cooling system with advanced cell-bypass for reliability and availability
- + IEEE 519-1992 compliant for voltage and current harmonic distortion
- + Operates at 30% input voltage sag continuously without tripping
- + Ready for the digital future with extended integrated monitoring

Perfect Harmony GH180	Perfect Harmony GH150	GM150	GL150
			
150 kVA - 14.3 MVA (air cooled)	4 - 35 MVA Up to 65 MVA on request (air cooled)	1 - 10.1 MVA (air cooled)	1.4 - 30 MVA (air cooled)
5 - 26.2 MVA (water cooled)	4 - 47 MVA (water cooled)	2 - 24 MVA (water cooled)	6 - 85 MVA + (water cooled)
2.4 - 11 kV (output voltage)	4.16 - 13.8 kV (air cooled) 4.16 - 11 kV (water cooled) (output voltage)	2.3 - 4.16 kV (air/water cooled) 6.6 kV (water cooled only) (output voltage)	1.4 - 10.3 kV (output voltage)
2Q / 4Q 	2Q 	2Q 	4Q 
+ Integrated transformer + Cell redundancy + Motor friendly	+ Separate transformer + Cell redundancy + Motor friendly	+ Separate transformer + Marine/offshore duty + Small footprint	+ Highest power ratings + Control redundancy + Almost maintenance-free
Perfect Harmony SH150	SM150	SL150	
			
4 - 30 MVA (air cooled on request)	3.4 - 5.8 MVA (air cooled)	2.9 - 18.8 MVA (air cooled)	
4 - 32 MVA (water cooled)	4.6 - 31.5 MVA (water cooled)	12 - 40 MVA (water cooled)	
3.3 - 11 kV (output voltage)	3.3 - 11 kV 4.16 kV (IGBT only) (output voltage)	1.5 - 4 kV (output voltage)	
2Q / 4Q (AFE) 	4Q (AFE) 	4Q 	
+ Highest flexibility + Line friendly + Modular topology combinations	+ High dynamics + High overload + Multi-motor dc-bus	+ Low speed + High overload + Highest efficiency	

Digital Services.

Log in to the Digital Future.

Bringing it all together: Linking up digitally augmented products, digital solutions and smart services. Innomotics invents, designs, builds and puts it all in place. The result: digital inspiration that makes a difference. In future. Globally.



Smart Products

Smart products and systems turn into industrial IIoT platform devices. For both brown- and greenfield scenarios. Innomotics provides the how-to. And the need-what.

Digital Platform

Increase availability, optimize asset management and speed up decision-making: Innomotics provides answers to productivity demands in IIoT ecosystems. Modular. Scalable. Connected.

Digital Services

Innomotics delivers cloud-based answers for next generation remote and predictive services. The result: highest availability and productivity for your drivetrain. Digitally. Globally. Reliably.

Innomotics Inspire

Inspire IQ Digital Platform**IQ Suite**

The Innomotics analytical platform for data transparency improves fleet transparency and minimizes unplanned downtimes.

IQ Shift

Optimize operational lifecycles and identify risks in advance. Follow expert action recommendations and improve outage planning by advance ordering and optimized inventory.

Inspire IQ Digital Services

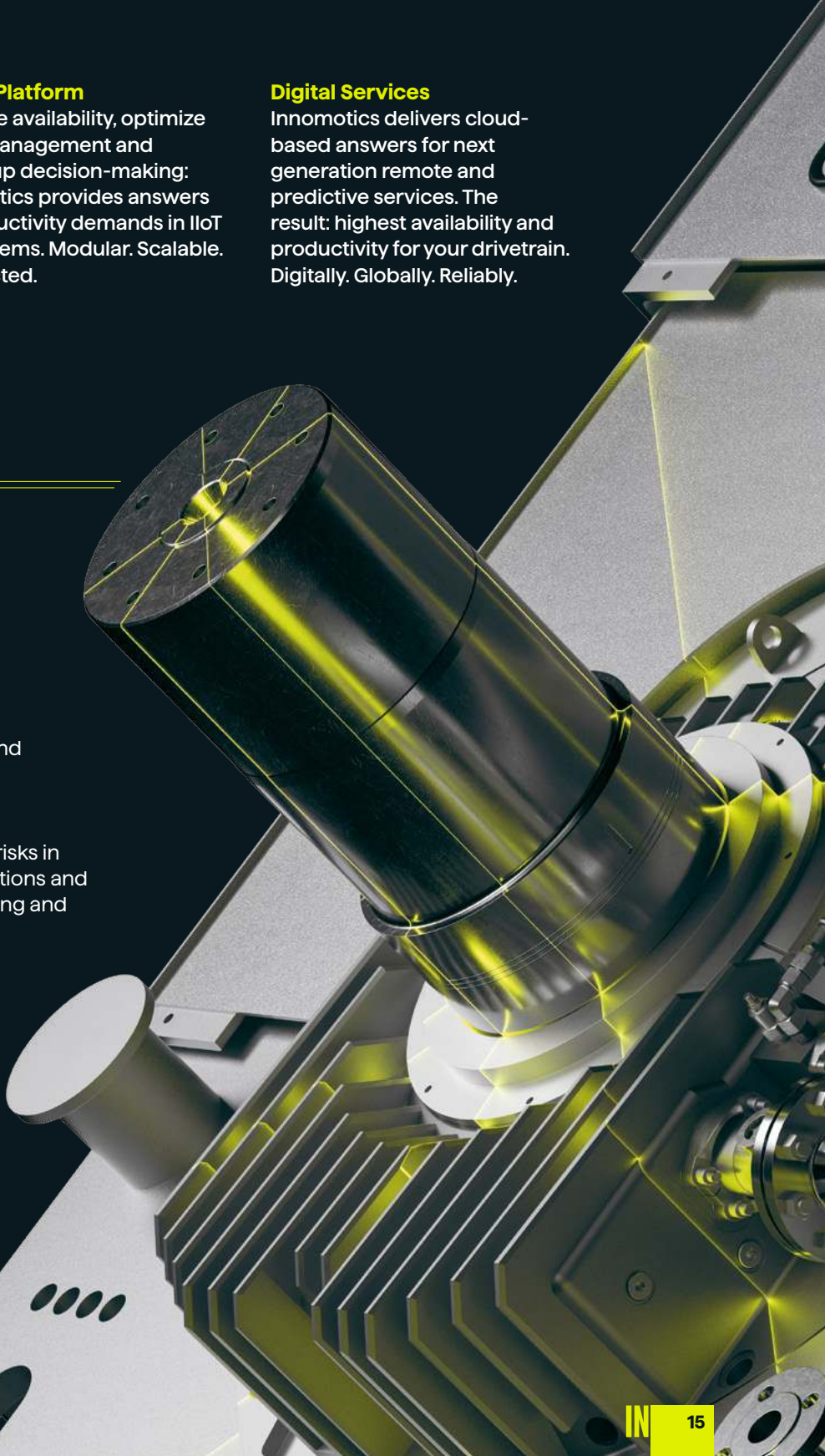
We provide digitized value and performance services for your asset.

Rapid Response

The service solution for fast recovery.

Guided Supervision

The service solution for continuous monitoring.



An aerial photograph of a dense forest with a winding road. The trees are mostly evergreens, and the road is a light-colored path that curves through the forest. The lighting is soft, suggesting a late afternoon or early morning scene.

Solutions for Sustainability.

Innovate to Integrate.

Focus on the Big Picture.

**Clean air, clean water, clean power:
Innomotics drives integration and
innovation to provide answers
with global impact. By providing
energy efficient solutions, we
enable the energy transition and
sustainable resource reutilization.**

Energy efficiency.

Innomotics systems are engineered to be more energy-efficient, using up to 50% less energy than traditional motors and drives. This technology promotes the electrification of industrial processes and helps to decrease the carbon footprint of heavy industries around the world.

Energy transition and grid stability.

Innomotics power-to-power solutions ensure a stable influx of renewable energies into the grid. For example: the production, storage and transportation of hydrogen on an industrial scale.

Sustainability and digitalization.

Innomotics technologies and digital integration help meet the growing demand for valuable primary materials. Safely and sustainably.

Clean water supply.

Desalination and irrigation answer to the world's growing demand for clean water. Innomotics proudly provides solutions for water and wastewater safety around the globe.

Flood protection.

Protecting vulnerable areas from flood threat relies on drainage pumps in barrier systems. Innomotics provides the expertise – and the drives – to make this both possible and feasible.

Reliable Motion, at your Service.

We take care of your assets, so you
can focus on your business.

Your peace of mind is our top priority. Customers
from all industries across the globe rely on
Innomotics service performance. We are always
there when you need us. All around the world, 24/7.
Because that's what reliable motion is all about.



49

countries
worldwide

+ 2,000

dedicated
service experts

24/7

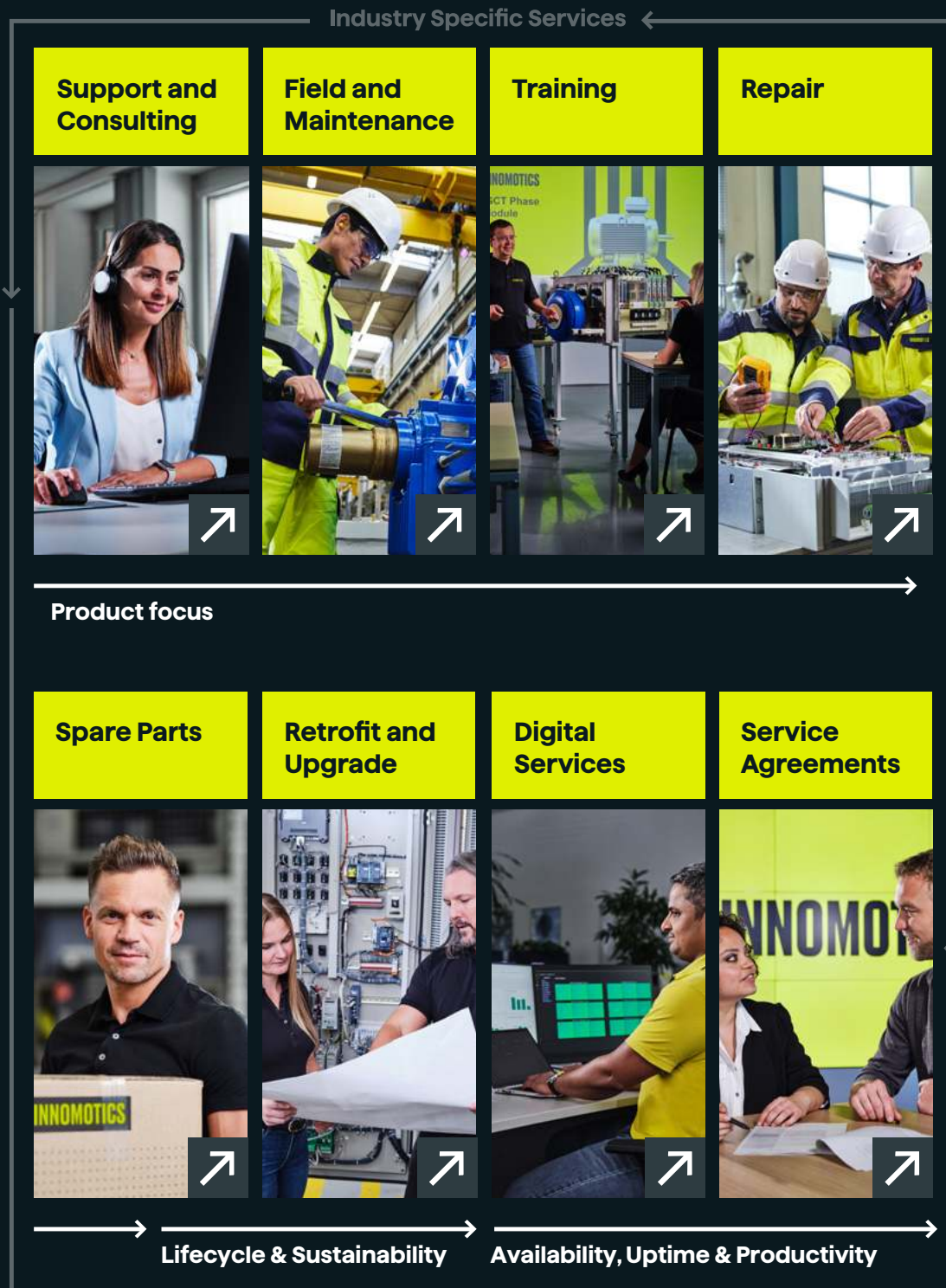
availability

365

days a year

Discover the full scope on [innomotics.com](https://www.innomotics.com)

Your assets must perform at top level. We make sure they do. Our services provides you with everything you need to keep your plant running efficiently, reliably and sustainably.



reliable motion for a better tomor row

Legal Manufacturer

Innomotics LLC
100 Technology Drive
Alpharetta, GA 30005
United States of America

Telephone: 1-877-466-8427 (1-877-IMOTICS)
www.innomotics.com

Order No. IN-Portfolio-BR-106-0524

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In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Innomotics' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

Innomotics' products and solutions undergo continuous development and updates, which adherence to are required to ensure the optimal security of the product and services. For more information and updates, please visit : www.innomotics.com/cybersecurity.

This document contains a general description of available technical options only, and its effectiveness will be subject to specific variables including field conditions and project parameters. Innomotics does not make representations, warranties, or assurances as to the accuracy or completeness of the content contained herein. Innomotics reserves the right to modify the technology and product specifications in its sole discretion without advance notice.

The Siemens Businesses **Large Drives Applications** and **Low Voltage Motors** have been transferred to **Innomotics**. The brand change from Siemens to Innomotics is ongoing.

Siemens' or Innomotics' legal information, trademarks or logos contained in product related documents **do not necessarily represent the actual branding** used for the products. Any technical product information remains valid **independently of the brand**.

Orders received as of **August 1, 2024**, will be confirmed exclusively with the product mark "**Innomotics**" regarding the concerned products and services.

Independent of the order date, all ordered products or services with **delivery** dates from **April 1, 2025**, will be delivered with the product mark "Innomotics".