



Company Presentation 2024

Corporate Marketing
Wangen i. A., August 2024

Diehl Controls Company Presentation

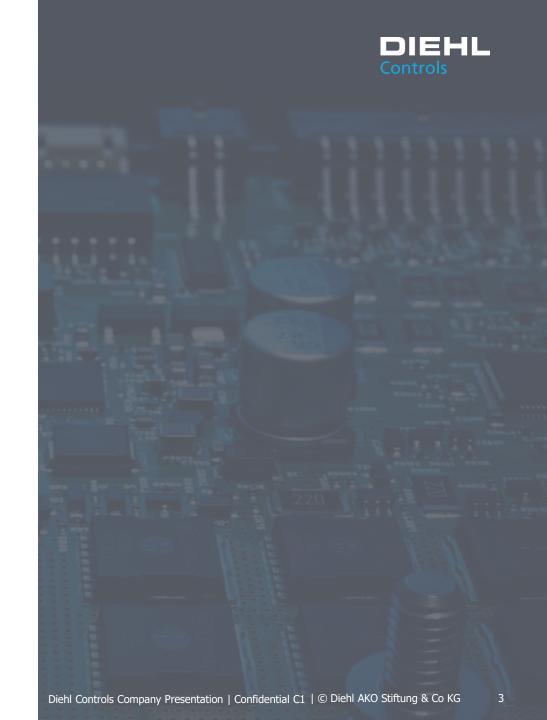
Agenda



01 Diehl Group at a Glance

02 Diehl Controls

01 Diehl Group



Diehl - Global Player with Tradition

Facts and figures Diehl Group 2023 (rounded)





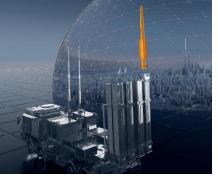
Diehl Group Corporate Divisions

Many solutions – one group.

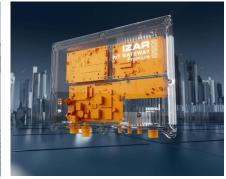












DIEHL Metall

Rods and tubes, Cell contact systems, Plated & stamped parts



800 Mio. €

3,050

DIEHLControls

Inverter solutions, High end displays, Industrial electronics

440 Mio. €

3,430

DIEHL Defence

Ground-based air defence, ammunition, surveillance systems

1,140 Mio. €

3,770

DIEHLAviation

Cabin interiors, aircraft systems, supply systems

1,050 Mio. €

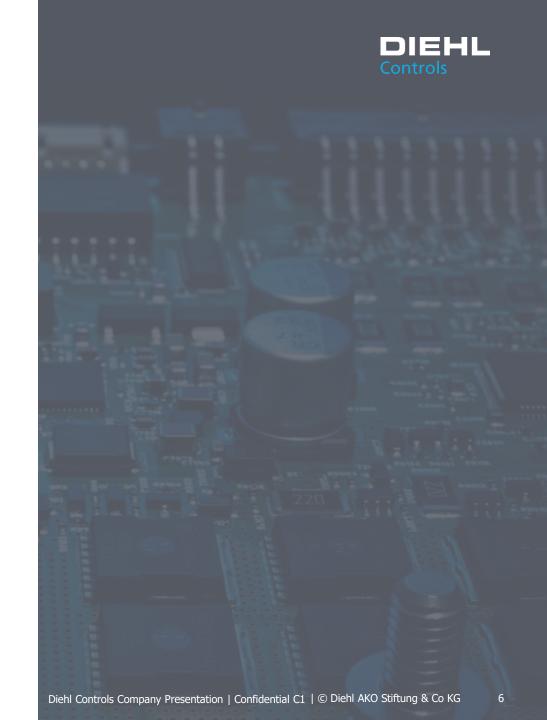
4,950

DIEHLMetering

Water and energy metering, submetering solutions, Connectivity

430 Mio. €

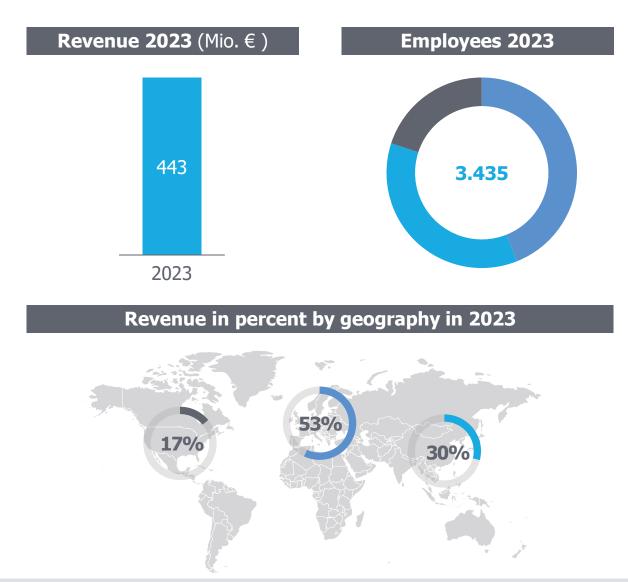
1,830



Diehl Controls at a Glance

Globally positioned hidden champion, headquartered in Germany





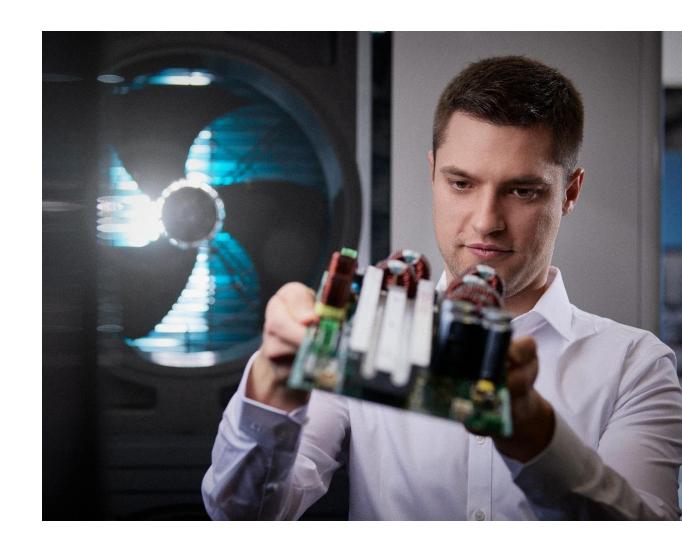


Creating Value for our Global Customer Base

Diehl Controls aims to raise the value of our customers' products



- We create ambitious electronic solutions and value chains for the individual challenges of our global industrial customers
- We are global technology and production experts enhancing the sustainability, reliability and user experience of our customers' products
- We are running dedicated operating models, custom-tailored to the necessities of the industries we serve
- As a technology leading partner, we provide innovative electronic solutions and supply chains to our global customer base in our focus markets
- We combine excellent expertise at optimized costs in Power & Control Electronics, Drive Electronics, Connectivity & Gateways and Human Machine Interfaces



Broad Customer Base (exemplary)

Trusted by blue chip companies of our focused markets











































Diehl Controls History

Electronics: within our DNA since the beginning



Patenting of an electric fencer by Paul Kolb (1942); Foundation of "Apparatebau Kolb (AKO)" **Erection** of the new **factory in Wangen**. In 1967 it became headquarters of AKO

AKO becomes part of the Nuremberg based **Diehl Group**. Beginning of dedicated Inverter development

Factory of the Year 2015

In recognition of the continuous improvement of all processes Diehl Controls receives the Factory of the Year award



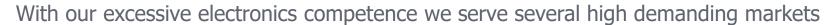
New building in Kisslegg and Paul Kolb's return to the Allgäu.

Time of growth. Manufacturing heaters and infrared radiators as well as the **electronic control for** the first automatic AEG-LAVAMAT **washing machine**

Establishment of an electronics departmentand entry of Peter Kolb as
future successor for his
father

Diehl Controls goes global. Establishment of the foreign locations in Poland, China, USA and Mexico "DC30" is being implemented to expand into the global HVAC/R and Industrial Electronics markets

Dedicated Market Focus









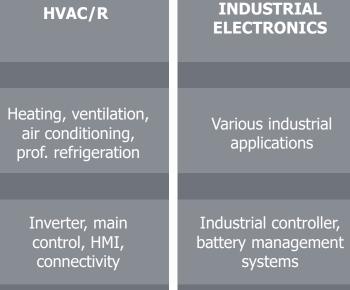


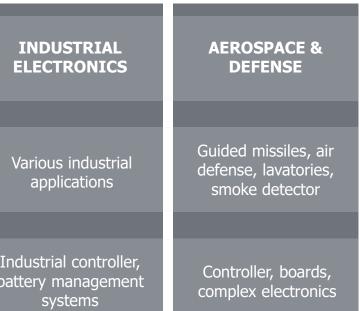




	Markets	HOME APPLIANCE
	Applications	Laundry care, cooking, refrigeration, dish care, SDA
-,-,-	Solutions	HMI, main control, inverter, connectivity







Main product competence areas

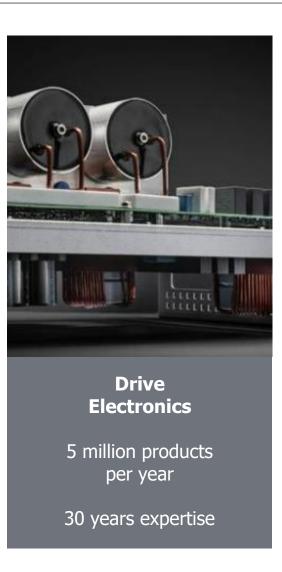




Power & Control Electronics

25 million products per year

35 years expertise

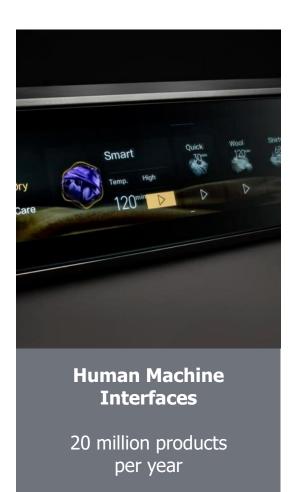




& Gateways

2 million products per year

15 years expertise



25 years expertise











Ultra Wide TFT 9.5 Inch TFT



Smartphone Feeling Touch Screen, Video



Dead FrontPanel integration



Operating Systems Linux OS, Android OS

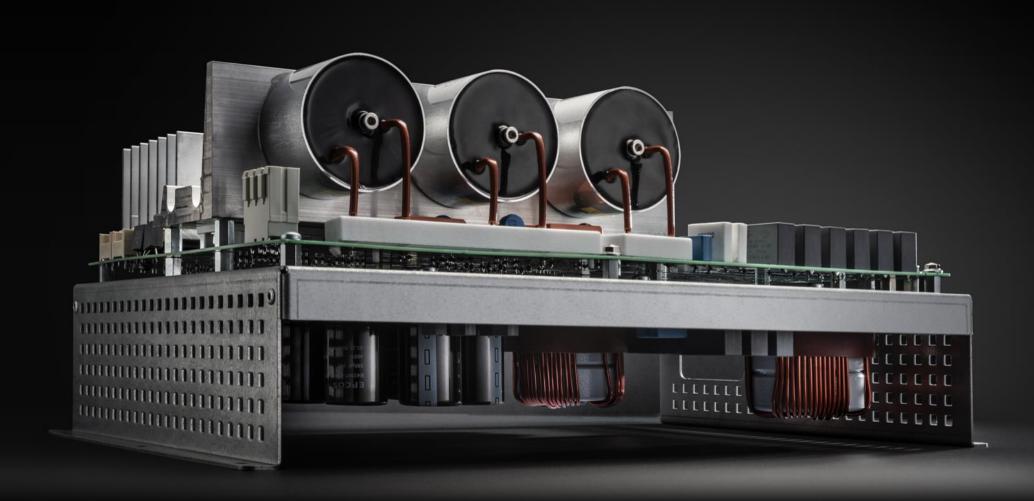


ConnectivityWifi & BT supported

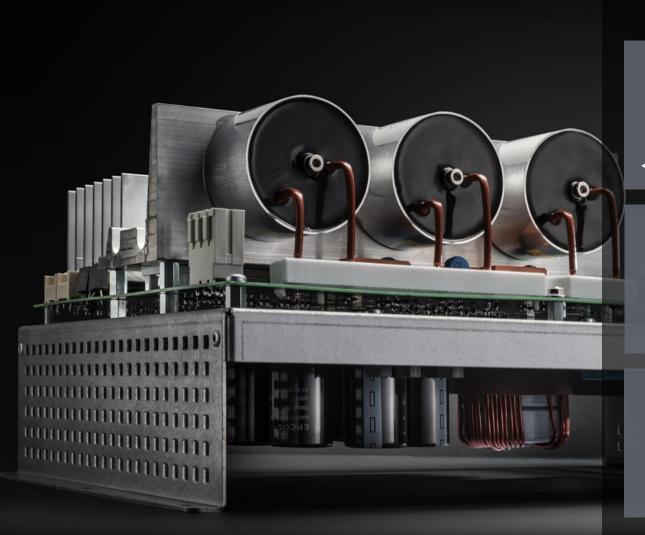


Product Branding3rd party software











Full Power Range <1-11 KW, 230 V/400 V



Active PFC PF 1 for 3 phase grid



SIP Topology high energy efficiency



Flammable Refrigerant approved system



Functional Safety protecting the system



Data Monitoring predictive maintenance

Global Industrial Footprint



Throughout a global network of existing sites and expansion projects we serve our customer local for local



Global Production Locations



A global company, headquartered in Germany, serving customers with a local production footprint

	GERMANY	POLAND	Romania	CHINA	CHINA	MEXICO
	Wangen (HQ)	Namysłów ————	Brasov	Nanjing ————	Qingdao	Querétaro
Production lines	1 Speed- / 3 SMD line 4 Selective soldering / 2 Wave soldering lines	3 Speed- / 13 SMD lines 8 Wave soldering lines	6 SMD lines 3 Wave soldering lines	14 SMD lines 9 Wave soldering lines	4 SMD lines 2 Wave soldering lines	7 SMD lines 6 Wave soldering lines 5 Conformal coating lines
Electronics p.a.	1.2 Mio	13 Mio.	up to 6.8 Mio.	15.8 Mio	4.6 Mio.	9 Mio.
Production space	7,000 Sqm	9,700 Sqm	5,975 Sqm	15,200 Sqm	5,540 Sqm	4,500 Sqm
Prod. Employees	300	680	up to 600	710	115	550

Scalable services from electronic manufacturing up to full product development





Electronic Manufacturing Services

Sourcing according to customer product design and Bill of Material

Production setup according to customer manufacturing process requirements

C- and D-Samples

Production release

Series and Aftermarket production



Product and/or manufacturing enhancement services

Rapid prototyping services
Strategic purchasing services
Design to cost services
Eco-design improvement services
Design verification services
Design to robustness services
Design to manufacturing services
Design to test services
Production systems services
Approbation management services



Full product development and industrialization services

System Architecture

Electronic Design

Mechanic Design

Software Design

Industrialization

A-, B-, C- & D-Samples

Qualifications and Certifications

Series and Aftermarket production

Production Focus

Development Focus

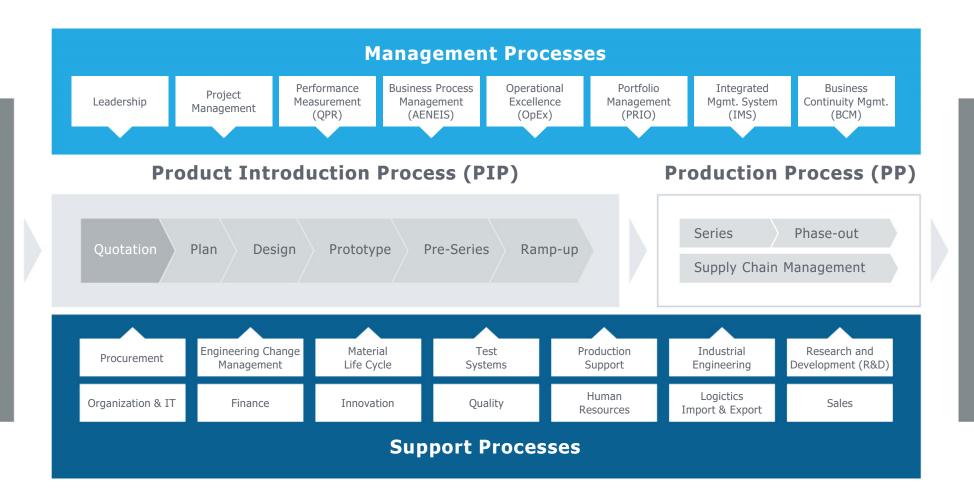
Process Competence

Integrated processes landscape ensures highest quality standards of our products



CUSTOMER





We are committed to corporate sustainability



ENVIRONMENT

Environmental aspects play a **key role** in our daily doing. Focus areas are:

- CO₂ footprint (Scope 1-3) and SBT aligned reduction targets of 38% until 2030*
- Products and ECO design of these to reduce the environmental footprint
- Energy efficiency in our processes incl.
 ISO14001 certification of all sites

GOVERNANCE

Sustainability is firmly embedded in our **governance** through

- Sustainability ratings (e.g. CDP)
- Supplier assessments with EcoVadis
- Diehl Group Code of Conduct and transparency guidelines



SOCIAL

Employees and **society** are integral part of Diehl Controls

- High global health standards
- Employee trainings
- Diverse recruiting process throughout all hierarchy levels

Feel the DNA of Electronics





As globally trusted technology experts, we

have deep expertise in all phases from development to industrialization to production offer unique HMIs, Inverters, Main Controls, BMS Solutions and Connectivity Modules have established a network of global production sites with highest quality standards

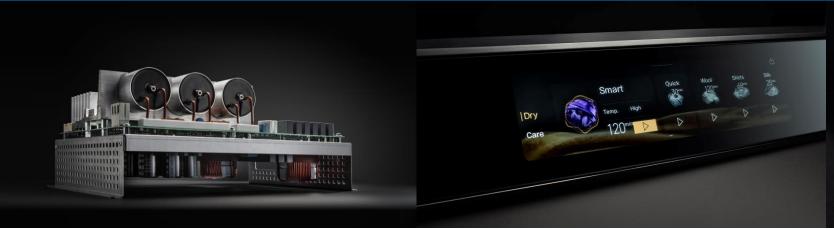
In the future we will

expand our pioneering role for energy-efficient, user-friendly solutions

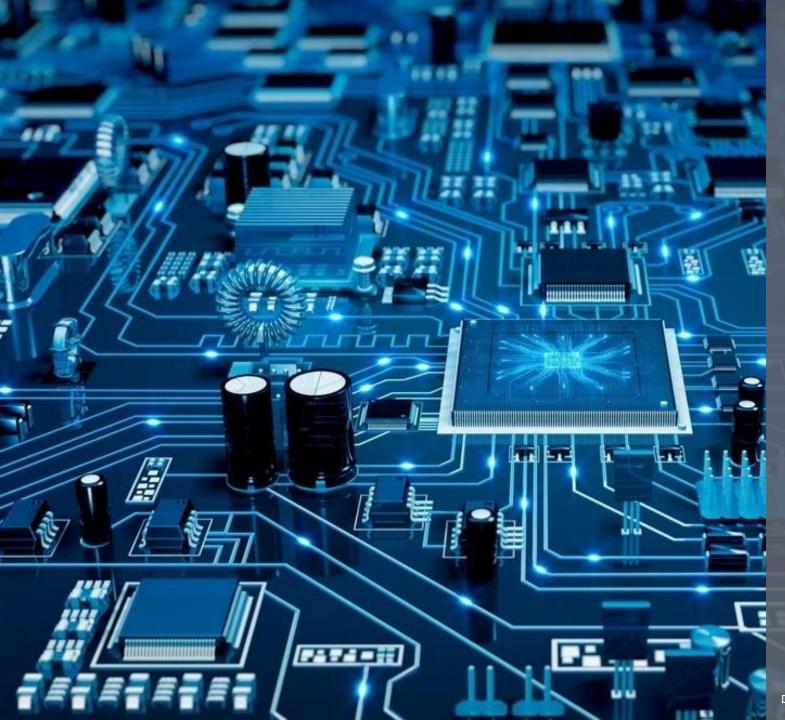
continue to strive for quality and execution of our smart factory production concept

further innovate markets through our unique combination of mechatronics and software











THANK YOU!

DIEHL CONTROLS

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