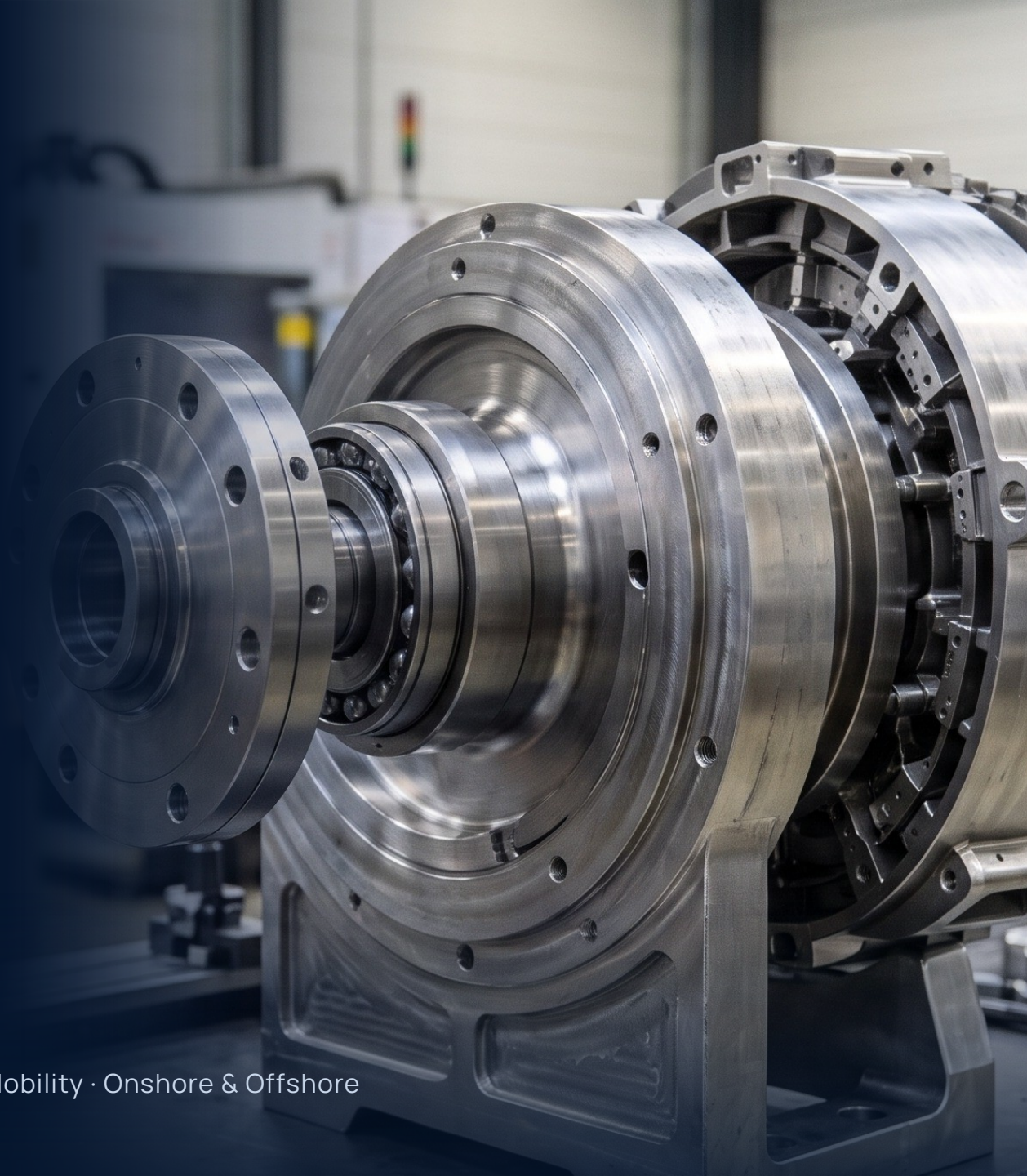
KILIC GRUPPE

COMPANY PRESENTATION 2026

Industrial production

Components and assemblies for demanding applications



Defence · Aerospace · Network · Energy · Industrial Automation · Rail & Mobility · Onshore & Offshore



INDUSTRIAL MANUFACTURING IN COLOGNE

Since 1983, we have manufactured components and assemblies for demanding applications – from design to the finished assembly.













KILIC GRUPPE

CHAPTER 01

Who we are

A family-run manufacturing company with over four decades of industrial experience.



KILIC GRUPPE

ABOUT US

KILIC Gruppe

Our operating company, F&K Maschinenbau GmbH & Co. KG, is an engineering and manufacturing partner for industry. We develop and manufacture custom components, assemblies, tooling, fixtures and special-purpose machinery – from design and process development through sheet metal fabrication, machining, stamping and welding to surface finishing and assembly. From prototype to series production.

1983
Our manufacturing roots

2nd
Generation of family ownership

40+
Years of manufacturing experience

ISO 9001
Certified quality management system

Cologne
Manufactured here, used worldwide

7
Technology markets in focus

OUR VALUES

Precision that connects.

Three values shape how we work – in manufacturing and with our customers.

Security

RELIABILITY

We honour our commitments on quality, delivery dates and documentation.

ISO 9001 · Inspection at every production stage · ISO 45001 in preparation

Transparency

PARTNERSHIP

We work with our customers early, openly and as equal partners.

Early feasibility reviews · Traceable inspection reports · Transparent supply chain

Trust

RESPONSIBILITY

For our people, our region and reducing manufacturing CO_2 emissions.

Family-run since 1983 · Long-term customer and supplier partnerships

COMPANY LEADERSHIP

Family leadership and industrial experience

> **Personal responsibility and knowledge of daily operations shape our work.**

Our roots go back to 1983. For over four decades, we have worked in metal and plastics processing, machine building and fixture manufacture.

Today, the second generation of the Kilic family runs the company. Management and production work closely together, enabling quick decisions and reliable commitments.

MANAGEMENT

Kemal M. Kilic
Founder and owner

Ferhan Kilic
Management

OUR TEAM

One team across the entire production process

Design engineering, production planning and operations management align planning and delivery with one another – and with our customers from the outset.

Design engineering

We turn technical requirements into drawings and models, confirming function and manufacturability before production.

Production planning

We plan materials, machines and tooling and define the production sequence.

Operations management

We coordinate processing, assembly and agreed inspections throughout production.

CHAPTER 02

What we make

In-house capabilities, processes and quality – tailored to the intended function of every component.



VALUE CREATION

Strength through in-house manufacturing

We connect engineering design with component manufacture and final assembly. Tooling, materials and the production sequence are selected to suit the intended function.

01

Design engineering

Clarify requirements and feasibility. Develop drawings, tooling and fixtures.

02

Component manufacture

Combine sheet metal fabrication, machining and stamping to suit geometry, material and production volumes.

03

Joining & finishing

Weld components and tailor surface finishes to the application.

04

Assemblies

Assemble mechanical components. Add functional testing and documentation as agreed.

TECHNOLOGIES

Our manufacturing processes

Seven process areas, coordinated into one continuous production route.

Design & tooling	CAD design, tooling and fixtures
Sheet metal fabrication	Laser cutting, punch nibbling, CNC bending
Machining	CNC turning, CNC milling, grinding
Stamping	Automatic stamping machines and presses, 15–250 t
Welding	TIG, MIG and MAG welding, structural steelwork
Surface finishing	In-house powder coating
Assembly & special machinery	Assembly, special-purpose machine building

BATCH SIZES

From prototype to series production

MATERIALS

Steel, stainless steel, aluminium, copper, titanium, plastics and composites

PRODUCT RANGE

Typical components we manufacture

Sheet metal & enclosure parts

Laser-cut, punched, nibbled and CNC-bent in steel, stainless steel and aluminium.

OUR SPECIALITY

Copper contacts

Copper specialist: contact and connection parts for busbar trunking systems.

Turned parts

Shafts, rings and bushes made on CNC lathes and automatic lathes with bar feeders.

Milled parts

Complex geometries in metal, plastics and composites – milled and ground.

Stamped parts

High volumes on automatic stamping, eccentric and hydraulic presses.

Welded assemblies

From assemblies to complex steel structures – welded and powder-coated.

Tooling & bespoke machines

Precision tooling, fixtures and special-purpose machines designed in-house.

ONE PARTNER

From prototype to series production – made in Cologne.

CAPABILITY AT A GLANCE

Our manufacturing at a glance

Project-specific batch sizes – with in-house design, tooling and surface finishing.

Batch sizes

From prototype to series production

5 steps

from feasibility analysis to on-time delivery

1 partner

for design, tooling, manufacturing and assembly

7

Technology markets – from Defence to Offshore

7

Material groups: steel, stainless steel, aluminium, copper, titanium, plastics and composites

3

Welding processes: TIG, MIG and MAG

CNC

and conventional lathes and milling machines, plus automatic lathes with bar feeders

In-house

Powder coating and precision tooling

QUALITY

Quality management and inspection

ISO 9001:2015

The quality management system of F&K Maschinenbau GmbH & Co. KG is certified to DIN EN ISO 9001:2015.

SCOPE

Machinery and fixture construction, and the production and assembly of mechanical components

CERTIFICATE VALIDITY

2 December 2024 – 1 December 2027

In-process inspection

We define inspection criteria for each component and check operations throughout the manufacturing process.

Final inspection

We check the workmanship and agreed functions of the finished component or assembly.

Documentation

Inspection reports and technical records provide traceable evidence of the agreed results.

QUALITY · ROADMAP

Planned certifications

We are developing our management systems for quality, the environment, energy and health and safety.

In progress

Quality management for aviation, space and defence

DIN EN 9100 / AS9100

Planned certification: **Q3 / 2027**

In progress

Environmental management system

DIN EN ISO 14001:2026

Planned certification: **Q3 / 2027**

In progress

Energy management system

DIN EN ISO 50001

Planned certification: **Q3 / 2027**

In progress

Health and safety management system

DIN EN ISO 45001

Planned certification: **Q3 / 2027**

PARTNERSHIP

Working with our customers

Drawings, operating conditions and planned demand form the basis of every project.

01 Technical coordination

We assess manufacturability early and align function with production, supported by design and tooling.

02 Cost-effective series production

We select the manufacturing route to suit geometry, material and batch size, accounting for annual volumes and repeat demand.

03 Coordinated processing

Manufacturing, surface finishing and assembly work together. The scope reflects the agreed delivery condition.

04 Inspection and handover

We agree inspections and records with you. Final inspection, documentation and dispatch preparation complete the order.

CHAPTER 03

Our markets

Mechanical components and assemblies to customer specification – for seven technology markets.



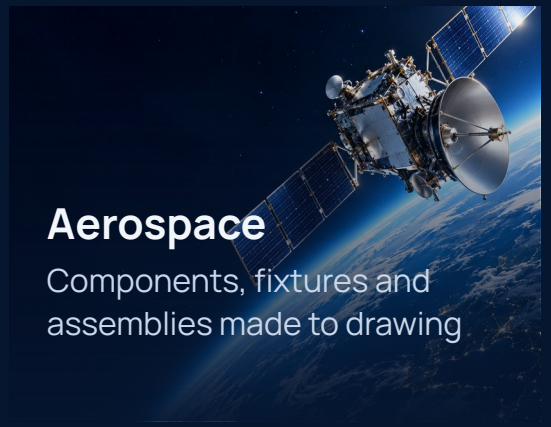
OUR FOCUS

Seven technology markets



Defence

Components for system and equipment manufacturers



Aerospace

Components, fixtures and assemblies made to drawing



Network

Enclosures and assemblies for communications and data systems



Energy

Parts for energy installations and electrical engineering



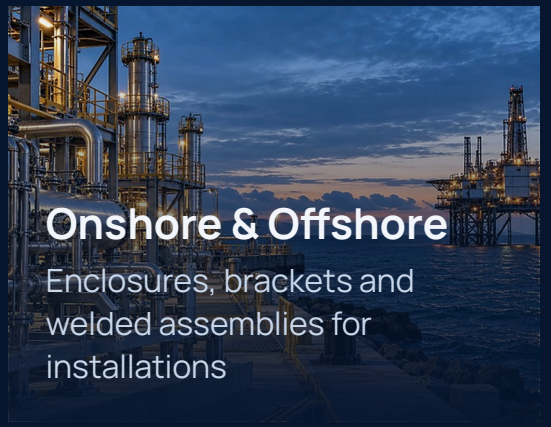
Industrial Automation

Components for machinery and automated systems



Rail & Mobility

Components for rail vehicles and infrastructure



Onshore & Offshore

Enclosures, brackets and welded assemblies for installations

ONE PRINCIPLE

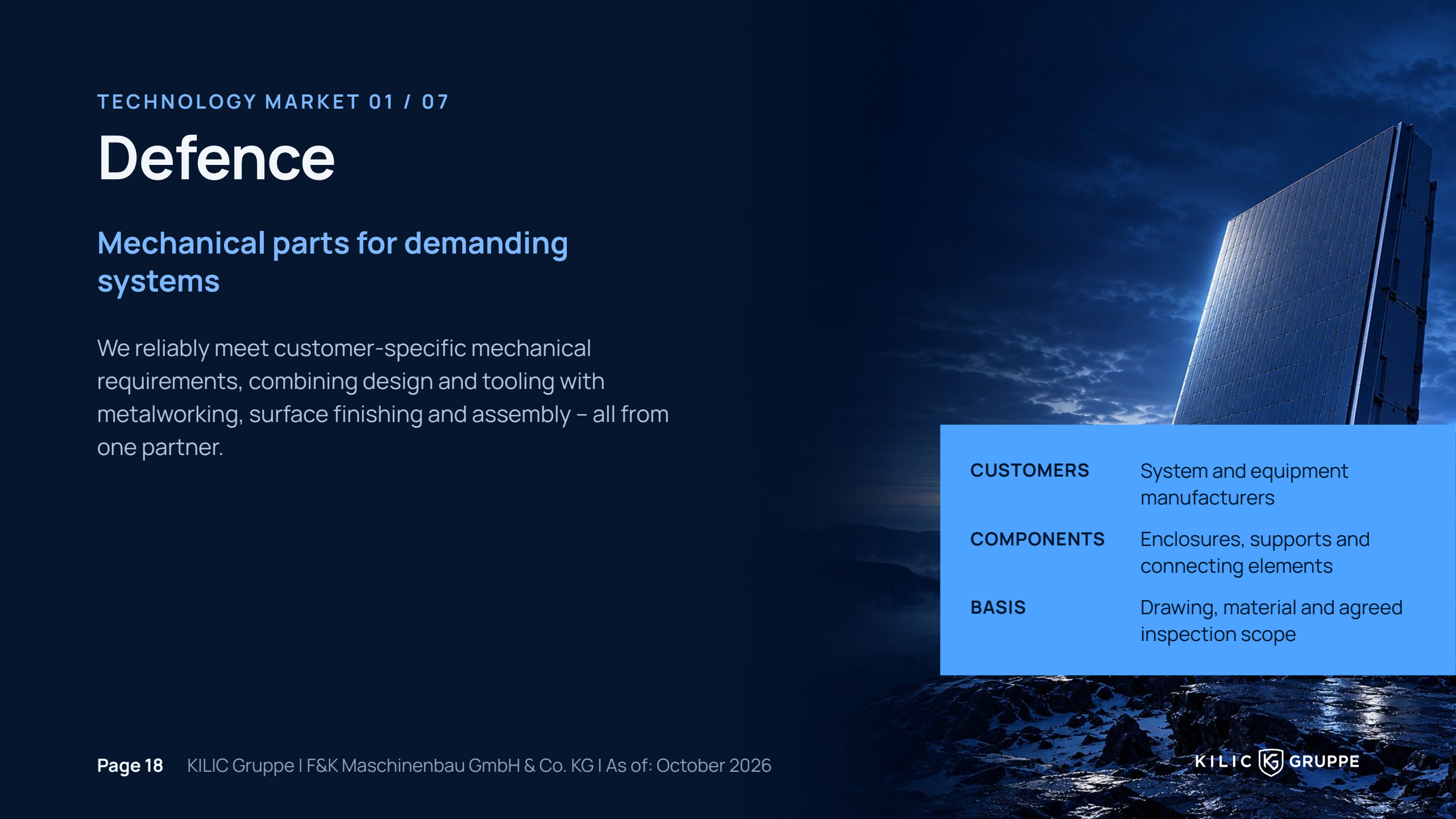
We tailor function, material, delivery condition and documentation to each application.

TECHNOLOGY MARKET 01 / 07

Defence

Mechanical parts for demanding systems

We reliably meet customer-specific mechanical requirements, combining design and tooling with metalworking, surface finishing and assembly – all from one partner.



CUSTOMERS	System and equipment manufacturers
COMPONENTS	Enclosures, supports and connecting elements
BASIS	Drawing, material and agreed inspection scope

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TECHNOLOGY MARKET 02 / 07

Aerospace

Components and assemblies to technical specification

Technical drawings and the required function are our starting point. We combine CAD design and tooling with metal and plastics processing.



COMPONENTS	Components, fixtures and assemblies made to drawing
AGREEMENT	Materials, interfaces and inspection criteria for each project
BEFORE START	Approvals and documentation agreed with the customer

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TECHNOLOGY MARKET 03 / 07

Network

Hardware for digital infrastructure

Mechanical structures house and protect electronics, integrating them into systems. We combine sheet metal fabrication and machining with surface finishing and assembly.



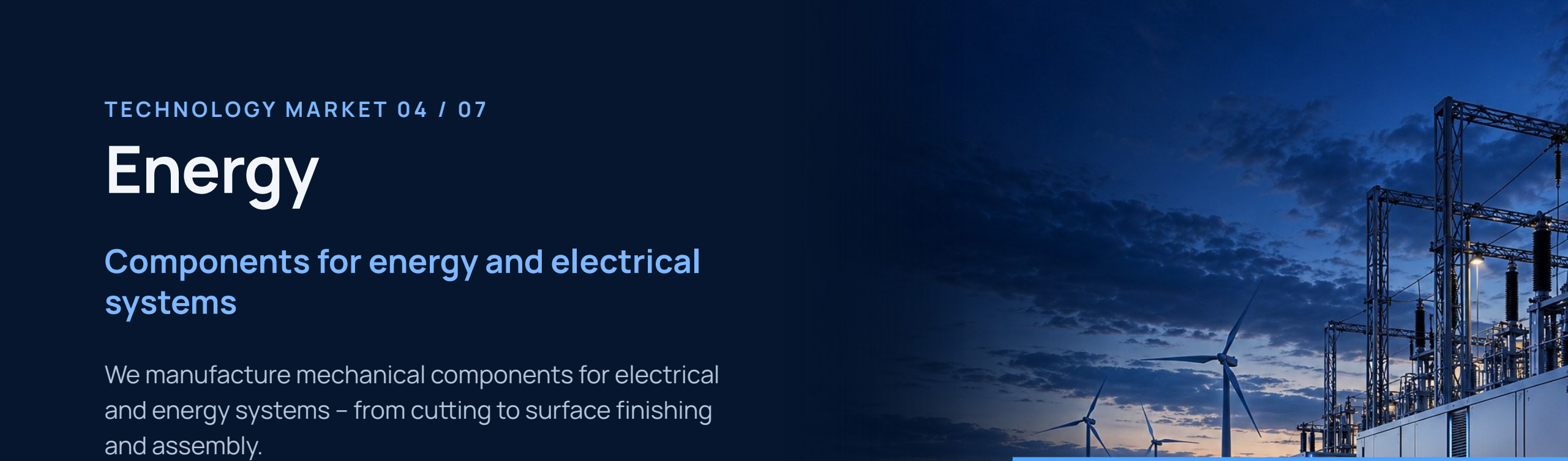
APPLICATION	Communications and data systems
COMPONENTS	Enclosures, chassis, supports and mounting elements
DESIGN	Installation space, accessibility and mechanical interfaces

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Energy

Components for energy and electrical systems

We manufacture mechanical components for electrical and energy systems – from cutting to surface finishing and assembly.



MATERIALS	Copper, steel, stainless steel and aluminium
COMPONENTS	Copper contacts for busbar trunking systems, enclosures and supports
DESIGN BASIS	Operating conditions, geometry and delivery condition

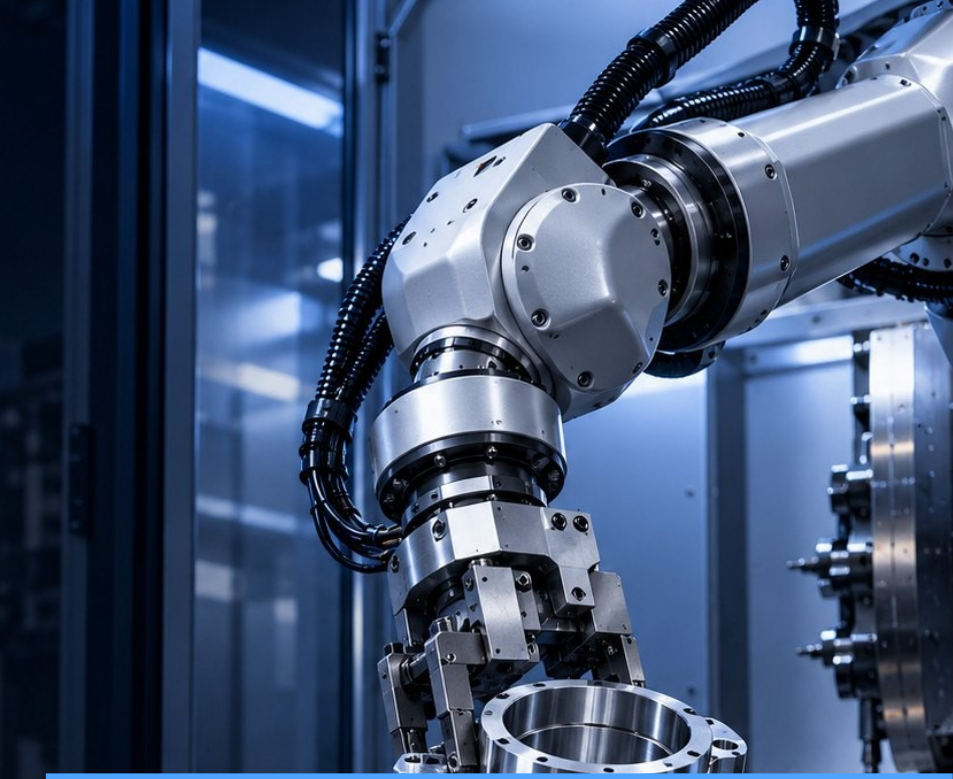
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TECHNOLOGY MARKET 05 / 07

Industrial Automation

Mechanical components for machinery and automated systems

For mechanical engineering and automation, we combine machining, sheet metal fabrication and assembly – for machinery and automated production lines.



COMPONENTS	Fixtures, brackets and enclosures
FOCUS	Interfaces, tolerances and surface finishes
PRODUCTION	Fully coordinated throughout series production

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TECHNOLOGY MARKET 06 / 07

Rail & Mobility

Components for rail vehicles and transport infrastructure

We manufacture custom enclosures, brackets and assemblies to drawing. Inspection criteria, surface finish and delivery condition are agreed for each project – through to assembly.



APPLICATION	Rail vehicles and transport infrastructure
COMPONENTS	Enclosures, brackets and assemblies to drawing
DESIGN BASIS	Material, loads and installation conditions

TECHNOLOGY MARKET 07 / 07

Onshore & Offshore

Components for onshore and offshore installations

We manufacture enclosures, brackets and welded assemblies for onshore and offshore installations – to drawing and tailored to the operating conditions.



APPLICATION
Onshore and offshore installations

COMPONENTS
Enclosures, brackets and welded assemblies

DESIGN BASIS
Drawings and operating conditions

CHAPTER 04

Our future

A new site in Köln-Lind and our goal: a CO_2 reduction of up to 1,000 t through sustainable manufacturing.

NEW SITE IN KÖLN-LIND

Expanding our manufacturing base

The planned site will advance our manufacturing – sustainable, with lower CO_2 emissions and space for new customer projects.

New manufacturing technology

New machines and automation are planned to support future production processes.

Material supply

A planned storage tower will integrate material supply directly into production.

Joint customer projects

We aim to develop new production lines together with our industrial customers.



Visualisation of the Köln-Lind site

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NEW SITE IN KÖLN-LIND

Our roadmap

01

PHASE 1

Planning

Site concept, buildings and energy supply

02

PHASE 2

Construction

Production hall and office building with solar panels

03

PHASE 3

Technology

New machines, automation and storage tower

04

PHASE 4

Move & ramp-up

Phased move while maintaining deliveries

05

PHASE 5

Full operation

New production lines with industrial customers

CLIMATE GOAL

Up to 1,000 t CO_2 reduction through sustainable manufacturing

PLANNED CERTIFICATIONS · Q3 / 2027

EN 9100, ISO 14001, ISO 50001 and ISO 45001

SUSTAINABLE MANUFACTURING

Ten actions. One goal.

At the new Köln-Lind site, we are planning energy, processes and material flow together from the outset – for manufacturing with substantially lower CO_2 emissions.

ISO 14001 and ISO 50001 certification planned for Q3 / 2027



ENERGY

Factory rooftop solar power
Heat pump for factory and office
Heat recovery from the nitrogen compressor

PROCESSES & BUILDINGS

Electric powder coating
Efficient plant & compressed air
LED lighting

MATERIALS & LOGISTICS

Green steel and copper recycling
Material flow via storage tower
E-mobility and charging points

MEASURES AT THE NEW SITE

Our actions in detail

Ten actions in three areas – supported by responsibility in the supply chain. Together, they contribute to our goal of reducing CO_2 emissions by up to 1,000 t.

Energy

- Factory rooftop solar panels
- Heat pump for factory and office
- Heat recovery from the nitrogen compressor

Processes & buildings

- All-electric powder coating instead of gas
- Energy-efficient machines and compressed air
- LED lighting

Materials & logistics

- Steel with lower CO_2 emissions
- Recycling of copper and metal swarf
- Material flow via storage tower
- E-mobility and charging points

Supply chain

For us, sustainability also means responsibility and transparency throughout the supply chain.

KILIC GRUPPE

CONTACT

Your next manufacturing project

Talk to us about your assembly or manufacturing requirements. Together, we will define the technical starting point and the right scope of services.

F&K Maschinenbau GmbH & Co. KG

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Visualisation of the new Köln-Lind site

As of: October 2026. Details of the Köln-Lind site, CO_2 targets and planned certifications reflect the current planning status.

Precision that **connects.**

Security · Transparency · Trust

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