

GENERATIVE AI IN MANUFACTURING

Manufacturing Use Cases & Measurable Impact

THE AI-DRIVEN PRODUCTION EXPERIENCE

Helping manufacturers run smart and adaptive operations.

44%

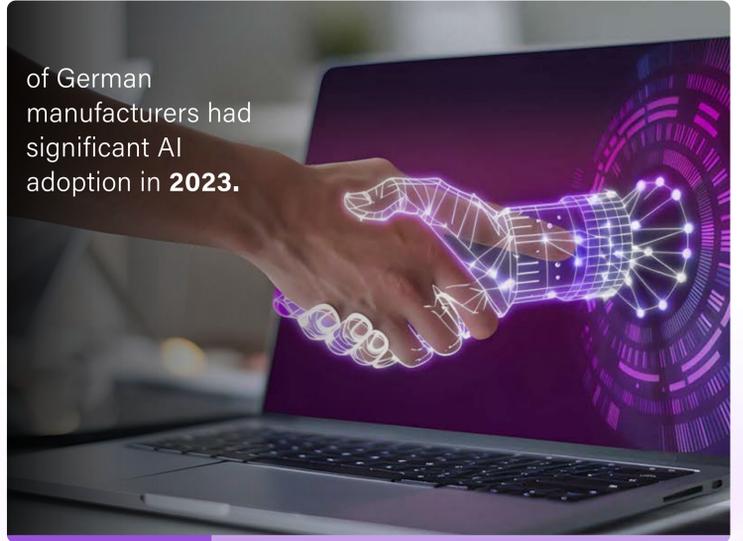
of manufacturers have implemented or are planning digital twins to **optimize workflows.**

AI AND THE WORKFORCE

Reimagining industrial work through human + AI collaboration.

ONLY 13%

of German manufacturers had significant AI adoption in **2023.**



THE PROTOTYPING BREAKTHROUGH

Overcoming slow R&D cycles with AI-accelerated design.



ROBOTS IN THE WILD

Scaling autonomy across real-world, unpredictable environments.

Manufacturers globally are rapidly increasing investment in AI-driven robotics, with over **US \$1 billion** spent on generative AI in manufacturing in 2023.

37.7% CAGR

Forecasted growth rate of Generative AI in the manufacturing sector (2024–2029), driven by design, simulation, and prototyping use cases.

PREDICTIVE INTELLIGENCE DNA

Creating a self-improving manufacturing engine.

20% to 50% Faster Cycles

Enabled by digital twin technology, helping manufacturers accelerate design, testing, and predictive operations.



STRATEGIC VALUE CREATION

Building the next generation of intelligent manufacturing ecosystems.

US\$43.6 billion → US\$153.9 billion

Industrial AI market growth forecast from 2024 to 2030, reflecting massive transformation value.