

February 2024

German Electro and Digital Industry – Facts & Figures

General data

Turnover of €239 billion 2023

- 10% of total German industrial output,
- One fifth of sales with new products

At present 908 thousand domestic employees

- 2nd largest branch of industry in Germany, 60% MINT employees, 4% apprentices
- 107 R&D employees (2021)

Additional 811,000 employees abroad (2021)

Added Value (2021)

- €91 billion => added value ratio of 42%
- 2.5% of German GDP
- 44% of added value in electric industry in EU

Broad-based product portfolio (2023)

- 78% industrial goods (e.g. automation, energy technology, medical engineering)
- 16% intermediate goods (semiconductors)
- 6% consumer goods (household appliances, consumer electronics, lighting)

Investment (2022): €9.0 billion (+24.5%)

R&D (2022): €22.1 billion (+3.9%)

Innovation expenditures (2022): €29.4 billion (+5.4%)

- 7 out of 10 firms regularly come up with product or process innovations
- 13,300 patent applications per year
- Driving force for each third industrial innovation in Germany
- 17% of all “hidden champions” in Germany

Foreign trade / foreign direct investment

Exports (including re-exports), 2023

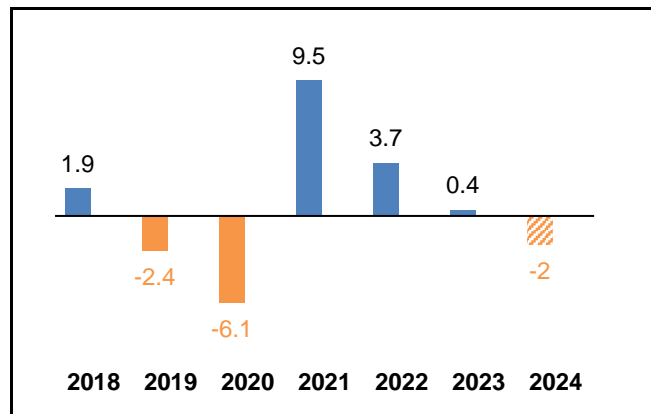
- **total: €253.8 billion (+2.7%)**
- **to industrialized countries:** €165.0 bn (+2.2%)
 - USA: €24.9 billion (+5.4%)
 - United Kingdom: €9.8 billion (+2.8%)
- **to emerging markets:** €88.8 billion (+3.7%)
 - China: €25.6 billion (-3.5%)
 - Mexico: €3.5 billion (+22.0%)
- **to Europe:** €160.3 billion (+3.2%)
 - Euro zone: €86.3 billion (+5.6%)
 - Netherlands: €16.3 billion (+13.3%)
 - France: €15.9 billion (+2.6%)

Imports, 2023: €268.7 bn (+2.1%)

Stock of foreign direct investment (FDI) (2021): €48.6 billion

- 13% of total German industry's FDI stock

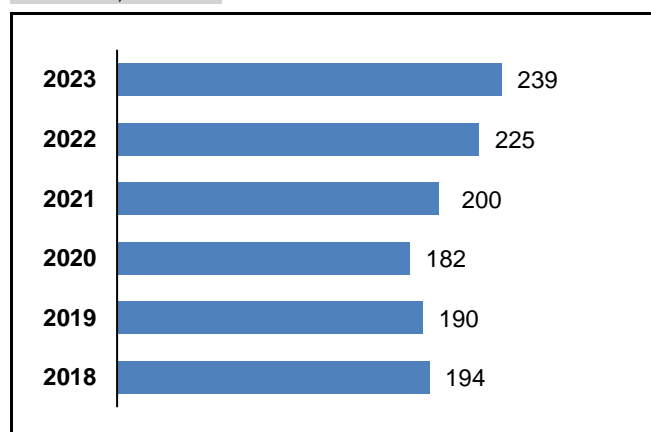
Production (adjusted for price), % change



Current business cycle

	<u>2022</u>	<u>Jan. -Dec. 2023</u>
	Yoy	Yoy
Production (real)	+3.7%	+0.4%
Turnover/sales	+12.0%	+6.6%
Exports	+9.2%	+2.7%
Imports	+18.9%	+2.1%
New orders	+10.2%	-2.2%
	<u>Q3 2023</u>	<u>Q4 2023</u>
Capacity utilization	85%	80.5%
Reach of unfilled orders (months)	5.1	4.1

Turnover, billion €



Contact

Matthias Düllmann • Data Analyst • Global Affairs and Economics • Economic Policy and Statistics
Fon: +49 69 6302 329 • Mobil: +49 162 2664 942 • E-Mail: Matthias.Duellmann@zvei.org

ZVEI e. V. • Electro and Digital Industry Association • Lyoner Straße 9 • 60528 Frankfurt am Main • Germany
Lobbying Register ID: R002101 • EU Transparency Register ID: 94770746469-09 • www.zvei.org