

March 2021

German Electric Industry – Facts & Figures

General data

Turnover of €181.9 billion 2020

- 10% of total German industrial output, about 3% of gross domestic product (GDP)
- One quarter of sales with new products

At present 867,500 domestic employees

- 2nd largest branch of industry in Germany, 60% MINT employees, 4% apprentices
- 93,000 R&D employees

Additional 790,000 employees abroad (2018)

Added Value

- €89 billion
- Added value over production ratio of 44%, highest figure among all big industry branches in Germany
- 38% of added value in electric industry in EU

Broad-based product portfolio

- 79% industrial goods (e.g. automation, energy technology, medical engineering)
- 13% intermediate goods (semiconductors)
- 8% consumer goods (household appliances, consumer electronics, lighting)

Investment, 2020: €6.2 billion (-17.6%)

Research & Development: €19.6 billion (+5.0%)

Innovation expenditures: €27.4 billion (-0.4%)

- 3 out of 4 firms regularly come up with product or process innovations
- 13,500 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), 2020 (preliminary)

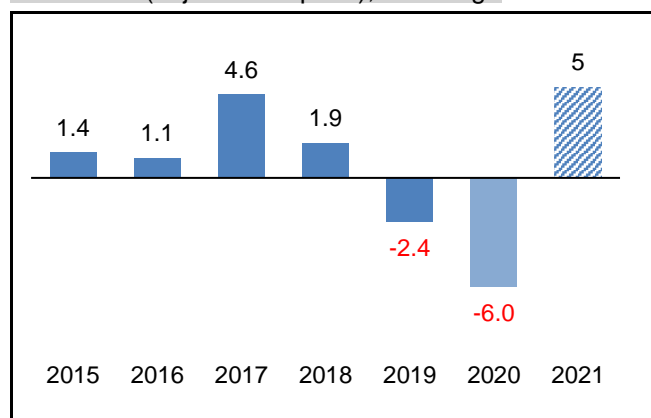
- **total: €202.7 billion (-5.7%)**
- **to industrialized countries: €128.9bn (-7.0%)**
 - USA: €17.3 billion (-9.8%)
 - United Kingdom: €8.6 billion (-12.1%)
- **to emerging markets: €73.8 billion (-3.3%)**
 - China: €23.3 billion (+6.5%)
 - BRICS: €31.2 billion (-0.5%)
- **to Europe: €129.3 billion (-5.5%)**
 - Euro zone: €63.3 billion (-7.4%)
 - France: €12.1 billion (-11.1%)
 - Italy: €9.4 billion (-7.3%)

Imports 2020: €189.9 billion (-2.1%)

Stock of foreign direct investment (FDI), 2018: €53.5 billion

- 18% of total German industry's FDI stock

Production (adjusted for price), % change



Current business cycle

	2020	January 2021
	yoy	Yoy
Production (real)	-6.0%	-4.0%
Turnover/sales	-5.0%	-3.2%
Exports	-5.7%	-5.0%
Imports	-2.1%	+0.9%
New orders	-3.3%	+2.3%
	Q4 2020	Q1 2021
Capacity utilization	80.8%	82.0%
Reach of unfilled orders (months)	3.4	3.3

Turnover, billion €

