



Tesseron
WORLD OBSERVATORY

Germany

Economic structure and development

A guided country report based on the UN Statistics Division Analysis of Main Aggregates.

SOURCE	UN Statistics Division Analysis of Main Aggregates
RELEASE	2026-01-28_89ede278
PUBLISHED HISTORY	1970-2024
COUNTRY IDENTITY	UN M49 276
ANALYTICAL FRAME	1970-1990 1990-2010 2010-current
REPORT TYPE	Country economy historical observations no projections
DESIGN STANDARD	UNSD AMA Country Report Design Standard v1.1

This report contains published historical observations and transparent derivations. It contains no forecast. Current U.S.-dollar values are not PPP adjusted, and descriptive changes do not establish causes.

HOW TO READ THIS REPORT

One question, one period, one conclusion

The report repeats a stable analytical grammar so every topic can be read on the same historical frame.

1 | Follow the eight subject journeys

Scale, income per person, growth and prices, consumption, investment, trade, industry mix, and manufacturing are explained in sequence.

2 | Compare the same three periods

1970-1990, 1990-2010, and 2010-current recur throughout the report. The actual ending year is always printed.

3 | Keep basis and status attached

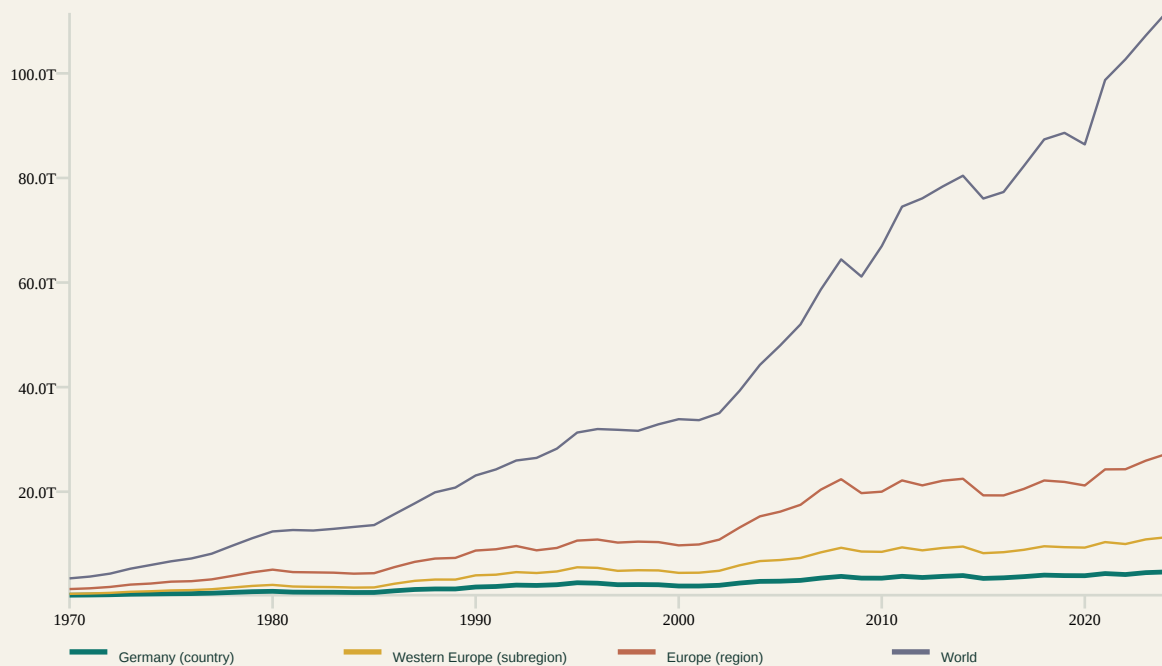
Current and constant prices, levels, shares, rates, published values, and transparent derivations are never silently combined.

4 | Read position as context

Benchmarks, ranks, specialization, and world contribution locate the country; they are not synthetic scores of quality.

The full record provides context for every selected period

1970-2024 | U.S. dollars | current prices



Source: UN Statistics Division, Analysis of Main Aggregates.

EXECUTIVE VIEW

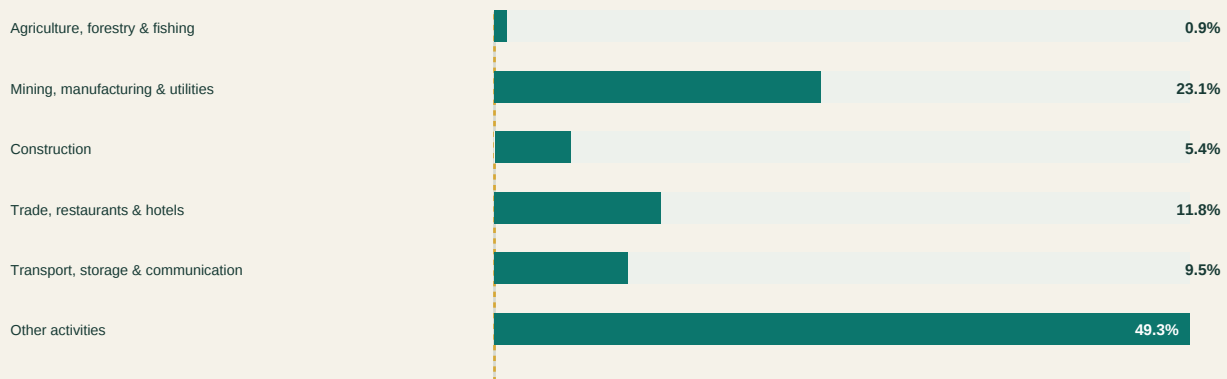
What should the reader know first?

Latest observations orient the reader; the subject chapters explain how the economy reached this position.

Measure	Latest	5 year	10 year	20 year	vs region	vs world	Rank
Economic size and world position	\$4.66 trillion 2024	+3.3% CAGR	+1.6% CAGR	+2.5% CAGR	+17.1	+4.2	3 / 210
Output and income per person	\$48,725 2024	-0.2% CAGR	+0.5% CAGR	+1.0% CAGR	+153.3	+395.3	-
Real growth and output prices	-0.2% 2024	+0.1%	+0.9%	+1.2%	-1.6	-3.1	188 / 210
Consumption and domestic demand	52.7% 2024	-0.0 pp	-1.0 pp	-4.2 pp	-0.8	-3.9	-
Investment and capital formation	21.0% 2024	-0.3 pp	+0.9 pp	+2.0 pp	-0.7	-4.9	-
Trade structure and external balance	79.7% 2024	+0.5 pp	+2.8 pp	+16.8 pp	-8.7	+22.6	-
Manufacturing position	19.7% 2024	-2.0 pp	-2.9 pp	-2.3 pp	+5.1	+4.0	-

Current production structure

Share of total gross value added



Source: UN Statistics Division, Analysis of Main Aggregates.

Germany's nominal GDP was \$4.66 trillion in 2024, ranking 3 among 210 countries and areas with comparable data.

Real GDP's ten-year average annual growth rate was +0.9% through 2024.

Real GDP per person increased 5.3% from 2014 to 2024.

Trade openness increased by 2.8 percentage points from 2014 to 2024.

Among the six broad activities, mining, manufacturing and utilities recorded the largest ten-year share decline (-1.8 percentage points).

Manufacturing's share of gross value added was 4.0 percentage points above the world share in 2024.

ANALYTICAL PERIODS

Three fixed historical lenses across every topic

AMA is historical-only. The report does not convert recent change into a projection.

Topic	1970-1990	1990-2010	2010-2024
Economic size and world position	+11.1% CAGR	+3.4% CAGR	+2.1% CAGR
Output and income per person	+2.5% CAGR	+1.4% CAGR	+0.8% CAGR
Real growth and output prices	+2.6%	+1.7%	+1.3%
Consumption and domestic demand	+0.8 pp	-0.0 pp	-3.0 pp
Investment and capital formation	-8.0 pp	-5.7 pp	+1.5 pp
Trade structure and external balance	+14.1 pp	+28.2 pp	+5.8 pp
Manufacturing position	-6.3 pp	-6.1 pp	-2.1 pp

Economic scale across the recurring analytical frame

1970-2024 | U.S. dollars | current prices



Source: UN Statistics Division, Analysis of Main Aggregates.

1970-1990 establishes the earlier economic structure. 1990-2010 follows the transition into the modern record. 2010-2024 explains the latest published position.

ECONOMIC DASHBOARD

Eight connected subject journeys

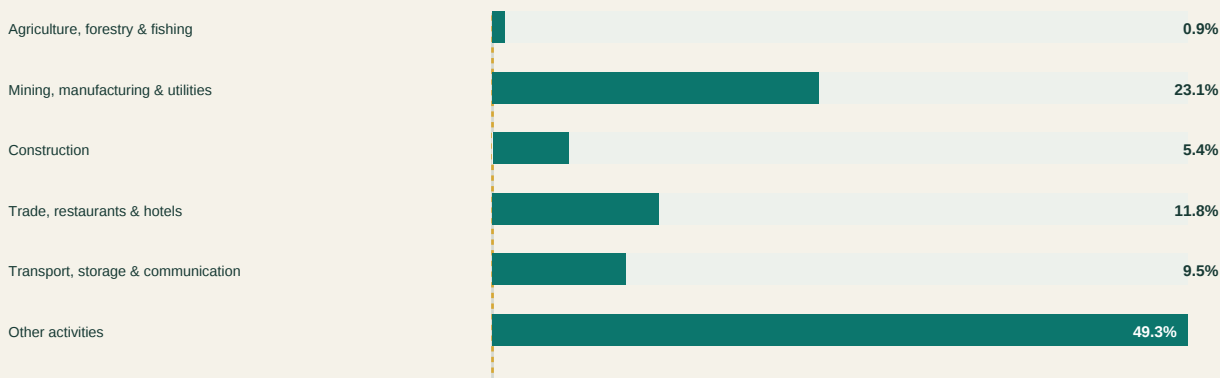
No single measure is treated as a complete account of the economy.

Measure	Latest	5 year	10 year	20 year	vs region	vs world	Rank
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Investment and capital formation	21.0% 2024	-0.3 pp	+0.9 pp	+2.0 pp	-0.7	-4.9	-
Trade structure and external balance	79.7% 2024	+0.5 pp	+2.8 pp	+16.8 pp	-8.7	+22.6	-
Manufacturing position	19.7% 2024	-2.0 pp	-2.9 pp	-2.3 pp	+5.1	+4.0	-

Activity	1970	1990	2010	2024
Agriculture, forestry and fishing	3.2%	1.3%	0.9%	0.9%
Mining, manufacturing and utilities	39.2%	31.5%	25.1%	23.1%
Construction	8.8%	6.1%	4.1%	5.4%
Trade, restaurants and hotels	13.9%	12.8%	11.4%	11.8%
Transport, storage and communication	6.8%	6.2%	9.0%	9.5%
Other activities	28.1%	42.1%	49.6%	49.3%

Latest broad-industry mix

Six mutually exclusive activities; share of total GVA



Source: UN Statistics Division, Analysis of Main Aggregates.

CONTENTS

From economic scale to production structure

Every standard topic includes an overview, three period pages, and a global-context page. Industry mix receives an expanded nine-page journey.

01	Economic size and world position	How large is the economy?
02	Output and income per person	What do output and national income per person show?
03	Real growth and output prices	How has real activity changed?
04	Consumption and domestic demand	How is current output used for consumption?
05	Investment and capital formation	How much output is directed toward capital formation?
06	Trade structure and external balance	How exposed is the economy to trade?
07	Industry mix and structural change	Current mix four benchmark years three structural periods real activity growth specialization world contribution
08	Manufacturing position	What role does manufacturing play domestically and globally?
09	Synthesis, trust, and appendix	Cross-topic comparison rank movement methods source record limitations source inventory

REPEATING CHAPTER GRAMMAR

Page	Analytical job	Evidence carried forward
Overview	Define the reader question and show the full record	Three-period results, principal time series, related measures
1970-1990	Explain the earlier structural history	Start, end, change, highlighted history, benchmark
1990-2010	Explain the middle structural history	Start, end, change, highlighted history, benchmark
2010-2024	Explain the latest reported position	Start, end, change, highlighted history, benchmark
Global context	Locate the country in compatible geography	Subregion, region, world, rank and universe

WHY INDUSTRY MIX IS LONGER

Industry mix must show composition and real activity together. Its expanded journey adds four benchmark years, three explicit structural-change pages, real growth by activity, specialization against three geographic levels, and each activity's contribution to world value added.

ECONOMIC SIZE AND WORLD POSITION

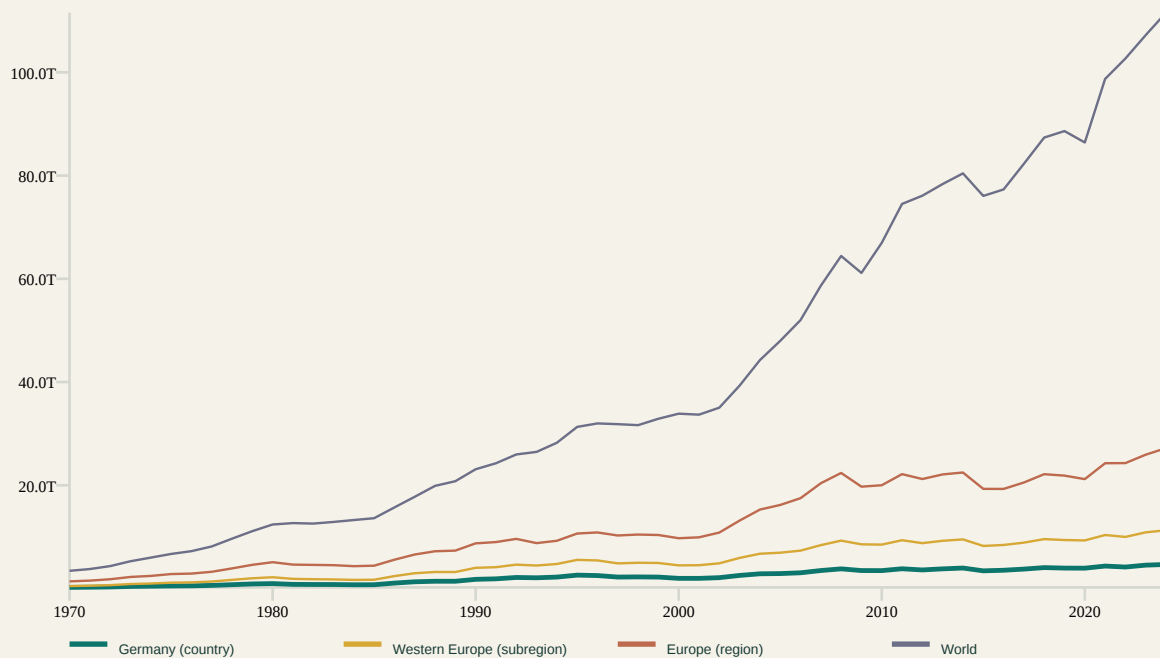
How large is the economy?

Nominal scale, real output, national income and world position are kept analytically distinct.

EARLIER STRUCTURAL HISTORY	MIDDLE STRUCTURAL HISTORY	RECENT HISTORY
+11.1% CAGR	+3.4% CAGR	+2.1% CAGR
1970-1990	1990-2010	2010-2024

Nominal GDP: full AMA record

1970-2024 | U.S. dollars | current prices



Source: UN Statistics Division, Analysis of Main Aggregates.

Measure	Latest	5 year	10 year	20 year	vs region	vs world	Rank
Nominal GDP	\$4.66 trillion 2024	+3.3% CAGR	+1.6% CAGR	+2.5% CAGR	+17.1	+4.2	3 / 210
Real GDP	\$4.12 trillion 2024	+0.1% CAGR	+0.9% CAGR	+1.1% CAGR	+17.3	+4.1	-
Gross national income	Unavailable -	-	-	-	-	-	-
Share of world GDP	4.2% 2024	-0.3 pp	-0.8 pp	-2.3 pp	-20.2	-95.8	-

Current U.S.-dollar GDP includes price and exchange-rate movement. Real GDP is the volume measure.

REAL GROWTH AND OUTPUT PRICES | RECENT HISTORY

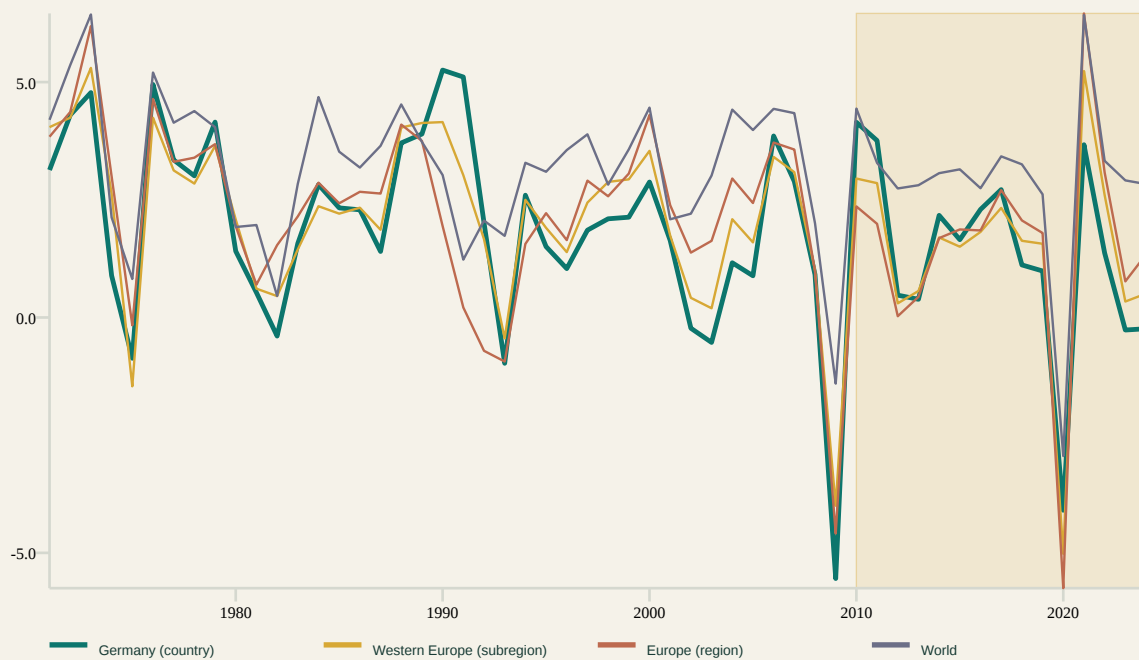
What changed from 2010 to 2024?

Germany's real gdp growth increased between 2010 and 2024, moving from 4.1% to -0.2%. The average annual rate was +1.3%. At the latest common year, the country-world gap is -3.1 percentage points. No political or economic cause is inferred from the accounting observations alone.

START	END	CHANGE	OBSERVATIONS
4.1%	-0.2%	+1.3%	15
2010	2024	Average annual rate	Annual records in lens

Real GDP growth

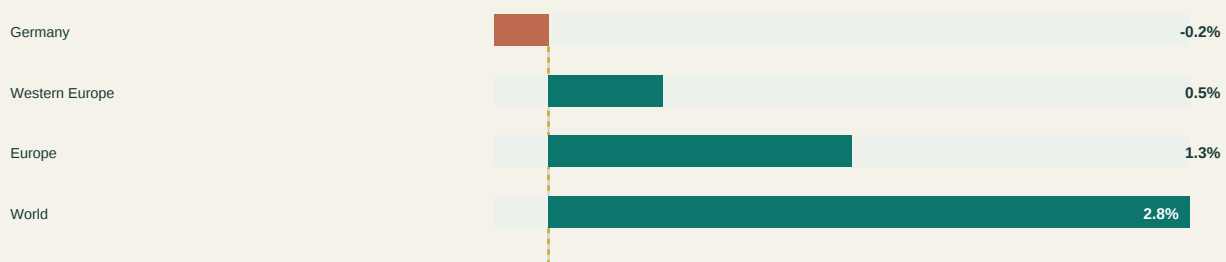
1971-2024 | percent | constant prices



Source: UN Statistics Division, Analysis of Main Aggregates.

Latest compatible geographic position

Country and official UN aggregate benchmarks in 2024



Source: UN Statistics Division, Analysis of Main Aggregates.

The implicit GDP deflator covers domestically produced output and is not a consumer price index.

TRADE STRUCTURE AND EXTERNAL BALANCE

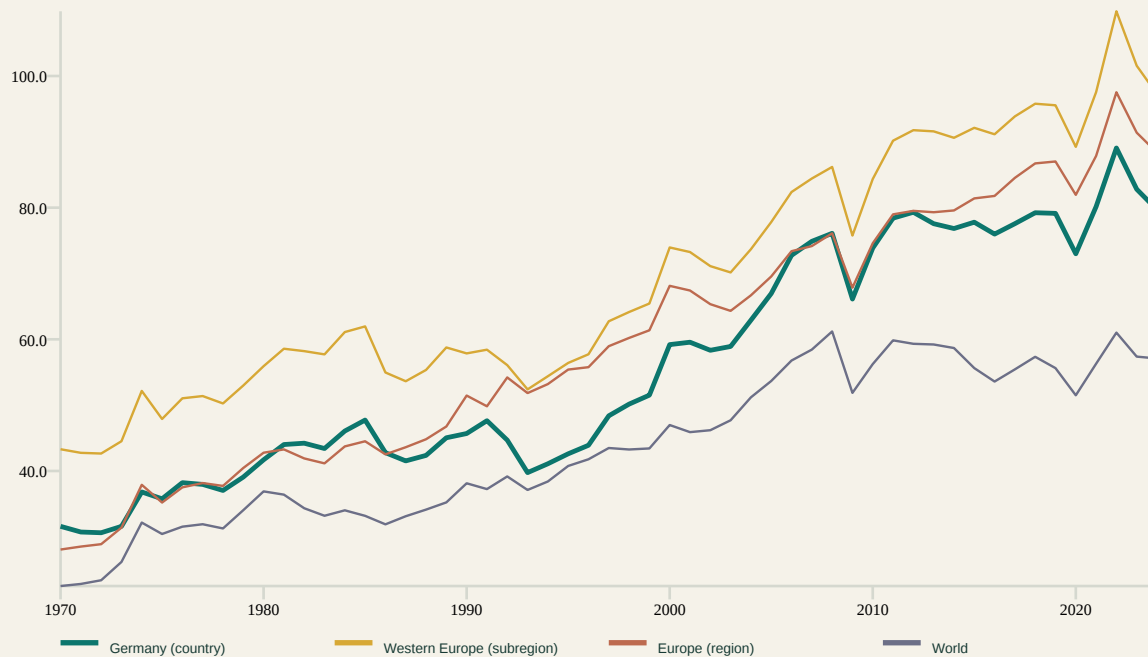
How exposed is the economy to trade?

Trade exposure, exports, imports and the external balance remain separate statements.

EARLIER STRUCTURAL HISTORY	MIDDLE STRUCTURAL HISTORY	RECENT HISTORY
+14.1 pp	+28.2 pp	+5.8 pp
1970-1990	1990-2010	2010-2024

Trade openness: full AMA record

1970-2024 | percent | current prices | compatible ratio



Source: UN Statistics Division, Analysis of Main Aggregates.

Measure	Latest	5 year	10 year	20 year	vs region	vs world	Rank
Exports	41.8% 2024	-0.6 pp	+0.1 pp	+7.9 pp	-4.2	+12.8	-
Imports	37.9% 2024	+1.1 pp	+2.7 pp	+8.9 pp	-4.5	+9.8	-
Net exports	3.9% 2024	-1.7 pp	-2.6 pp	-1.0 pp	+0.3	+3.0	-
Trade openness	79.7% 2024	+0.5 pp	+2.8 pp	+16.8 pp	-8.7	+22.6	-

Trade openness is exports plus imports relative to GDP; it is not a trade-surplus measure.

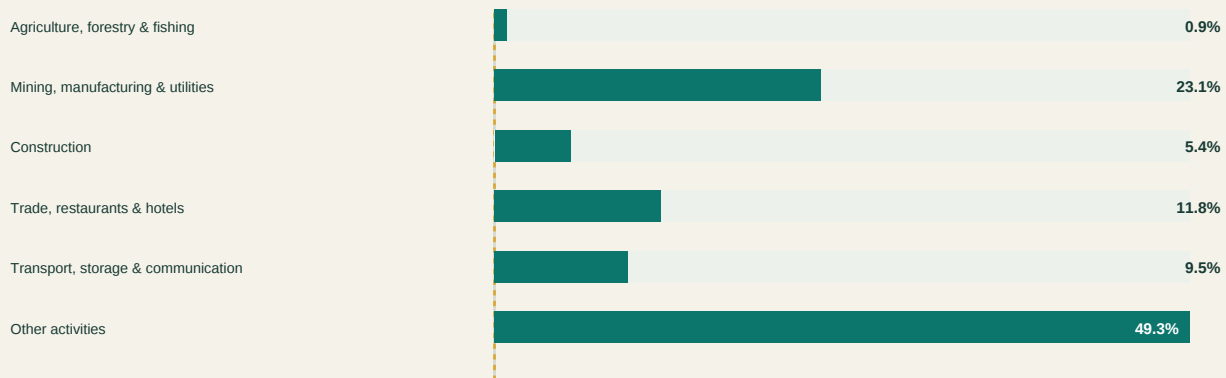
INDUSTRY MIX AND STRUCTURAL CHANGE

Where is value added produced now?

In 2024, other activities was the largest available broad activity at 49.3% of gross value added; agriculture, forestry and fishing was the smallest at 0.9%.

Current broad-industry composition

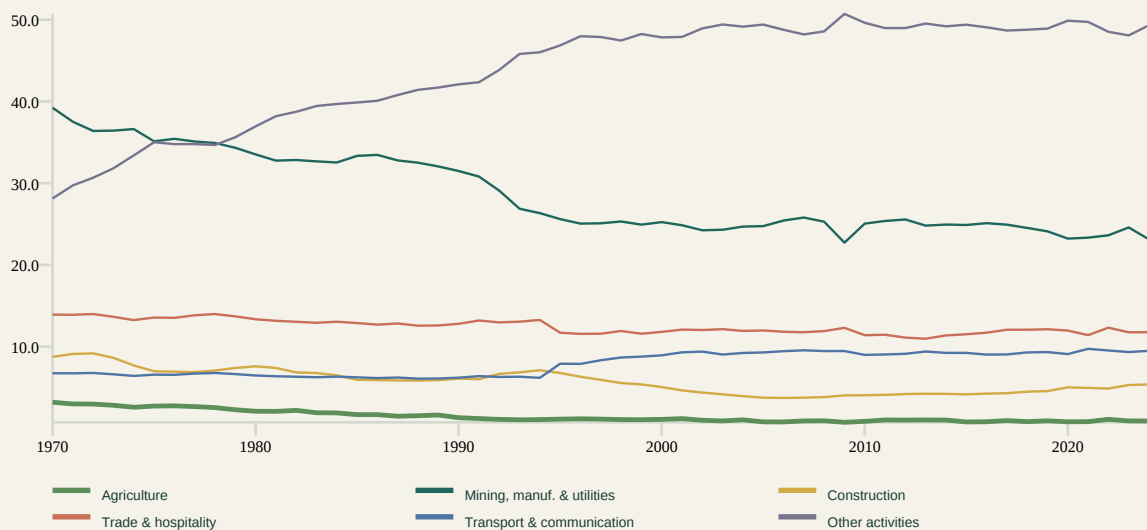
Share of total gross value added; six mutually exclusive activities



Source: UN Statistics Division, Analysis of Main Aggregates.

Industry composition across the full AMA record

1970-2024 | percent | current prices | share of gross value added



Source: UN Statistics Division, Analysis of Main Aggregates.

Measure	Latest	5 year	10 year	20 year	vs region	vs world
Agriculture, forestry and fishing	0.9% 2024	-0.0 pp	-0.1 pp	-0.1 pp	-0.9	-3.4
Mining, manufacturing and utilities	23.1% 2024	-1.0 pp	-1.8 pp	-1.6 pp	+3.9	+2.0
Construction	5.4% 2024	+0.8 pp	+1.2 pp	+1.4 pp	-0.3	-0.4
Trade, restaurants and hotels	11.8% 2024	-0.4 pp	+0.4 pp	-0.2 pp	-2.3	-2.7
Transport, storage and communication	9.5% 2024	+0.2 pp	+0.3 pp	+0.3 pp	-0.4	-0.3
Other activities	49.3% 2024	+0.4 pp	+0.1 pp	+0.2 pp	+0.0	+4.9

AMA activity values measure gross value added, not sales, revenue, shipments, gross output, or physical production.

INDUSTRY MIX | RECENT HISTORY

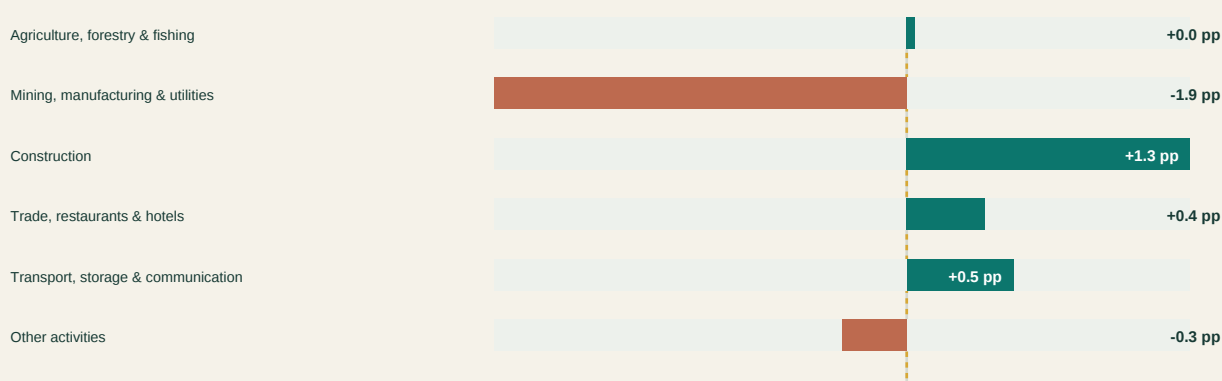
How did the production structure change from 2010 to 2024?

The largest share gain was in construction (+1.3 percentage points), while the largest decline was in mining, manufacturing and utilities (-1.9 points). These are changes in composition; the national-accounts observations alone do not establish their causes.

Activity	Start	End	Change
Agriculture, forestry and fishing	0.9% (2010)	0.9% (2024)	+0.0 pp
Mining, manufacturing and utilities	25.1% (2010)	23.1% (2024)	-1.9 pp
Construction	4.1% (2010)	5.4% (2024)	+1.3 pp
Trade, restaurants and hotels	11.4% (2010)	11.8% (2024)	+0.4 pp
Transport, storage and communication	9.0% (2010)	9.5% (2024)	+0.5 pp
Other activities	49.6% (2010)	49.3% (2024)	-0.3 pp

Change in share of total gross value added

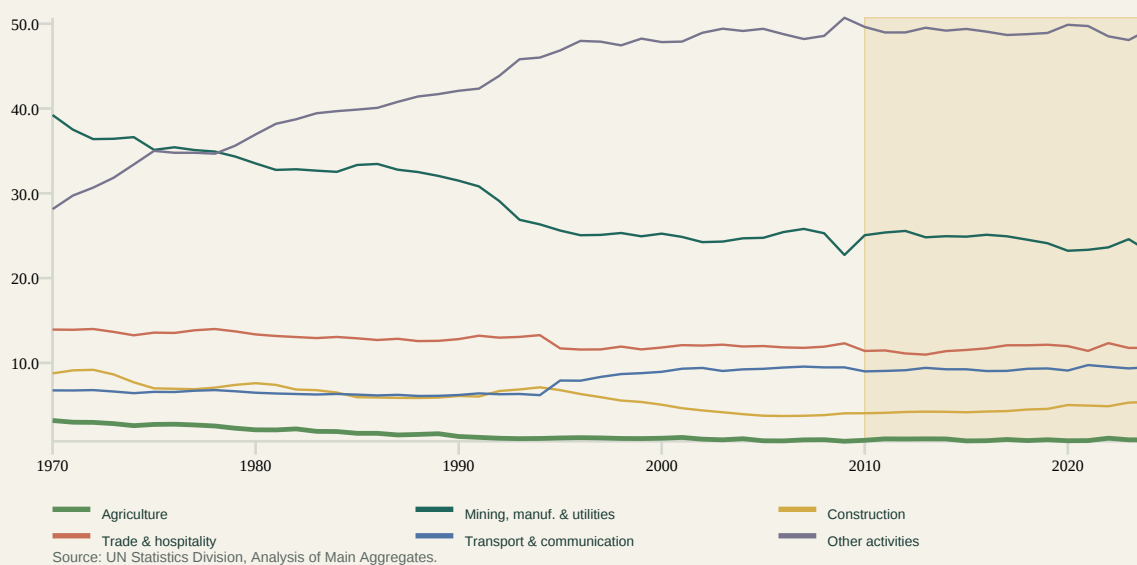
Percentage-point change from 2010 to 2024



Source: UN Statistics Division, Analysis of Main Aggregates.

Composition history with the selected period highlighted

1970-2024 | percent | current prices | share of gross value added



AMA activity values measure gross value added, not sales, revenue, shipments, gross output, or physical production.

MANUFACTURING POSITION

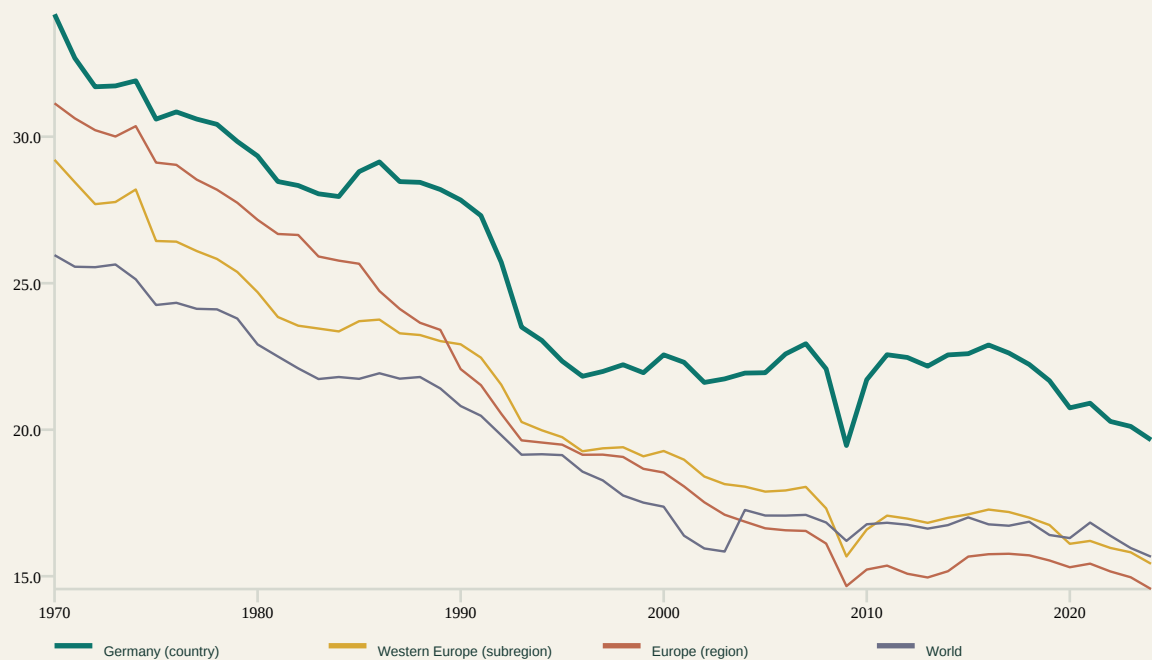
What role does manufacturing play domestically and globally?

Domestic share, parent-industry share, real growth and world contribution form one connected view.

EARLIER STRUCTURAL HISTORY	MIDDLE STRUCTURAL HISTORY	RECENT HISTORY
-6.3 pp	-6.1 pp	-2.1 pp
1970-1990	1990-2010	2010-2024

Manufacturing share of total GVA: full AMA record

1970-2024 | percent | current prices | national-currency accounts



Source: UN Statistics Division, Analysis of Main Aggregates.

Measure	Latest	5 year	10 year	20 year	vs region	vs world	Rank
Share of total GVA	19.7% 2024	-2.0 pp	-2.9 pp	-2.3 pp	+5.1	+4.0	-
Share of parent activity	85.0% 2024	-4.9 pp	-5.4 pp	-3.8 pp	+9.3	+10.9	-
Real manufacturing growth	-2.9% 2024	-0.2%	+0.7%	+1.6%	-2.9	-5.9	176 / 210
Share of world manufacturing	5.0% 2024	-0.6 pp	-1.3 pp	-2.8 pp	-16.4	-95.0	3 / 210

Manufacturing is nested within mining, manufacturing and utilities; it is not a seventh broad-industry slice.

ABOUT THE ANALYSIS

How every period result is calculated

The method is deterministic and uses only the frozen, validated country context.

Result	Method	Used for
Absolute change	End minus start	Levels
Percentage change	$(\text{end} / \text{start} - 1) \times 100$	Comparable positive levels
Compound annual growth	$(\text{end} / \text{start})^{(1 / \text{years})} - 1$	Level series
Percentage-point change	Ending share minus starting share	Shares and rates
Period-average growth	Arithmetic mean of observed annual rates	Real growth series
Trade openness	$(\text{exports} + \text{imports}) / \text{GDP} \times 100$	Trade exposure
Location quotient	Country activity share / benchmark activity share	Industry specialization
World contribution	Country activity value / world activity value $\times 100$	Industry scale

PRODUCTION CONTRACT

The validated release is joined by UN M49, then one country context is frozen and checksummed. The versioned page model renders both full and preview PDFs. The manifest records the context, template, page inventory, calculations, files, checksums, and validation state.

UNAVAILABLE EVIDENCE

When the requested period lacks a compatible observation, the result remains unavailable. The builder does not silently replace the measure, period, price basis, or comparison year.

REPRODUCIBLE REPORT CHAIN

Step	Deterministic action	Recorded evidence
1. Validate release	Check immutable source files and release manifest	Source role, size, checksum, release identity
2. Build context	Join the country and official aggregates by UN M49	Observation basis, years, benchmarks, ranks
3. Freeze context	Serialize one canonical country evidence package	Context schema and context SHA-256
4. Expand page model	Apply versioned topics, periods, and page grammar	Ordered page keys, titles, kinds, figures, tables
5. Render outputs	Build full and preview PDFs from the same model	Page counts and PDF SHA-256 values
6. Inspect	Validate structure and render every page to PNG	Validation state and visual review artifacts