

Press release: 13 106-234/23

Turnover in industry and construction decreased in May 2023

Turnover 4.4% below previous year, decline also in hours worked, slight increase in employment

Vienna, 2023-06-30 – Turnover in industry and construction fell by 4.4% in May 2023 compared with May of the previous year, according to flash estimates by Statistics Austria. The index of hours worked declined by 5.1% in the same period, while the employment index increased by 0.7%.

“In May 2023, the turnover of Austrian industrial and construction enterprises fell for the second time in a row: according to a flash estimate, it was 4.4 % below the result of May of the previous year. Hours worked declined by 5.1% in the same period, while there was a slight increase of 0.7% in employment,” says Statistics Austria Director General Tobias Thomas.

Considering the industrial and the construction sector separately, the flash estimates for **May 2023** showed a decrease of the turnover index in industry (–4.2%) as well as in construction (–5.8%) compared to the same month of the previous year. The index of hours worked decreased in industry (–4.0%) as well as in construction (–8.4% compared to May 2022). The index of persons employed showed a slight increase in industry (+1.0%), the construction sector fell by 0.2% compared to the previous year (see table 1).

Turnover in the industry and construction sector stagnates in March 2023

In **March 2023**, a total of 80 314 **enterprises** in the entire **industry and construction sector** reported a turnover of € 39.9 bn (+0.3% compared to March 2022). At the same time, the number of employees rose by 1.2% to 1 026 449. The 42 183 Austrian **construction** enterprises achieved a turnover of € 5.7 bn in March 2023. This corresponds to a nominal increase of 4.3% compared to March 2022 (see table 2).

Slight production boost in industry in March 2023

Compared to the same month of the previous year, sold production in industry (sections B to E of ÖNACE 2008) decreased nominally by 0.9% to € 33.7 bn in **March 2023**, which was mainly the result of the downward trend in electricity, gas, steam and air conditioning supply (–14.3% to € 9.1 bn). By contrast, particularly strong increases were reported for the manufacture of motor vehicles, trailers and semi-trailers (+32.8% to € 1.9 bn), manufacture of electrical equipment (+17.3% to € 1.5 bn) as well as the manufacture of machinery and equipment n.e.c. (+13.6% to € 3.3 bn; see table 3).

For **detailed results** or more information on short-term statistics in Austria and on our [flash-estimates](#) in industry and construction please refer to our [website](#). The [Economic monitor](#) of Statistics Austria provides an overview of the economic development in Austria with about 80 business indicators. Additionally, a more detailed presentation and description of the most important [nominal short-term statistics data](#) is available.

Table 1: Short-term business statistics indicators (final, preliminary and flash estimates at t+30 days for May 2023); turnover index, index of persons employed and index of hours worked in industry and construction (base year 2015); ÖNACE 2008

2023	Total (B–F)	Compared to the same month of the previous year	Industry (B–E)	Compared to the same month of the previous year	Construction (F)	Compared to the same month of the previous year
Turnover index ¹ March ²	185.0	-0.5	186.6	-1.1	174.2	4.1
Turnover index ¹ April ³	157.0	-2.7	157.0	-2.8	157.4	-1.1
Turnover index ¹ May ⁴	166.4	-4.4	165.4	-4.2	172.7	-5.8
Index of persons employed ¹ March ²	112.5	1.0	109.9	1.7	121.5	-1.0
Index of persons employed ¹ April ³	112.5	0.5	109.4	1.1	123.4	-0.9
Index of persons employed ¹ May ⁴	113.0	0.7	109.5	1.0	125.1	-0.2
Index of hours worked ¹ March ²	121.3	1.6	118.7	2.6	129.8	-1.7
Index of hours worked ¹ April ³	109.3	-1.4	106.1	-0.7	120.3	-3.4
Index of hours worked ¹ May ⁴	108.9	-5.1	105.2	-4.0	121.3	-8.4

S: STATISTICS AUSTRIA. Annual average 2015 = 100.

1) Unadjusted. – 2) Results after 70 days. – 3) Results after 40 days. – 4) Flash-estimates after t+30 days.

Table 2: Enterprises' results – March 2023

Structure of ÖNACE 2008 ¹	Enterprises	Employees	Gross earnings in m. Euro	Turnover in m. Euro	Turnover-changes	
	End of March 2023		March 2023		nom. in % ²	wd. a. in % ³
Industry	38 131	722 812	2 917.7	34 274.9	-0.3	0.1
Manufacturing	31 051	671 144	2 679.8	24 378.4	5.4	-
Electricity, gas, steam and air conditioning supply	4 188	29 159	156.7	9 177.4	-13.0	-
Water supply; sewerage, waste management and remediation activities	2 892	22 509	81.2	719.0	0.3	-
Construction	42 183	303 637	1 023.5	5 654.3	4.3	5.0
Industry and construction in total	80 314	1 026 449	3 941.2	39 929.1	0.3	0.8

S: STATISTICS AUSTRIA. – 1) Rounding differences not compensated. – 2) Nominal changes compared to the same period of the previous year. – 3) Working-day adjusted changes compared to the same period of the previous year.

Table 3: Key branches of industry – value of sold production sold – March 2023

Structure of ÖNACE 2008	Sold production in million Euros	Sold production - changes in % ¹
	February 2023	
Industry	33 716.9	-0.9
Electricity, Gas, steam and air conditioning supply	9 053.1	-14.3
Manufacture of machinery and equipment n.e.c.	3 260.3	13.6
Manufacture of basic metals	2 368.7	-0.3
Manufacture of food products	2 127.7	10.7
Manufacture of fabricated metal products, except machinery and equipment	1 926.1	-4.6
Manufacture of motor vehicles, trailers and semi-trailers	1 911.2	32.8
Manufacture of electrical equipment	1 524.4	17.3
Manufacture of computer, electronic and optical products	1 142.8	12.9
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1 064.9	-15.9
Manufacture of chemical products	1 043.5	-7.6

S: STATISTICS AUSTRIA. – 1) Nominal changes compared to the same period of the previous year.

Information on methodology, definitions: The main results presented here are based on the one hand on the primary statistical data of the short-term statistics survey in industry and construction and on the other hand on a model-based approach to data supplementation. The latter tries to integrate the characteristic relationships of the monthly business survey and to make efficient use of the information from the various administrative sources. In that way, the **structure of the population (thus 100 %)** of the short-term statistics in industry and construction can be presented at activity level as a combination of primary data, secondary data and model-based calculation. Detailed methodological descriptions can be found on our website under [Further documentation](#) (available in German only).

The **enterprise** results are based on all single- and multiple-operational enterprises that can be classified in industry and construction. Data of so-called **establishments** show the results of those establishments whose main area of activity is in industry and construction; irrespective of the economic focus of the enterprises above the establishments.

Flash-estimates of economic activity Flash-estimates are based on reported data already available 30 days after the end of the reference month as well as on historical movements and correlations of individual variables. Furthermore, the correlation of data from early reporting units and late reporting units is considered. The model is based on the assumption that missing reports show a similar development as the data of the reports already received from the companies.

The term industry in this context corresponds to manufacturing excluding construction (ÖNACE 2008 - sections B to E) and also includes commercial enterprises. Thus, this term is not identical with the term industry according to the classification system of the Austrian Federal Economic Chamber.

Quality of the flash estimates: An essential aspect for the quality of the estimates is the automatic outlier detection and correction procedure. 30 days after the end of the reference period about 60 % of all reports have been received, however, standard data editing procedures are not completed at this early stage of data processing. Therefore, reported data considerably differing from standard reports have to be corrected automatically. The outlier detection is based on a RegARIMA-model. The sensitivity of this outlier detection procedure was heuristically calibrated such, that not too many correctly reported values were replaced, and most incorrect reports were eliminated as well.

Thus, the quality of the t+30 estimate depends, on the extent to which the most significant erroneous reports could be identified and corrected. Furthermore, the underlying model assumes a correlation of early and late reported data. This dependence did not change significantly in the observation period 2013-2020. Structural breaks caused by crises such as the Corona pandemic could cause problems in the identification of outliers (suddenly occurring zero values that are recognized as outliers and replaced). Furthermore, due to the current situation, follow-up reports and major revisions cannot be ruled out.

If you have any questions on this topic, please contact:

Florian LANG, phone: +43 1 71128-7431 | florian.lang@statistik.gv.at

Martin HIRSCH, phone: +43 1 71128-7627 | martin.hirsch@statistik.gv.at

Nina WALTNER, phone: +43 1 71128-7317 | nina.waltner@statistik.gv.at

For further information on the Flash-estimates of economic activity, please contact:

Gerhard GRASSL, phone: +43 1 71128-7441 | gerhard.grassl@statistik.gv.at

Media owner, producer and publisher:

STATISTICS AUSTRIA | Federal Institution under Public Law | Guglgasse 13 | 1110 Vienna | www.statistik.at

Press: phone: +43 1 711 28-7777 | e-mail: presse@statistik.gv.at

© STATISTICS AUSTRIA