

8 September 2023

Industrial Production Index (IPI). Base 2015
July 2023. Provisional data

The monthly variation of the Industrial Production Index was 0.2%, after adjusting for seasonal and calendar effects

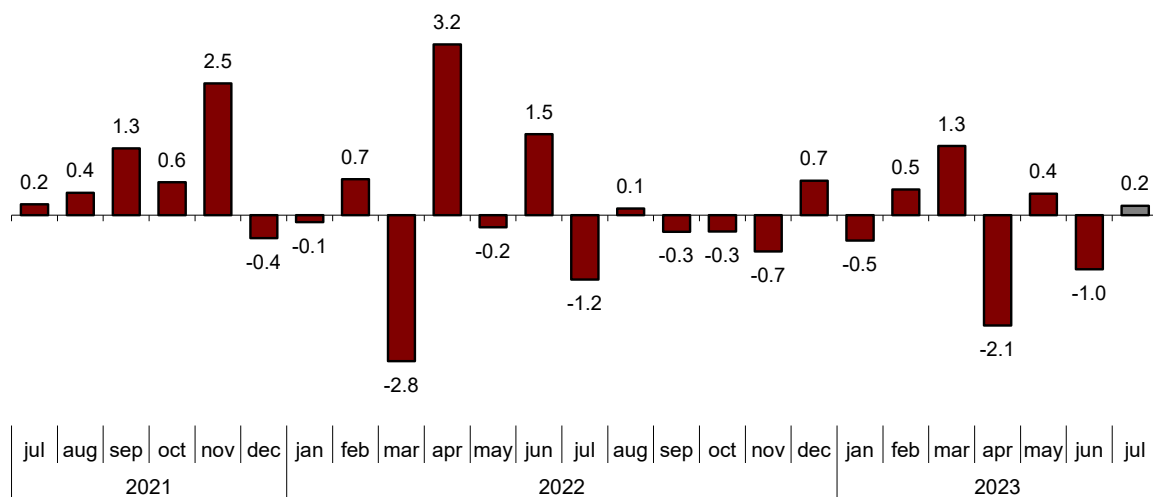
The annual rate of the Industrial Production Index was -1.8% in the series adjusted for seasonal and calendar effects and -1.8% in the original series

Monthly evolution of industrial production

After adjusting for seasonal and calendar effects, the monthly variation of the Industrial Production Index (IPI) between July and June was 0.2%. This rate is 1.2 points higher than that observed in June.

General Industrial Production Index

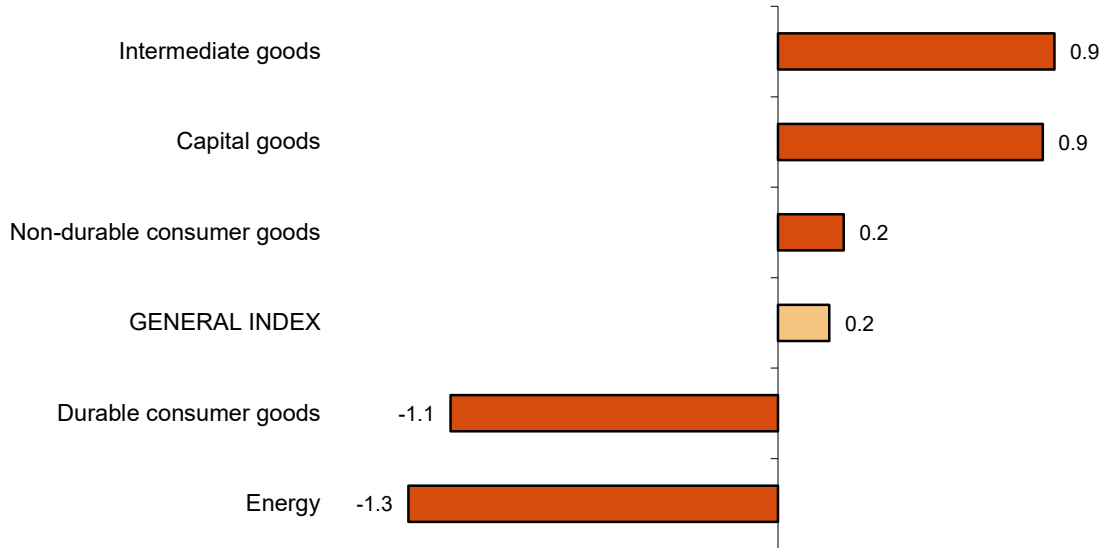
Adjusted for seasonal and calendar effects. Monthly rate (percentage)



By sectors, *Intermediate goods* (0.9%), *Capital goods* (0.9%) and *Non-durable consumer goods* (0.2%) showed positive monthly rates. On the other hand, *Energy* (-1.3%) and *Durable consumer goods* (-1.1%) showed negative monthly rates.

Industrial Production Index: General and by economic destination

Adjusted for seasonal and calendar effects. July 2023. Monthly rate (percentage)



A more detailed analysis shows the branches of activity with the highest and lowest monthly rates in the month of July.

Branches of activity with the highest monthly rates of the industrial production index adjusted for seasonal and calendar effects

Activity (Division from CNAE 2009)	Monthly rate (%)
Extraction of anthracite, coal and lignite	60.0
Other mining and quarrying	45.1
Graphic arts and reproduction of recorded media	15.0

Branches of activity with the lowest monthly rates of the industrial production index adjusted for seasonal and calendar effects

Activity (Division from CNAE 2009)	Monthly rate (%)
Manufacture of garments	-43.8
Manufacture of pharmaceutical products	-4.4
Manufacture of computers, electronic and optical products	-4.3

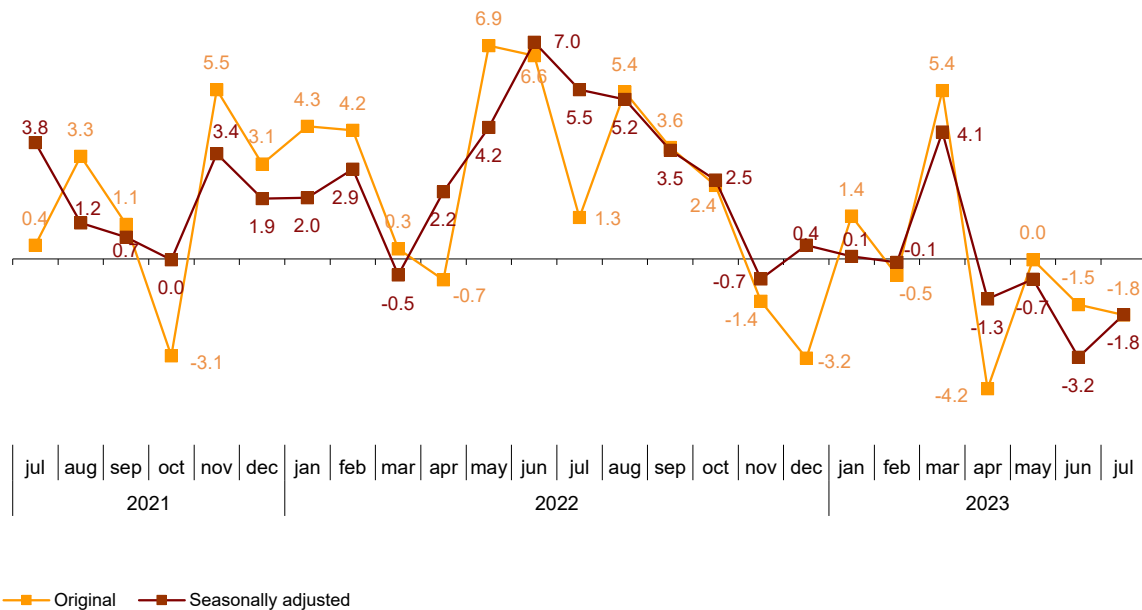
Annual evolution of industrial production

The Industrial Production Index, adjusted for seasonal and calendar effects, recorded a variation rate of -1.8% in July, as compared to the same month of the previous year. This rate is 1.4 points higher than that registered in June.

The original IPI series experienced an annual variation of -1.8%. This rate is 0.3 points lower than that of June.

General Industrial Production Index

Annual rate (percentage)



By sectors, *Capital goods* (5.9%) and *Non-durable consumer goods* (1.1%) showed positive annual rates. On the other hand *Energy* (-10.8%), *Durable consumer goods* (-7.3%) and *Intermediate goods* (-2.6%) showed negative annual rates.

Annual rates of the industrial production index: General and by economic destination of the goods

	Original index Annual rate (%)	Seasonally adjusted index Annual rate (%)
General Index	-1.8	-1.8
Consumer goods	0.0	0.1
- Durable consumer goods	-7.4	-7.3
- Non-durable consumer goods	0.7	1.1
Capital goods	6.0	5.9
Intermediate goods	-2.3	-2.6
Energy	-10.9	-10.8

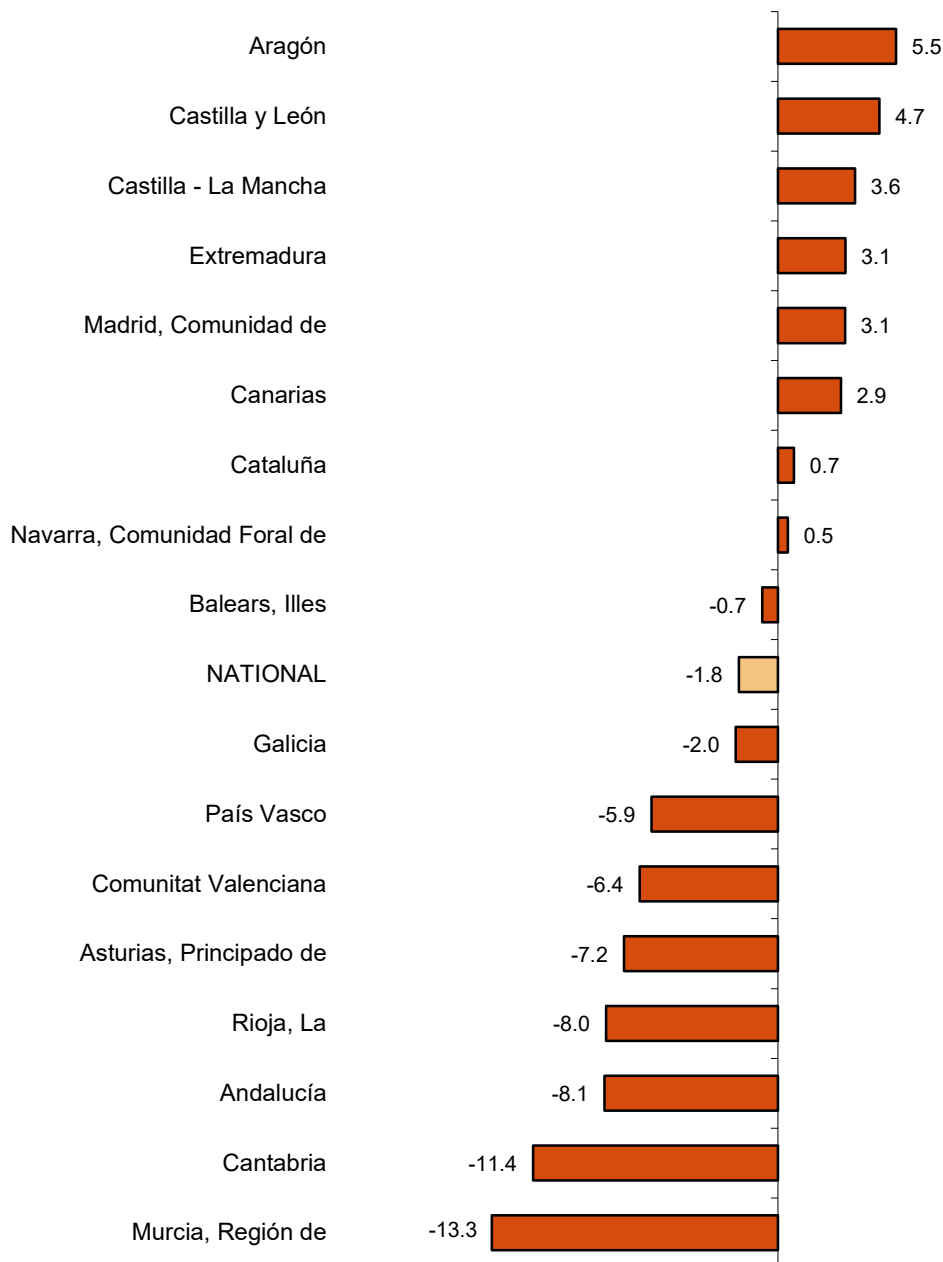
Results by Autonomous Communities. Annual variation rates of industrial production. Original series

The annual rate of industrial production increased as compared to July 2022 in eight Autonomous Communities and decreased in the other nine.

The largest decreases were recorded in Región de Murcia (-13.3%), Cantabria (-11.4%) and Andalucía (-8.1%). The largest increases were recorded in Aragón (5.5%), Castilla y León (4.7%) and Castilla - La Mancha (3.6%).

General index: national and by Autonomous Communities

July 2023. Annual rate (percentage)



Data Review and Update

Coinciding with today's publication, the INE has updated the data of the IPI series corresponding to the last two months. In the case of the series adjusted for calendar effects and for seasonal and calendar effects, the series is revised from the beginning, following the INE standard. The results are available at INEBase.

Methodological note

The Industrial Production Index (IPI) is a short-term indicator that measures the monthly evolution of the productive activity of the industrial branches, excluding construction, contained in the National Classification of Economic Activities 2009 (CNAE-2009). It therefore investigates the activities included in sections B, C, D and division 36: Water collection, treatment and supply, from section E of the CNAE-2009.

The IPI measures the joint evolution of quantity and quality, eliminating the influence of prices.

Type of survey: monthly continuous survey.

Base year: 2015.

Population scope: industrial establishments whose main activity is included in sections B, C, D and division 36 of the CNAE-2009.

Geographical scope: the entire national territory.

Sample size: 11,500 industrial establishments and more than 1,100 products.

Collection method: completion of the questionnaire by the respondent using one of the following methods: internet (IRIA system), e-mail, fax, telephone or by postal mail.

For further information, the methodology can be accessed at:

<https://www.ine.es/daco/daco43/metoipi15.pdf>

And the standardised methodological report at:

<https://www.ine.es/dynt3/metadatos/es/RespuestaDatos.html?oe=30050>

INE statistics are produced in accordance with the Code of Good Practice for European Statistics, which is the basis for the institution's quality policy and strategy. For more information see the section on [Quality at INE and the Code of Best Practices](#) on the INE website.

For further information see **INEbase:** www.ine.es/en/Twitter: [@es_ine](https://twitter.com/es_ine)

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Industrial Production Index. Base 2015

July 2023

Provisional data

1. Industrial Production Index: General and by economic destination adjusted for seasonal and calendar effects

	Index	Rate (%)		
		Monthly	Annual	Year-to-date average
General Index	104.6	0.2	-1.8	-0.4
Consumer goods	107.5	0.0	0.1	0.5
- Durable consumer goods	104.7	-1.1	-7.3	-2.2
- Non-durable consumer goods	108.4	0.2	1.1	1.2
Capital goods	114.6	0.9	5.9	6.2
Intermediate goods	105.5	0.9	-2.6	-3.2
Energy	93.5	-1.3	-10.8	-4.3

2. Industrial Production Index: General and by economic destination adjusted for seasonal and calendar effects

	Index	Rate (%)	
		Annual	Year-to-date average
General Index	111.1	-1.9	-0.5
Consumer goods	113.2	-0.2	0.4
- Durable consumer goods	118.2	-7.7	-2.1
- Non-durable consumer goods	112.6	0.5	0.7
Capital goods	118.4	5.8	6.0
Intermediate goods	110.8	-2.3	-3.2
Energy	101.3	-11.0	-4.5

3. Industrial Production Index: General and by economic destination. Original series

	Index	Rate (%)		Repercussion Annual
		Annual	Year-to-date average	
General Index	107.4	-1.8	-0.1	
Consumer goods	108.6	0.0	0.9	-0.002
- Durable consumer goods	112.2	-7.4	-1.7	-0.165
- Non-durable consumer goods	108.3	0.7	1.1	0.163
Capital goods	113.4	6.0	6.4	1.314
Intermediate goods	107.0	-2.3	-2.9	-0.694
Energy	100.4	-10.9	-4.4	-2.434

**4. Industrial Production Index: General and by branches of activity (CNAE 2009).
Original series**

	Index	Rate (%)		Repercussion
		Annual	Year-to-date average	Annual
General Index	107.4	-1.8	-0.1	
B. Mining and quarrying industries	117.4	31.4	20.7	0.178
Extraction of anthracite, coal and lignite	..	..	..	..
National crude petroleum and natural gas	..	..	..	..
Extraction of metallic ores	..	..	..	..
Other mining and quarrying	140.2	32.3	21.7	0.177
C. Manufacturing industry	109.0	0.4	0.7	0.319
Food Industry	99.0	-0.8	-1.9	-0.090
Manufacture of beverages.	119.2	-1.8	1.9	-0.064
Tobacco industry.	..	..	..	..
Textile industry	101.6	-3.4	-6.8	-0.035
Manufacture of garments	74.1	-36.9	-7.0	-0.366
Leather and footwear industry	79.3	-14.0	-8.0	-0.111
Manufacture of wood and of products of wood and cork, except furniture; basketmaking and wickerwork	111.0	-10.7	-18.6	-0.151
Manufacture of paper and paper-products	96.5	-8.1	-8.1	-0.190
Graphic arts and reproduction of recorded media	65.9	12.5	-7.6	0.109
Manufacture of coke and refined petroleum products	101.1	-5.2	-4.6	-0.121
Chemical Industry	108.3	-0.3	-6.2	-0.017
Manufacture of pharmaceutical products	153.1	11.0	10.5	0.507
Rubber and plastic material transformation industry	107.9	-6.7	-3.3	-0.320
Manufacture of other non-metallic ore products	109.5	-8.5	-6.7	-0.347
Metallurgy; manufacture of iron, steel and ferro-alloy products	85.3	-6.3	-4.2	-0.179
Manufacture of metal products, except machinery and equipment	114.1	-0.4	0.2	-0.030
Manufacture of computers, electronic and optical products	129.9	10.6	4.9	0.120
Manufacture of electrical material and equipment	131.9	7.3	12.7	0.230
Manufacture of machinery and equipment n.e.c.	132.0	-3.9	1.2	-0.222
Manufacture of motor vehicles, trailers and semi-trailers	97.2	23.0	15.4	1.355
Manufacture of other transport equipment	117.0	6.3	11.9	0.172
Manufacture of furniture.	124.0	-4.0	-2.2	-0.060
Other manufacturing industries	121.4	-1.6	-2.9	-0.019
Repair and installation of machinery and equipment	114.7	4.7	7.8	0.129
D. Supply of electrical energy, gas, steam and air conditioning	95.7	-12.7	-5.4	-2.098
E. Water supply, activities, waste management and decontamination*	128.9	-6.0	1.4	-0.215

* It only includes Water collection, treatment and supply

(..) Data not available due to statistical secrecy.

5. Industrial production index: national and by Autonomous Community. Original series

	Index	Rate (%)	
		Annual	Year-to-date average
National	107.4	-1.8	-0.1
Andalucía	101.3	-8.1	-3.3
Aragón	115.5	5.5	1.3
Asturias, Principado de	97.6	-7.2	-5.1
Balears, Illes	110.5	-0.7	-0.3
Canarias	99.9	2.9	6.3
Cantabria	93.2	-11.4	-3.8
Castilla y León	92.1	4.7	4.6
Castilla-La Mancha	111.6	3.6	2.5
Cataluña	110.1	0.7	-0.2
Comunitat Valenciana	109.9	-6.4	-2.3
Extremadura	113.0	3.1	0.2
Galicia	95.9	-2.0	3.6
Madrid, Comunidad de	119.9	3.1	4.6
Murcia, Región de	119.6	-13.3	-10.1
Navarra, Comunidad Foral de	102.5	0.5	-1.9
País Vasco	105.4	-5.9	-2.0
Rioja, La	81.4	-8.0	-3.7

More detailed information by Autonomous Community may be obtained at:

Andalucía	Andalusia Institute of Statistics and Cartography (juntadeandalucia.es)
Aragón	Aragon Institute of Statistics (IAEST). Government of Aragon
Principado de Asturias	Home - Asturian Society for Economic and Industrial Studies (sadei.es)
Illes Balears	IBESTATIHome (caib.es)
Canarias	Home ISTAC - Government of the Canary Islands
Cantabria	Cantabrian Institute of Statistics - ICANE
Castilla y León	Statistics | Statistics | Council of Castilla y León (jcy.es)
Castilla - La Mancha	Start: Statistics Service of Castilla-La Mancha (jccm.es)
Cataluña	Idescat. Statistics Institute of Catalonia
Comunitat Valenciana	Home - Statistical Portal of the Generalitat Valenciana - Generalitat Valenciana (gva.es)
Extremadura	IEEX - JUNTAEX
Galicia	IGE - Galician Institute of Statistics
Comunidad de Madrid	Statistical Portal. Community of Madrid
Región de Murcia	Statistical Portal of the Region of Murcia - CREM (carm.es)
La Rioja	Statistics - La Rioja Government Portal