

Monthly review of the economic situation in industries

Polish Chamber of Commerce

27/01/2022



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Explanations and comments

Analysts and commentators dealing with economic issues usually focus on data illustrating the current state and changes of the entire Polish economy. This approach is natural. Data generalization allows for easier understanding and easier formulation of projections about the future. However, it should be borne in mind that from the point of view of individual companies, the synthesis of data at the national level is not adequate due to the very different situation and specificity of the industries operating in the country.

The Polish economy is very diverse. Due to the large size and large population, numerous ideas for running a business had a chance to develop in our area. We have a particularly large abundance in this variety in industry, construction, services. This is confirmed by the information presented by official statistics. The differentiation concerns both the potential in terms of sales level, the number of employees, but also the current situation, including the rate of sales growth, the level and dynamics of wages, progress in terms of efficiency.

The intention of the Polish Chamber of Commerce is to support the work of entrepreneurs by presenting them with data on the economic potential and the current economic situation in individual industries. In the study below, the data of the Central Statistical Office have been supplemented with the estimates of the Polish Chamber of Commerce based on GUS data.

The study presents data on the enterprise sector. The widest range of data is available for industry and construction - where the following are presented: the level of sales and the current rate of its growth along with the average productivity of an employee measured by sales per one employee, the level and dynamics of employment, level and dynamics of wages, dynamics of productivity. In the case of other industries, the information concerns the level and dynamics of wages and the level and dynamics of employment.

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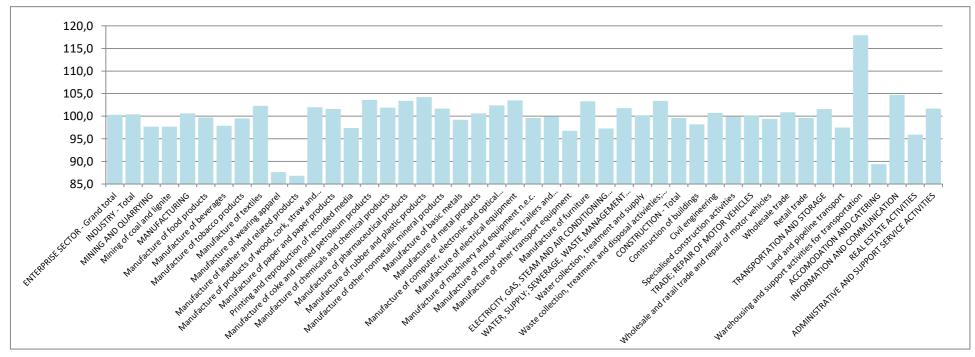
Comparison of employment and salary levels in selected industries

| Employment | | Wages | | | | | | | |
|---|-----------|----------|-----------|----------|-------|----------|-------|------------|---------|
| | 2021 | XII | 2021 | I-XII | 2021 | XII | | 2021 I-XII | |
| | in thous. | Corresp. | in thous. | Corresp. | PLN | Corresp. | PLN | Corresp. | Average |
| | | = 100 | | = 100 | | = 100 | | = 100 | =100 |
| ENTERPRISE SECTOR - Grand total | 6362 | 100,5 | 6346 | 100,3 | 6644 | 111,2 | 5890 | 108,8 | 100,0 |
| INDUSTRY - Total | 2717 | 100,1 | 2730 | 100,4 | 6732 | 108,0 | 5918 | 108,5 | 100,5 |
| MINING AND QUARRYING | 119 | 96,5 | 123 | 97,7 | 16225 | 102,5 | 9134 | 106,1 | 155,1 |
| Mining of coal and lignite | 70 | 95,7 | 73 | 97,7 | 20053 | 106,8 | 9375 | 103,9 | 159,2 |
| MANUFACTURING | 2351 | 100,4 | 2360 | 100,6 | 6125 | 110,1 | 5652 | 109,3 | 96,0 |
| Manufacture of food products | 378 | 99,4 | 379 | 99,7 | 5444 | 109,0 | 4974 | 106,8 | 84,5 |
| Manufacture of beverages | 21 | 97,8 | 21 | 97,9 | 8185 | 119,2 | 7261 | 104,5 | 123,3 |
| Manufacture of tobacco products | 8 | 96,2 | 8 | 99,5 | 7301 | 101,8 | 7590 | 104,3 | 128,9 |
| Manufacture of textiles | 45 | 99,9 | 46 | 102,3 | 4718 | 103,0 | 4436 | 108,3 | 75,3 |
| Manufacture of wearing apparel | 50 | 90,1 | 51 | 87,6 | 3870 | 109,2 | 3706 | 112,6 | 62,9 |
| Manufacture of leather and related products | 14 | 84,9 | 15 | 86,8 | 4230 | 114,5 | 3964 | 113,2 | 67,3 |
| Manufacture of products of wood, cork, straw and wicker | 98 | 101,0 | 98 | 102,0 | 5153 | 115,7 | 4684 | 111,4 | 79,5 |
| Manufacture of paper and paper products | 62 | 102,1 | 62 | 101,6 | 6441 | 108,1 | 6205 | 108,1 | 105,4 |
| Printing and reproduction of recorded media | 37 | 99,6 | 37 | 97,4 | 6464 | 110,5 | 6101 | 109,2 | 103,6 |
| Manufacture of coke and refined petroleum products | 15 | 103,5 | 15 | 103,6 | 9586 | 100,2 | 10073 | 106,2 | 171,0 |
| Manufacture of chemicals and chemical products | 80 | 100,4 | 81 | 101,9 | 7440 | 113,9 | 6544 | 107,0 | 111,1 |
| Manufacture of pharmaceutical products | 25 | 104,5 | 25 | 103,4 | 9011 | 117,0 | 8249 | 109,6 | 140,1 |
| Manufacture of rubber and plastic products | 214 | 102,6 | 214 | 104,2 | 6212 | 113,6 | 5561 | 109,5 | 94,4 |
| Manufacture of other nonmetalic mineral products | 122 | 99,8 | 124 | 101,7 | 6671 | 110,2 | 6093 | 108,5 | 103,5 |
| Manufacture of basic metals | 63 | 102,5 | 63 | 99,2 | 6672 | 109,6 | 6261 | 110,3 | 106,3 |
| Manufacture of metal products | 287 | 101,2 | 287 | 100,6 | 6074 | 115,3 | 5463 | 112,0 | 92,8 |
| Manufacture of computer, electronic and optical products | 57 | 102,9 | 57 | 102,4 | 6803 | 108,3 | 6266 | 109,5 | 106,4 |
| Manufacture of electrical equipment | 119 | 104,2 | 118 | 103,5 | 6634 | 107,1 | 6267 | 109,7 | 106,4 |
| Manufacture of machinery and equipment n.e.c. | 121 | 101,6 | 121 | 99,6 | 6596 | 110,1 | 6042 | 110,5 | 102,6 |
| Manufacture of motor vehicles, trailers and semitrailers | 196 | 98,4 | 200 | 99,9 | 6364 | 102,3 | 6202 | 108,2 | 105,3 |
| Manufacture of other transport equipment | 49 | 101,2 | 49 | 96,8 | 7013 | 105,4 | 6576 | 108,1 | 111,7 |
| Manufacture of furniture | 161 | 100,5 | 161 | 103,3 | 4818 | 103,7 | 4576 | 109,7 | 77,7 |
| ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPF | 112 | 97,5 | 113 | 97,3 | 9831 | 97,8 | 8665 | 105,3 | 147,1 |
| WATER, SUPPLY; SEWERAGE, WASTE MANAGEMENT AN | 135 | 101,1 | 135 | 101,8 | 6349 | 110,2 | 5343 | 107,0 | 90,7 |
| Water collection, treatment and supply | 31 | 100,0 | 31 | 100,2 | 6997 | 109,8 | 5513 | 105,5 | 93,6 |
| Waste collection, treatment and disposal activieties; materials r | 65 | 102,0 | 65 | 103,4 | 5984 | 114,4 | 5141 | 108,3 | 87,3 |
| CONSTRUCTION - Total | 418 | 99,8 | 423 | 99,6 | 6360 | 109,7 | 5826 | 107,8 | 98,9 |
| Construction of buildings | 143 | 99,5 | 144 | 98,2 | 6082 | 109,7 | 5467 | 108,3 | 92,8 |
| Civil engineering | 130 | 99,9 | 132 | 100,7 | 7002 | 108,5 | 6360 | 106,2 | 108,0 |
| Specialised construction activities | 145 | 100,2 | 147 | 99,9 | 6060 | 110,8 | 5698 | 108,9 | 96,7 |
| TRADE; REPAIR OF MOTOR VEHICLES | 1308 | 100,6 | 1294 | 100,1 | 6160 | 114,4 | 5530 | 109,3 | 93,9 |
| Wholesale and ratail trade and repair of motor vehicles | 110 | 99,6 | 109 | 99,4 | 6650 | 114,5 | 6188 | 112,1 | 105,1 |
| Wholesale trade | 511 | 101,2 | 508 | 100,9 | 7703 | 115,0 | 6764 | 108,9 | 114,8 |
| Retail trade | 687 | 100,3 | 678 | 99,6 | 4932 | 113,5 | 4500 | 108,9 | 76,4 |
| TRANSPORTATION AND STORAGE | 633 | 101,2 | 632 | 101,6 | 5615 | 112,5 | 5093 | 107,3 | 86,5 |
| Land and pipeline transport | 387 | 96,9 | 385 | 97,5 | 5127 | 107,8 | 4815 | 107,0 | 81,7 |
| Warehousing and support activities for transportation | 167 | 118,1 | 165 | 117,9 | 6965 | 118,5 | 5922 | 106,9 | 100,5 |
| ACCOMODATION AND CATERING | 118 | 99,9 | 114 | 89,4 | 4541 | 120,7 | 4236 | 112,5 | 71,9 |
| INFORMATION AND COMMUNICATION | 270 | 107,2 | 262 | 104,7 | 11155 | 115,3 | 10085 | 109,0 | 171,2 |
| REAL ESTATE ACTIVITIES | 92 | 97,3 | 92 | 95,9 | 7257 | 107,4 | 6051 | 106,4 | 102,7 |
| ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES | 397 | 98,2 | 401 | 101,7 | 4799 | 111,7 | 4499 | 109,8 | 76,4 |

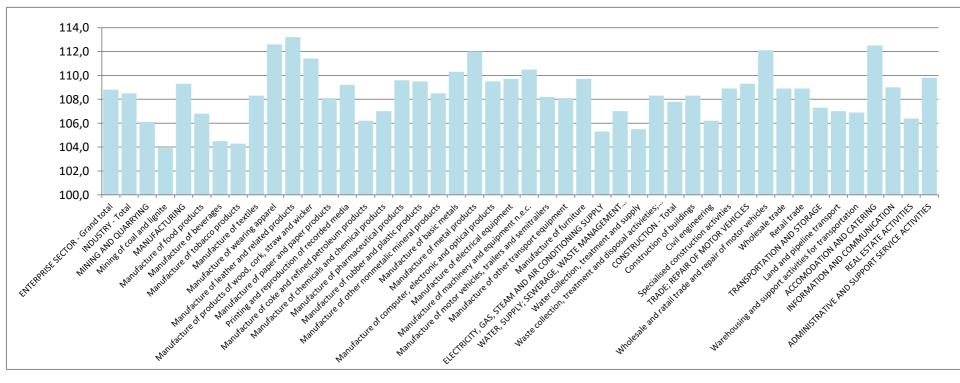
Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



Comparison of employment and salary levels in selected industries

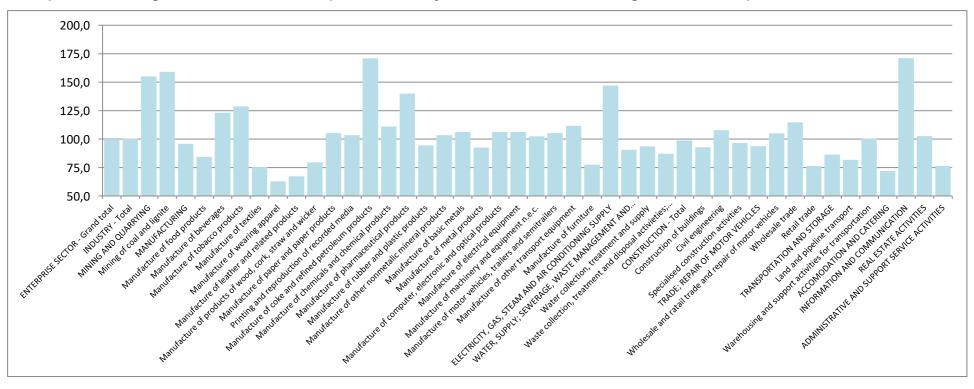


Comparison of employment dynamics in industries in the period January - December 2021 - corresponding period = 100



Comparison of wage dynamics in industries in the period January - December 2021 - corresponding period = 100

Comparison of wages in industries in the period January - December 2021 - average for the enterprise sector = 100

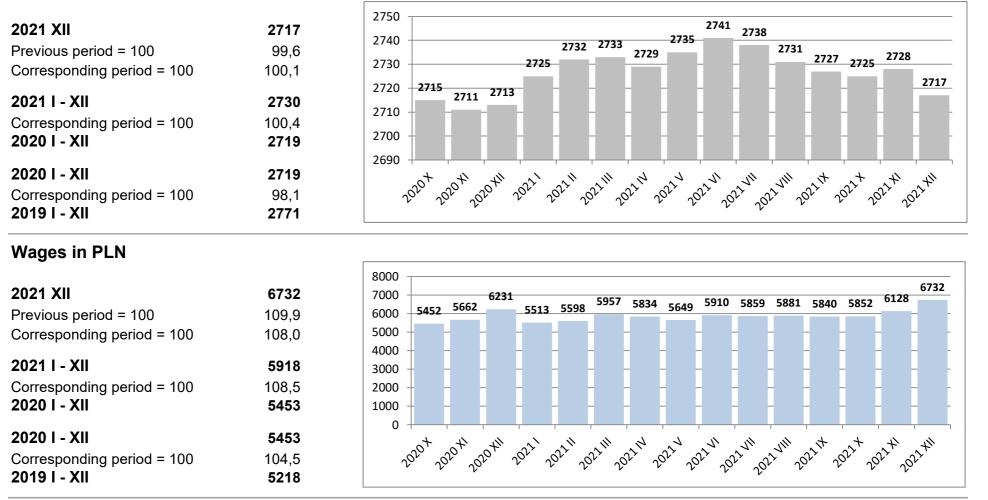


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



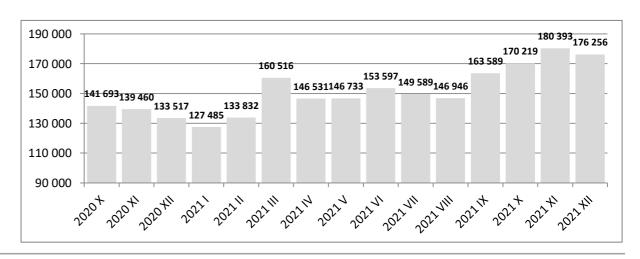
INDUSTRY - Total

Employment in thous.



Sales million PLN

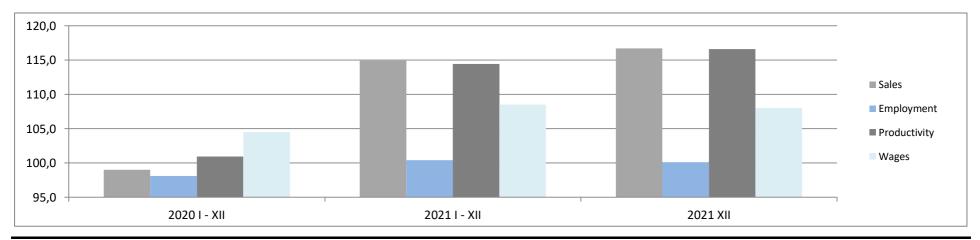
| 2021 XII | 176 256 |
|----------------------------|------------------|
| Previous period = 100 | 97,1 |
| Corresponding period = 100 | 116,7 |
| 2021 I - XII | 1 867 623 |
| Corresponding period = 100 | 114,9 |
| 2020 I - XII | 1 509 371 |
| 2020 I - XII | 1 509 371 |
| Corresponding period = 100 | 99,0 |
| 2019 I - XII | 1 533 710 |



Compare key data

| • | | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 1 533 710 | 1 509 371 | 1 509 371 | 1 867 623 | 176 256 |
| Sales per emp | ooyed thous. PLN | 553 | 555 | 555 | 684 | 65 |
| Employment | in thous. | 2771 | 2719 | 2719 | 2730 | 2717 |
| Wages | in PLN | 5218 | 5453 | 5453 | 5918 | 6732 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 99,0 | | 114,9 | 116,7 |
| Employment | Corresponding period = 100 | | 98,1 | | 100,4 | 100,1 |
| Productivity | Corresponding period = 100 | | 100,9 | | 114,4 | 116,6 |
| Wages | Corresponding period = 100 | | 104,5 | | 108,5 | 108,0 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

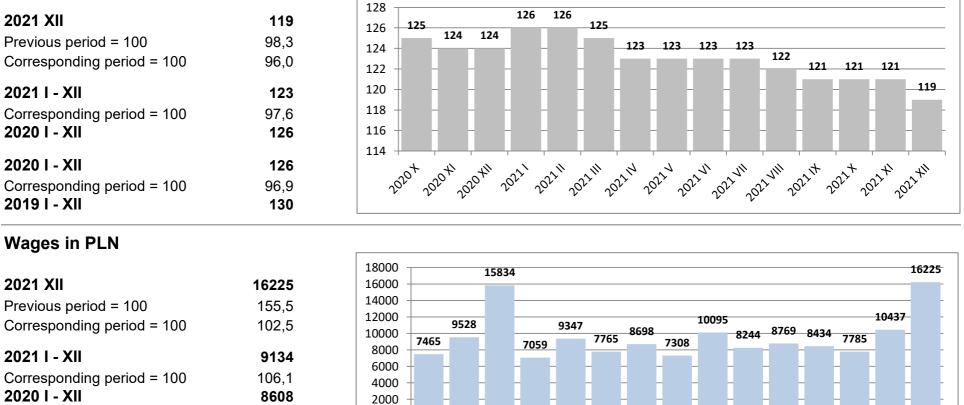


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



MINING AND QUARRYING

Employment in thous.



2020411

2020+1

2021

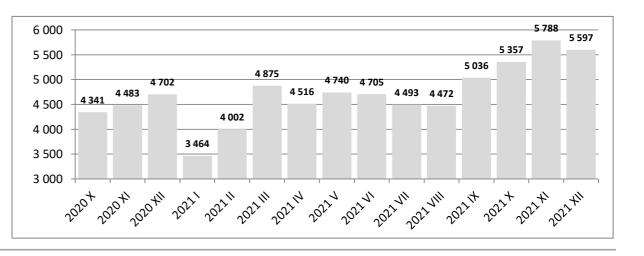
0

8608 101,8 8456 2020+

| 20201-211 | |
|--|--|
| 2020 I - XII | |
| Corresponding period = 100 2019 I - XII | |

Sales million PLN

| 5 597 |
|--------|
| 97,9 |
| 99,1 |
| 58 524 |
| 102,8 |
| 47 973 |
| 47 973 |
| 93,0 |
| 50 879 |
| |



2021

2021

2021/11

2021/11

2021/7

20214

2021 411

2021+

202111

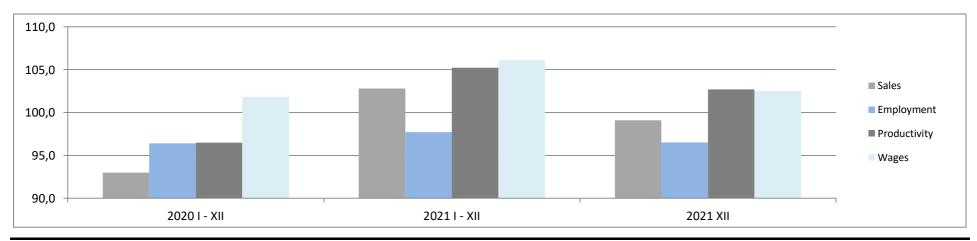
202111

2021

Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 50 879 | 47 973 | 47 973 | 58 524 | 5 597 |
| Sales per emp | boyed thous. PLN | 391 | 381 | 381 | 476 | 47 |
| Employment | in thous. | 130 | 126 | 126 | 123 | 119 |
| Wages | in PLN | 8456 | 8608 | 8608 | 9134 | 16225 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 93,0 | | 102,8 | 99,1 |
| Employment | Corresponding period = 100 | | 96,4 | | 97,7 | 96,5 |
| Productivity | Corresponding period = 100 | | 96,5 | | 105,2 | 102,7 |
| Wages | Corresponding period = 100 | | 101,8 | | 106,1 | 102,5 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

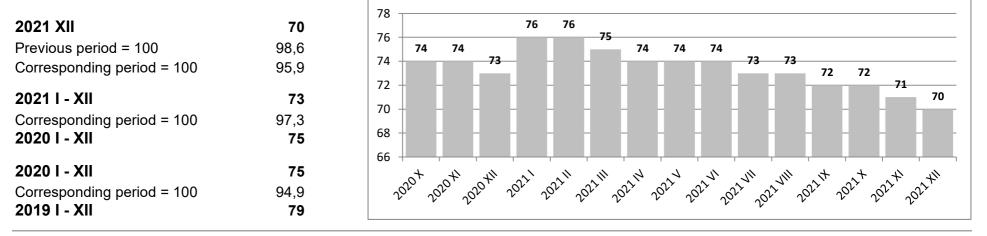


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



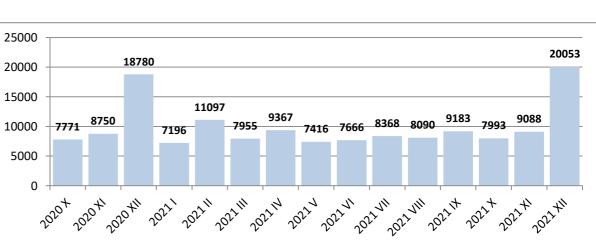
Mining of coal and lignite

Employment in thous.



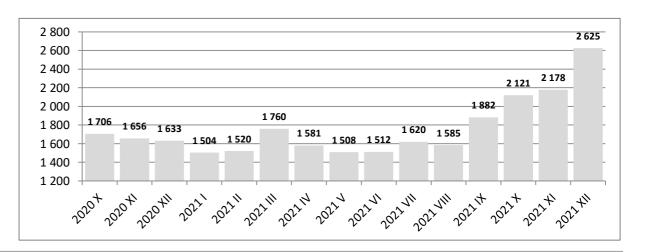
Wages in PLN

| 2021 XII | 20053 |
|----------------------------|-------|
| Previous period = 100 | 220,7 |
| Corresponding period = 100 | 106,8 |
| 2021 I - XII | 9375 |
| Corresponding period = 100 | 103,9 |
| 2020 I - XII | 9027 |
| 2020 I - XII | 9027 |
| Corresponding period = 100 | 100,5 |
| 2019 I - XII | 8983 |



Sales million PLN

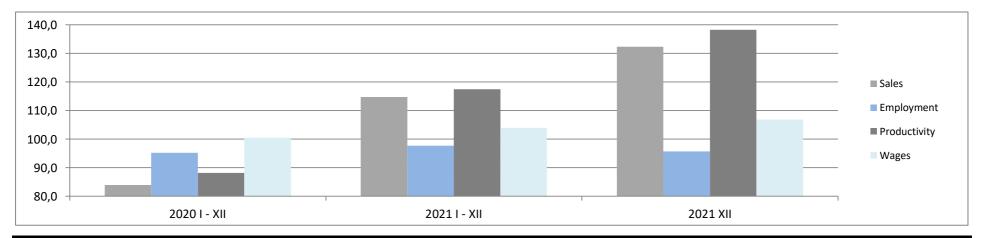
| 2021 XII | 2 625 |
|----------------------------|--------|
| Previous period = 100 | 119,6 |
| Corresponding period = 100 | 132,3 |
| 2021 I - XII | 22 415 |
| Corresponding period = 100 | 114,7 |
| 2020 I - XII | 18 403 |
| 2020 I - XII | 18 403 |
| Corresponding period = 100 | 83,9 |
| 2019 I - XII | 22 571 |



Compare key data

| • | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 22 571 | 18 403 | 18 403 | 22 415 | 2 625 |
| Sales per emp | boyed thous. PLN | 286 | 245 | 245 | 307 | 37 |
| Employment | in thous. | 79 | 75 | 75 | 73 | 70 |
| Wages | in PLN | 8983 | 9027 | 9027 | 9375 | 20053 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 83,9 | | 114,7 | 132,3 |
| Employment | Corresponding period = 100 | | 95,2 | | 97,7 | 95,7 |
| Productivity | Corresponding period = 100 | | 88,1 | | 117,4 | 138,2 |
| Wages | Corresponding period = 100 | | 100,5 | | 103,9 | 106,8 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

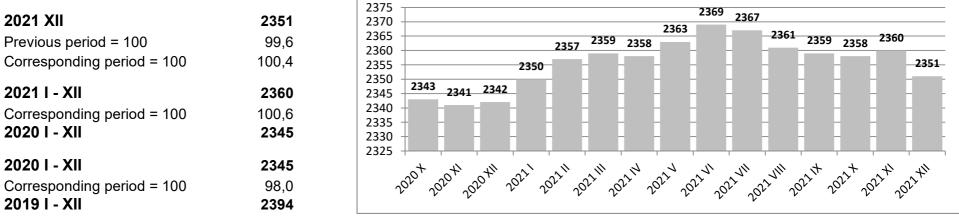


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



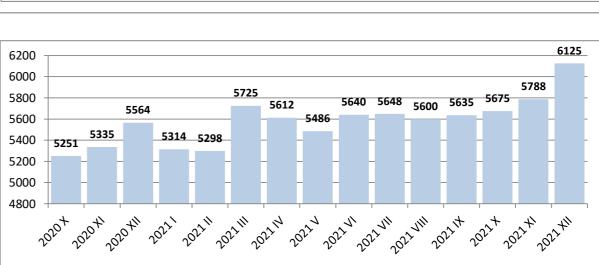
MANUFACTURING

Employment in thous.



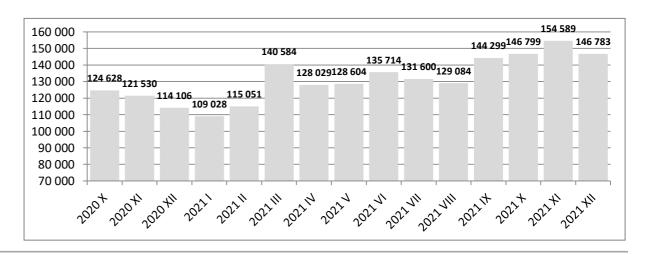
Wages in PLN

| 2021 XII | 6125 |
|----------------------------|-------------|
| Previous period = 100 | 105,8 |
| Corresponding period = 100 | 110,1 |
| 2021 I - XII | 5652 |
| Corresponding period = 100 | 109,3 |
| 2020 I - XII | 5173 |
| 2020 I - XII | 5173 |
| Corresponding period = 100 | 104,7 |
| 2019 I - XII | 4940 |



Sales million PLN

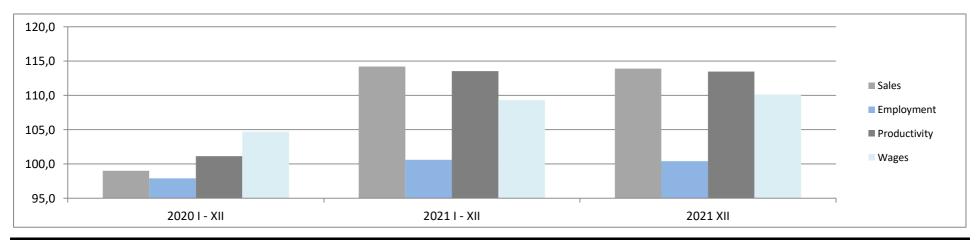
| 2021 XII | 146 783 |
|----------------------------|------------------|
| Previous period = 100 | 94,8 |
| Corresponding period = 100 | 113,9 |
| 2021 I - XII | 1 610 602 |
| Corresponding period = 100 | 114,2 |
| 2020 I - XII | 1 310 266 |
| 2020 I - XII | 1 310 266 |
| Corresponding period = 100 | 99,0 |
| 2019 I - XII | 1 337 663 |



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 1 337 663 | 1 310 266 | 1 310 266 | 1 610 602 | 146 783 |
| Sales per emp | oyed thous. PLN | 559 | 559 | 559 | 682 | 62 |
| Employment | in thous. | 2394 | 2345 | 2345 | 2360 | 2351 |
| Wages | in PLN | 4940 | 5173 | 5173 | 5652 | 6125 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 99,0 | | 114,2 | 113,9 |
| Employment | Corresponding period = 100 | | 97,9 | | 100,6 | 100,4 |
| Productivity | Corresponding period = 100 | | 101,1 | | 113,5 | 113,4 |
| Wages | Corresponding period = 100 | | 104,7 | | 109,3 | 110,1 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

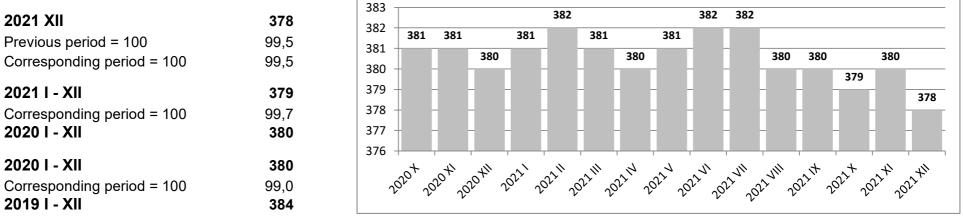


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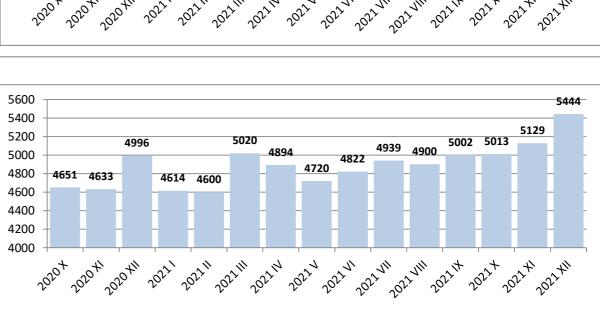
Manufacture of food products

Employment in thous.



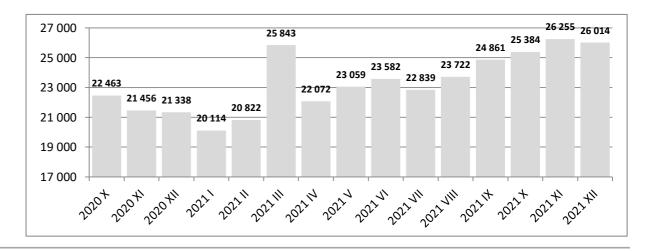
Wages in PLN

| 2021 XII | 5444 |
|----------------------------|-------|
| Previous period = 100 | 106,2 |
| Corresponding period = 100 | 109,0 |
| 2021 I - XII | 4974 |
| Corresponding period = 100 | 106,8 |
| 2020 I - XII | 4658 |
| 2020 I - XII | 4658 |
| Corresponding period = 100 | 106,1 |
| 2019 I - XII | 4391 |



Sales million PLN

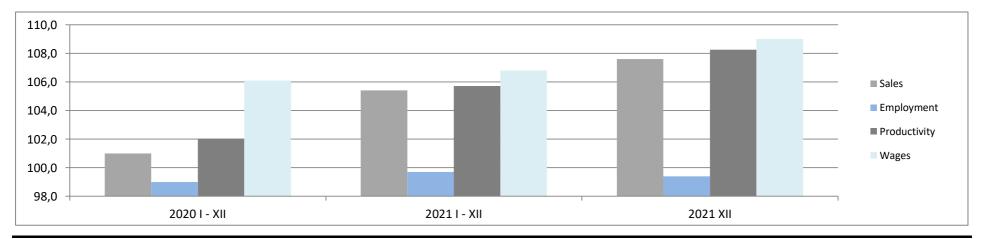
| 2021 XII | 26 014 |
|----------------------------|---------|
| Previous period = 100 | 97,4 |
| Corresponding period = 100 | 107,6 |
| 2021 I - XII | 279 397 |
| Corresponding period = 100 | 105,4 |
| 2020 I - XII | 252 167 |
| 2020 I - XII | 252 167 |
| Corresponding period = 100 | 101,0 |
| 2019 I - XII | 245 313 |
| | |



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 245 313 | 252 167 | 252 167 | 279 397 | 26 014 |
| Sales per emp | oyed thous. PLN | 639 | 664 | 664 | 737 | 69 |
| Employment | in thous. | 384 | 380 | 380 | 379 | 378 |
| Wages | in PLN | 4391 | 4658 | 4658 | 4974 | 5444 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 101,0 | | 105,4 | 107,6 |
| Employment | Corresponding period = 100 | | 99,0 | | 99,7 | 99,4 |
| Productivity | Corresponding period = 100 | | 102,0 | | 105,7 | 108,2 |
| Wages | Corresponding period = 100 | | 106,1 | | 106,8 | 109,0 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

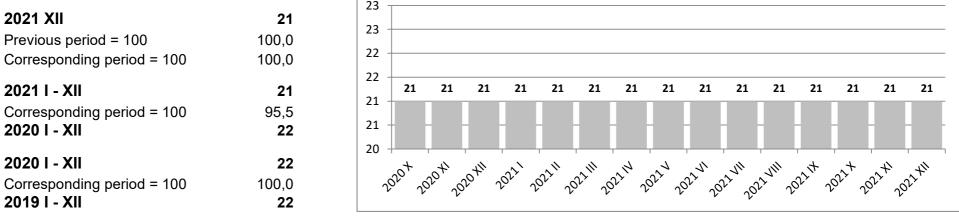


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



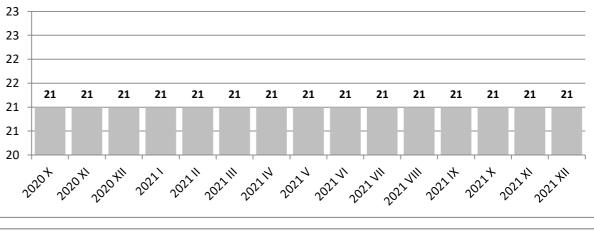
Manufacture of beverages

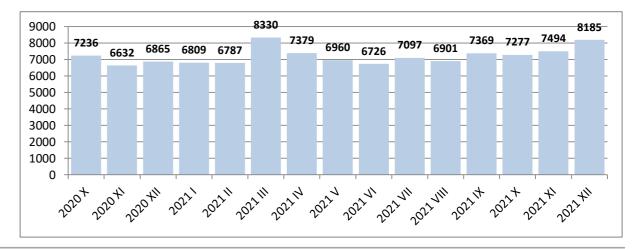
Employment in thous.



Wages in PLN

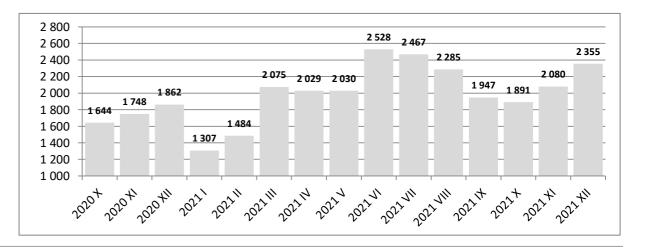
| 2021 XII | 8185 |
|----------------------------|-------------|
| Previous period = 100 | 109,2 |
| Corresponding period = 100 | 119,2 |
| 2021 I - XII | 7261 |
| Corresponding period = 100 | 104,5 |
| 2020 I - XII | 6951 |
| 2020 I - XII | 6951 |
| Corresponding period = 100 | 104,2 |
| 2019 I - XII | 6673 |





Sales million PLN

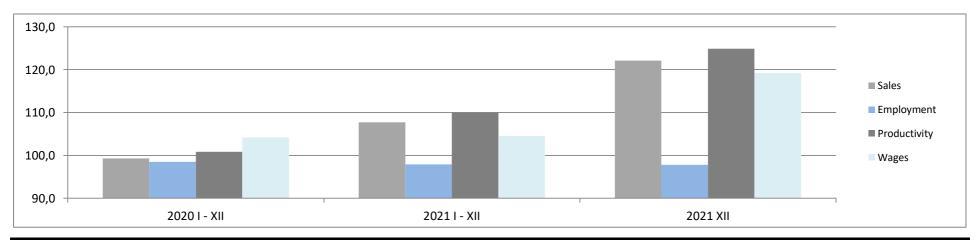
| 2021 XII | 2 355 |
|----------------------------|--------|
| Previous period = 100 | 113,0 |
| Corresponding period = 100 | 122,1 |
| 2021 I - XII | 24 195 |
| Corresponding period = 100 | 107,7 |
| 2020 I - XII | 22 042 |
| 2020 I - XII | 22 042 |
| Corresponding period = 100 | 99,3 |
| 2019 I - XII | 22 243 |
| | |



Compare key data

| • | • | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 22 243 | 22 042 | 22 042 | 24 195 | 2 355 |
| Sales per emp | ooyed thous. PLN | 1011 | 1002 | 1002 | 1152 | 112 |
| Employment | in thous. | 22 | 22 | 22 | 21 | 21 |
| Wages | in PLN | 6673 | 6951 | 6951 | 7261 | 8185 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 99,3 | | 107,7 | 122,1 |
| Employment | Corresponding period = 100 | | 98,5 | | 97,9 | 97,8 |
| Productivity | Corresponding period = 100 | | 100,8 | | 110,0 | 124,8 |
| Wages | Corresponding period = 100 | | 104,2 | | 104,5 | 119,2 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

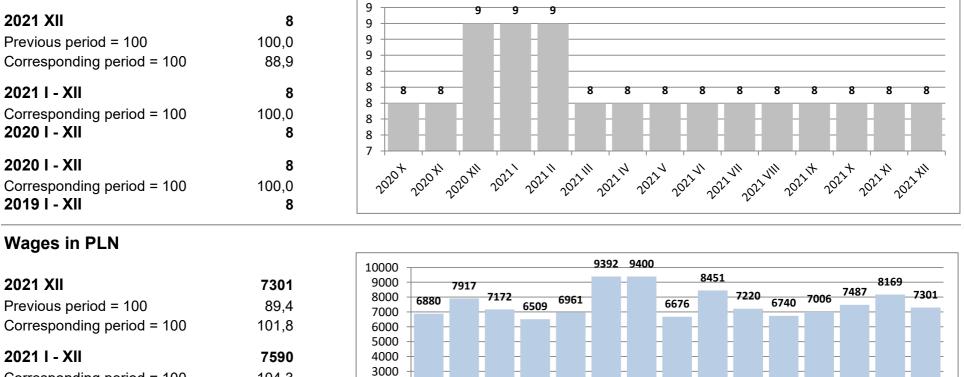


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



Manufacture of tobacco products

Employment in thous.



2020411

20204

2020+

2021

2021

202111

202114

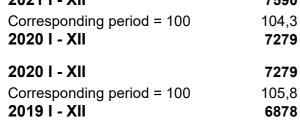
2000

1000 0

7279

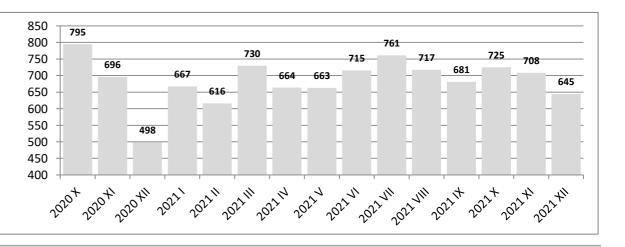
7279

6878



Sales million PLN

| 2021 XII | 645 |
|----------------------------|-------|
| Previous period = 100 | 90,2 |
| Corresponding period = 100 | 127,0 |
| 2021 I - XII | 8 515 |
| Corresponding period = 100 | 102,8 |
| 2020 I - XII | 8 319 |
| 2020 I - XII | 8 319 |
| Corresponding period = 100 | 104,1 |
| 2019 I - XII | 7 633 |
| | |



2021

2021 11

2021/11

2021#

20214

2021 111

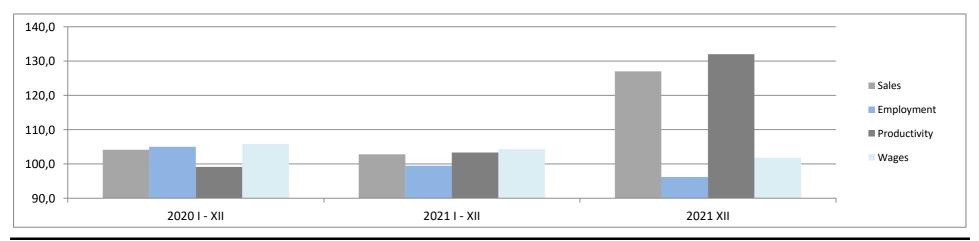
2021+

2021/11

Compare key data

| | | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 7 633 | 8 319 | 8 319 | 8 515 | 645 |
| Sales per emp | oyed thous. PLN | 954 | 1040 | 1040 | 1064 | 81 |
| Employment | in thous. | 8 | 8 | 8 | 8 | 8 |
| Wages | in PLN | 6878 | 7279 | 7279 | 7590 | 7301 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 104,1 | | 102,8 | 127,0 |
| Employment | Corresponding period = 100 | | 105,0 | | 99,5 | 96,2 |
| Productivity | Corresponding period = 100 | | 99,1 | | 103,3 | 132,0 |
| Wages | Corresponding period = 100 | | 105,8 | | 104,3 | 101,8 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)



Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



Manufacture of textiles

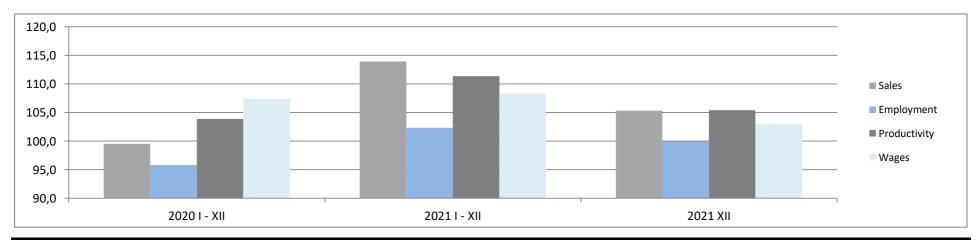
Employment in thous.

| Employment in thous. | | |
|--|------------------------|--|
| 2021 XII | 45 | 46 46 46 46 46 46 46 46 46 46 |
| Previous period = 100 | 100,0 | 46 |
| Corresponding period = 100 | 100,0 | 46 |
| corresponding period - 100 | 100,0 | 45 |
| 2021 I - XII | 46 | 45 45 45 45 45 45 45 45 45 45 |
| Corresponding period = 100 | 102,2 | |
| 2020 I - XII | 45 | 45 |
| 2020 - XII | 45 | 44 |
| | 45 | 2020+2020+2020+11 2021 2021 2021 2021 20 |
| Corresponding period = 100 2019 I - XII | 95,7 47 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |
| 20191-20 | +/ | |
| Wages in PLN | | |
| | | 4800 4718 |
| 2021 XII | 4718 | 4700 4581 4553 |
| Previous period = 100 | 103,6 | 4600 4500 4482 4500 4482 4500 4482 |
| Corresponding period = 100 | 103,0 | 4400 4282 4353 4313 4351 |
| 2021 I - XII | 4436 | 4300 4222 4229 4239 |
| Corresponding period = 100 | 108,3 | |
| 2020 I - XII | 4096 | |
| | | 3900 |
| 2020 I - XII | 4096 | |
| Corresponding period = 100 | 107,3 | 2020+ 2020+ 2020+ 2021 2021 2021 2021 20 |
| 2019 I - XII | 3818 | |
| Sales million PLN | | |
| | | 1 700 |
| 2021 XII | 1 412 | |
| Previous period = 100 | 94,5 | 1500 - 1391 - 1458 - 1451 - 1412 |
| Corresponding period = 100 | 105,3 | 1 200 1 301 1 312 |
| 2021 I - XII | 16 859 | |
| | | 1 100 |
| Corresponding period = 100 2020 I - XII | 113,9 14 637 | 1 000 |
| | 17 037 | 900 + |
| 2020 I - XII | 14 637 | |
| Corresponding period = 100 | 99,5 | 2020+2020+2020+11 2021 2021 2021 2021 20 |
| 2019 I - XII | 14 740 | |
| Compare key data | | |
| . , | | 2019 I - XII 2020 I - XII 2020 I - XII 2021 I - XII 2021) |
| Sales | million PLN | 14 740 14 637 14 637 16 859 1 41 |

| | | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|------------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 14 740 | 14 637 | 14 637 | 16 859 | 1 412 |
| Sales per emp | boyed thous. PLN | 314 | 325 | 325 | 366 | 31 |
| Employment | in thous. | 47 | 45 | 45 | 46 | 45 |
| Wages | in PLN | 3818 | 4096 | 4096 | 4436 | 4718 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 99,5 | | 113,9 | 105,3 |
| Employment | Corresponding period = 100 | | 95,8 | | 102,3 | 99,9 |
| D I I I I | | | 100.0 | | 444.0 | 10- |

| Productivity | Corresponding period = 100 | 103,9 | 111,3 | 105,4 |
|--------------|----------------------------|-------|-------|-------|
| Wages | Corresponding period = 100 | 107,3 | 108,3 | 103,0 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

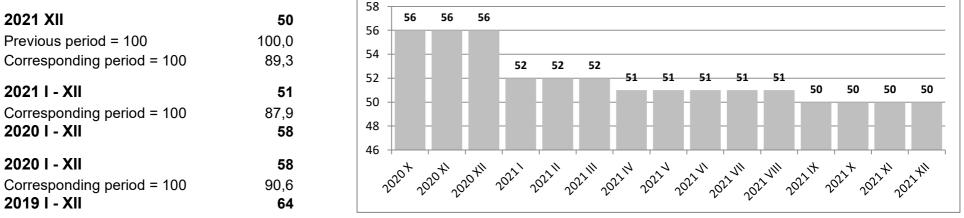


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



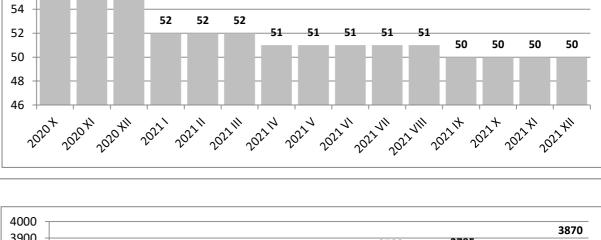
Manufacture of wearing apparel

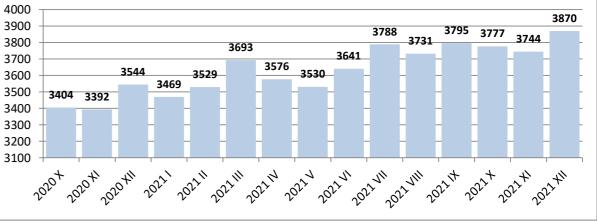
Employment in thous.



Wages in PLN

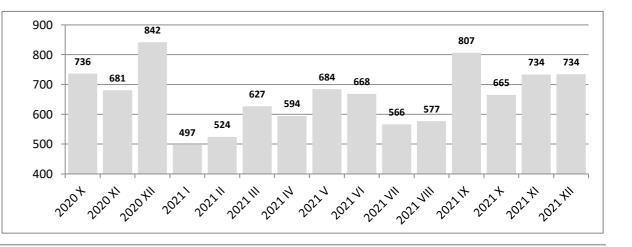
| 2021 XII | 3870 |
|----------------------------|-------------|
| Previous period = 100 | 103,4 |
| Corresponding period = 100 | 109,2 |
| 2021 I - XII | 3706 |
| Corresponding period = 100 | 112,6 |
| 2020 I - XII | 3290 |
| 2020 I - XII | 3290 |
| Corresponding period = 100 | 109,7 |
| 2019 I - XII | 3000 |





Sales million PLN

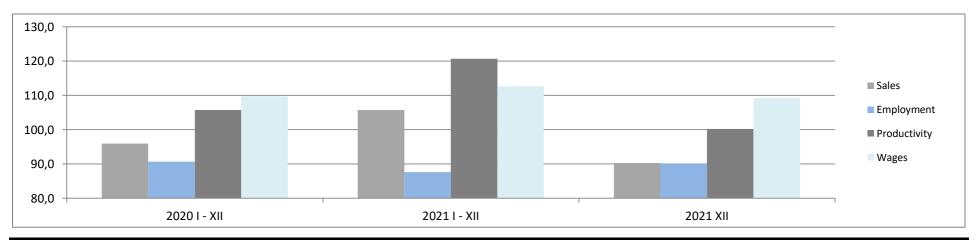
| 2021 XII | 734 |
|----------------------------|-------|
| Previous period = 100 | 100,4 |
| Corresponding period = 100 | 90,3 |
| 2021 I - XII | 7 762 |
| Corresponding period = 100 | 105,7 |
| 2020 I - XII | 7 542 |
| 2020 I - XII | 7 542 |
| Corresponding period = 100 | 95,9 |
| 2019 I - XII | 7 853 |
| | |



Compare key data

| | | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 7 853 | 7 542 | 7 542 | 7 762 | 734 |
| Sales per emp | oyed thous. PLN | 123 | 130 | 130 | 152 | 15 |
| Employment | in thous. | 64 | 58 | 58 | 51 | 50 |
| Wages | in PLN | 3000 | 3290 | 3290 | 3706 | 3870 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 95,9 | | 105,7 | 90,3 |
| Employment | Corresponding period = 100 | | 90,7 | | 87,6 | 90,1 |
| Productivity | Corresponding period = 100 | | 105,7 | | 120,7 | 100,2 |
| Wages | Corresponding period = 100 | | 109,7 | | 112,6 | 109,2 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)



Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



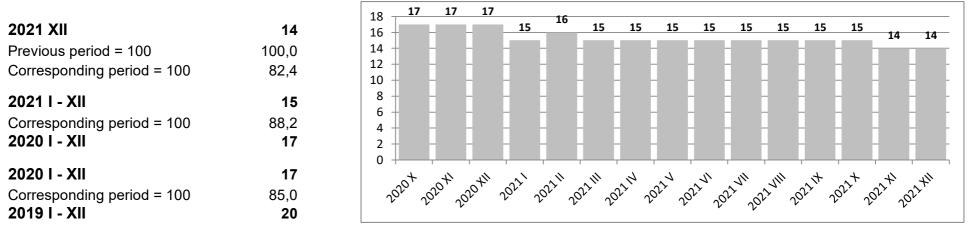
4048

3945

3999 3989

Manufacture of leather and related products

Employment in thous.



4400

4200

4000

3800

3600

3400

3655

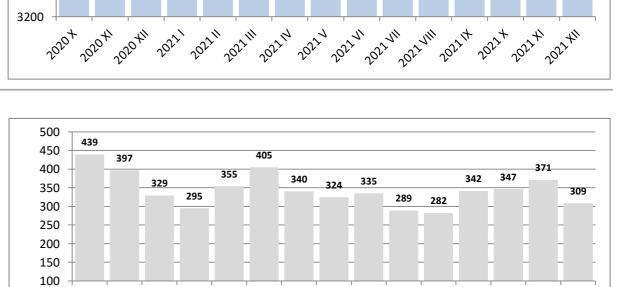
3593

Wages in PLN

| 2021 XII | 4230 |
|----------------------------|-------|
| Previous period = 100 | 108,3 |
| Corresponding period = 100 | 114,5 |
| 2021 I - XII | 3964 |
| Corresponding period = 100 | 113,2 |
| 2020 I - XII | 3502 |
| 2020 I - XII | 3502 |
| Corresponding period = 100 | 107,0 |
| 2019 I - XII | 3274 |

Sales million PLN

| 2021 XII | 309 |
|----------------------------|-------|
| Previous period = 100 | 83,9 |
| Corresponding period = 100 | 91,9 |
| 2021 I - XII | 4 113 |
| Corresponding period = 100 | 93,0 |
| 2020 I - XII | 4 365 |
| 2020 I - XII | 4 365 |
| Corresponding period = 100 | 90,4 |
| 2019 I - XII | 4 715 |
| | |



3903

3695 3695 3731

3867 3842

Compare key data

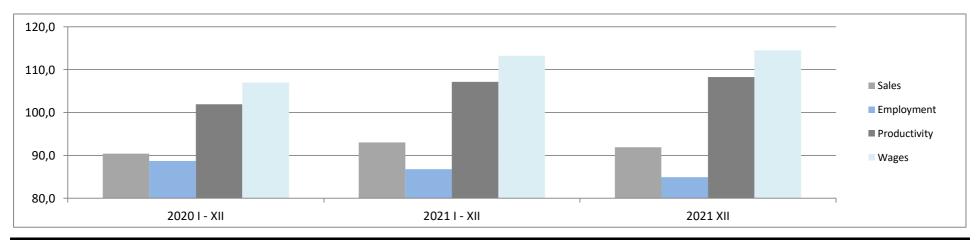
| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 4 715 | 4 365 | 4 365 | 4 113 | 309 |
| Sales per emp | oyed thous. PLN | 236 | 257 | 257 | 274 | 22 |
| Employment | in thous. | 20 | 17 | 17 | 15 | 14 |
| Wages | in PLN | 3274 | 3502 | 3502 | 3964 | 4230 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 90,4 | | 93,0 | 91,9 |
| Employment | Corresponding period = 100 | | 88,7 | | 86,8 | 84,9 |
| Productivity | Corresponding period = 100 | | 101,9 | | 107,1 | 108,2 |
| Wages | Corresponding period = 100 | | 107,0 | | 113,2 | 114,5 |

20204

2020+

2020711

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)



Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data

р. 15

4230

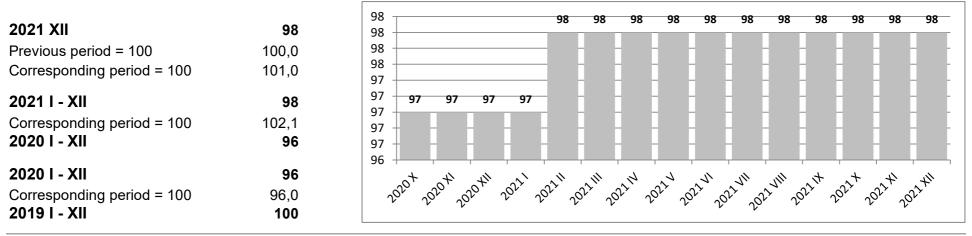
2021 111

3922 3906



Manufacture of products of wood, cork, straw and wicker

Employment in thous.

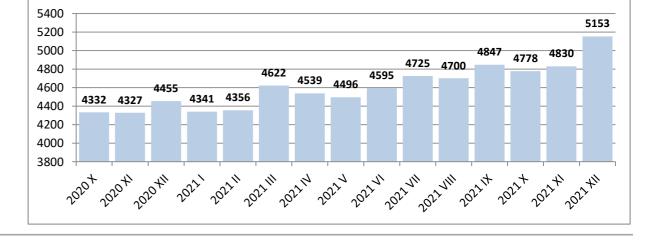


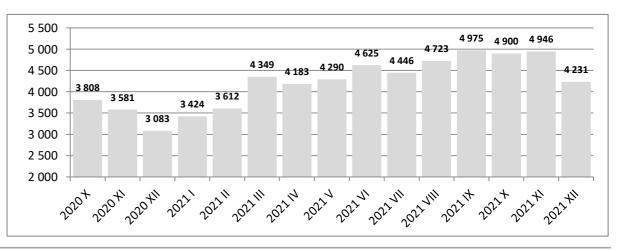
Wages in PLN

| 2021 XII | 5153 |
|----------------------------|-------------|
| Previous period = 100 | 106,7 |
| Corresponding period = 100 | 115,7 |
| 2021 I - XII | 4684 |
| Corresponding period = 100 | 111,4 |
| 2020 I - XII | 4203 |
| 2020 I - XII | 4203 |
| Corresponding period = 100 | 108,0 |
| 2019 I - XII | 3893 |



| 2019 I - XII | 38 213 |
|----------------------------|--------|
| Corresponding period = 100 | 104,9 |
| 2020 I - XII | 40 178 |
| 2020 I - XII | 40 178 |
| Corresponding period = 100 | 117,0 |
| 2021 I - XII | 52 667 |
| Corresponding period = 100 | 114,5 |
| Previous period = 100 | 85,6 |
| 2021 XII | 4 231 |

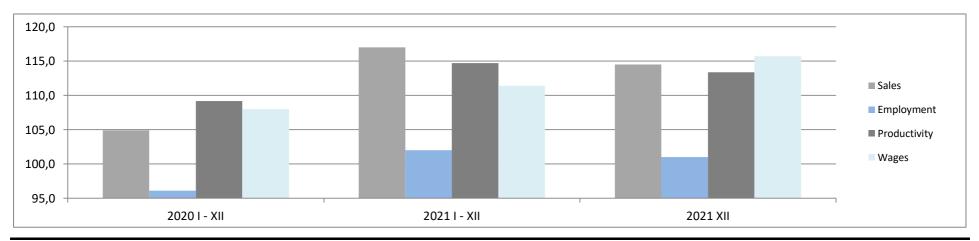




Compare key data

| • | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 38 213 | 40 178 | 40 178 | 52 667 | 4 231 |
| Sales per emp | boyed thous. PLN | 382 | 419 | 419 | 537 | 43 |
| Employment | in thous. | 100 | 96 | 96 | 98 | 98 |
| Wages | in PLN | 3893 | 4203 | 4203 | 4684 | 5153 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 104,9 | | 117,0 | 114,5 |
| Employment | Corresponding period = 100 | | 96,1 | | 102,0 | 101,0 |
| Productivity | Corresponding period = 100 | | 109,2 | | 114,7 | 113,4 |
| Wages | Corresponding period = 100 | | 108,0 | | 111,4 | 115,7 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

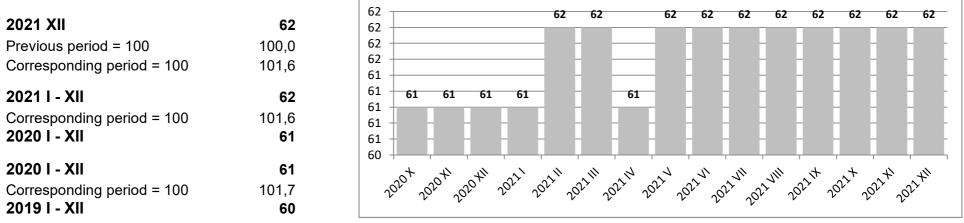


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



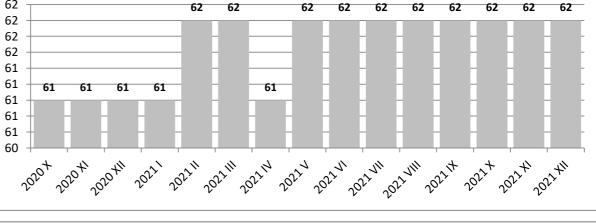
Manufacture of paper and paper products

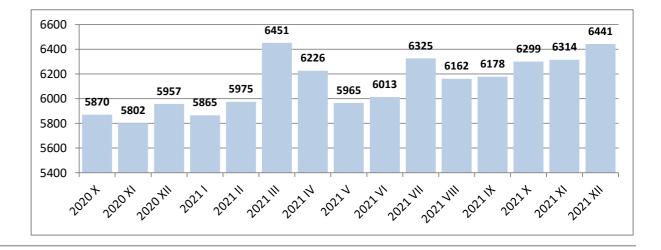
Employment in thous.



Wages in PLN

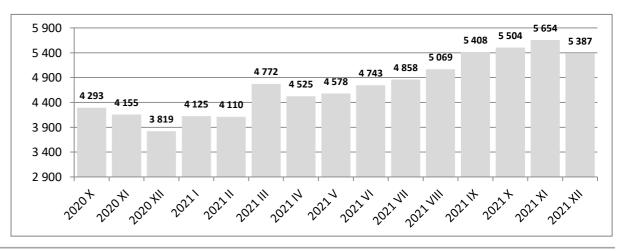
| 2021 XII | 6441 |
|----------------------------|-------|
| Previous period = 100 | 102,0 |
| Corresponding period = 100 | 108,1 |
| 2021 I - XII | 6205 |
| Corresponding period = 100 | 108,1 |
| 2020 I - XII | 5741 |
| 2020 I - XII | 5741 |
| Corresponding period = 100 | 107,0 |
| 2019 I - XII | 5366 |





Sales million PLN

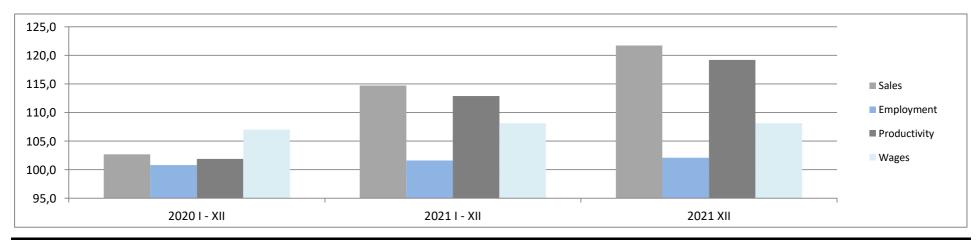
| 2021 XII | 5 387 |
|----------------------------|---------------|
| Previous period = 100 | 94,3 |
| Corresponding period = 100 | 121,7 |
| 2021 I - XII | 58 553 |
| Corresponding period = 100 | 114,7 |
| 2020 I - XII | 47 566 |
| 2020 I - XII | 47 566 |
| Corresponding period = 100 | 102,7 |
| 2019 I - XII | 47 325 |



Compare key data

| | | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 47 325 | 47 566 | 47 566 | 58 553 | 5 387 |
| Sales per emp | oyed thous. PLN | 789 | 780 | 780 | 944 | 87 |
| Employment | in thous. | 60 | 61 | 61 | 62 | 62 |
| Wages | in PLN | 5366 | 5741 | 5741 | 6205 | 6441 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 102,7 | | 114,7 | 121,7 |
| Employment | Corresponding period = 100 | | 100,8 | | 101,6 | 102,1 |
| Productivity | Corresponding period = 100 | | 101,9 | | 112,9 | 119,2 |
| Wages | Corresponding period = 100 | | 107,0 | | 108,1 | 108,1 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

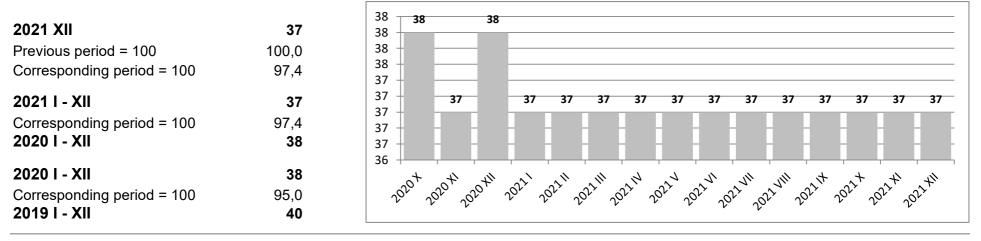


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



Printing and reproduction of recorded media

Employment in thous.



2020+

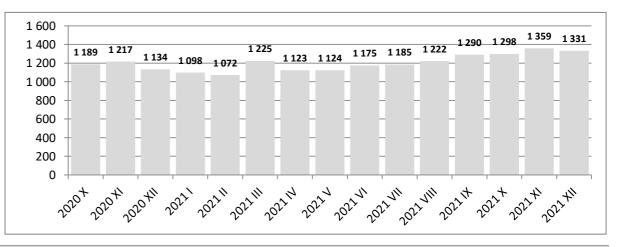
5840 5842

Wages in PLN

| 2021 XII | 6464 |
|----------------------------|-------|
| Previous period = 100 | 103,5 |
| Corresponding period = 100 | 110,5 |
| 2021 I - XII | 6101 |
| Corresponding period = 100 | 109,2 |
| 2020 I - XII | 5585 |
| 2020 I - XII | 5585 |
| Corresponding period = 100 | 103,3 |
| 2019 I - XII | 5405 |

Sales million PLN

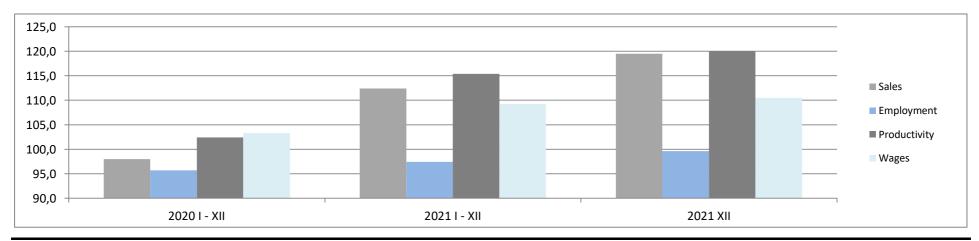
| 1 331 |
|--------|
| 98,1 |
| 119,5 |
| 14 798 |
| 112,4 |
| 13 499 |
| 13 499 |
| 98,0 |
| 14 109 |
| |



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 14 109 | 13 499 | 13 499 | 14 798 | 1 331 |
| Sales per emp | oyed thous. PLN | 353 | 355 | 355 | 400 | 36 |
| Employment | in thous. | 40 | 38 | 38 | 37 | 37 |
| Wages | in PLN | 5405 | 5585 | 5585 | 6101 | 6464 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 98,0 | | 112,4 | 119,5 |
| Employment | Corresponding period = 100 | | 95,7 | | 97,4 | 99,6 |
| Productivity | Corresponding period = 100 | | 102,4 | | 115,4 | 120,0 |
| Wages | Corresponding period = 100 | | 103,3 | | 109,2 | 110,5 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)



Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data

p. 18

2021/11

2021+

2021 411

2021 111



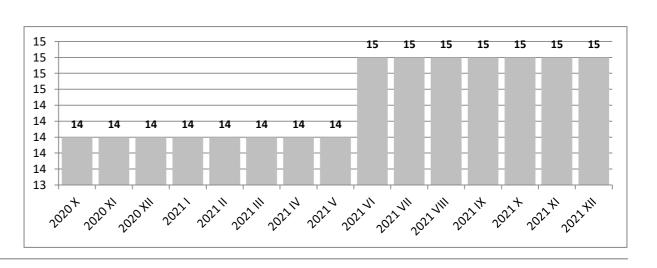
Manufacture of coke and refined petroleum products

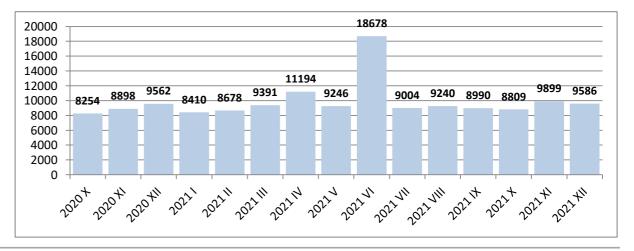
Employment in thous.

| 2021 XII | 15 |
|----------------------------|-------|
| Previous period = 100 | 100,0 |
| Corresponding period = 100 | 107,1 |
| 2021 I - XII | 15 |
| Corresponding period = 100 | 107,1 |
| 2020 I - XII | 14 |
| 2020 I - XII | 14 |
| Corresponding period = 100 | 100,0 |
| 2019 I - XII | 14 |



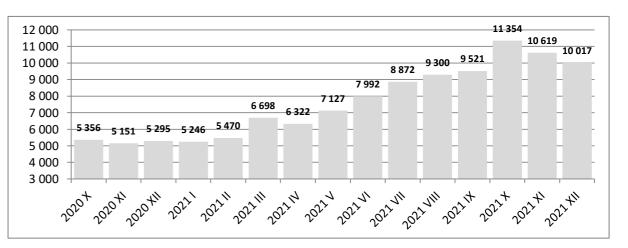
| 2021 XII | 9586 |
|----------------------------|--------------|
| Previous period = 100 | 96,8 |
| Corresponding period = 100 | 100,2 |
| 2021 I - XII | 10073 |
| Corresponding period = 100 | 106,2 |
| 2020 I - XII | 9481 |
| 2020 I - XII | 9481 |
| Corresponding period = 100 | 101,2 |
| 2019 I - XII | 9367 |





Sales million PLN

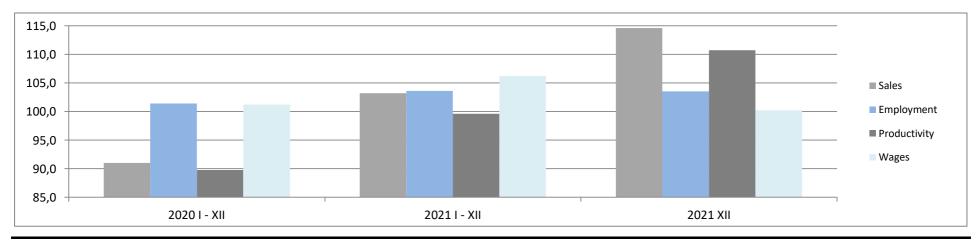
| 2019 I - XII | 87 767 |
|----------------------------|---------|
| Corresponding period = 100 | 91,0 |
| 2020 I - XII | 63 944 |
| 2020 I - XII | 63 944 |
| Corresponding period = 100 | 103,2 |
| 2021 I - XII | 101 381 |
| Corresponding period = 100 | 114,6 |
| Previous period = 100 | 100,0 |
| 2021 XII | 10 017 |



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 87 767 | 63 944 | 63 944 | 101 381 | 10 017 |
| Sales per emp | oyed thous. PLN | 6269 | 4567 | 4567 | 6759 | 668 |
| Employment | in thous. | 14 | 14 | 14 | 15 | 15 |
| Wages | in PLN | 9367 | 9481 | 9481 | 10073 | 9586 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 91,0 | | 103,2 | 114,6 |
| Employment | Corresponding period = 100 | | 101,4 | | 103,6 | 103,5 |
| Productivity | Corresponding period = 100 | | 89,7 | | 99,6 | 110,7 |
| Wages | Corresponding period = 100 | | 101,2 | | 106,2 | 100,2 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

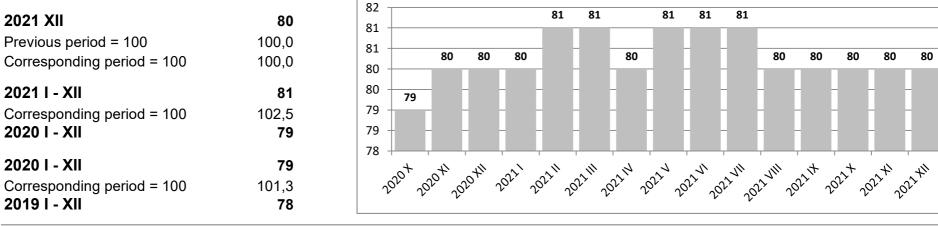


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



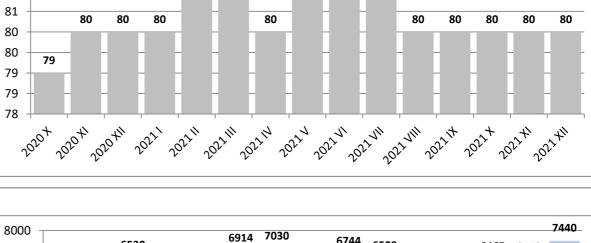
Manufacture of chemicals and chemical products

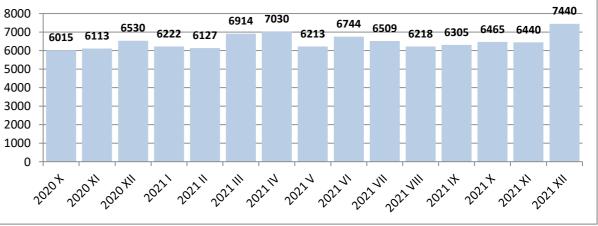
Employment in thous.



Wages in PLN

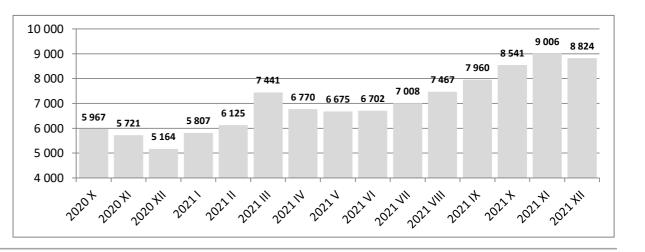
| 2021 XII | 7440 |
|----------------------------|-------|
| Previous period = 100 | 115,5 |
| Corresponding period = 100 | 113,9 |
| 2021 I - XII | 6544 |
| Corresponding period = 100 | 107,0 |
| 2020 I - XII | 6113 |
| 2020 I - XII | 6113 |
| Corresponding period = 100 | 105,3 |
| 2019 I - XII | 5807 |





Sales million PLN

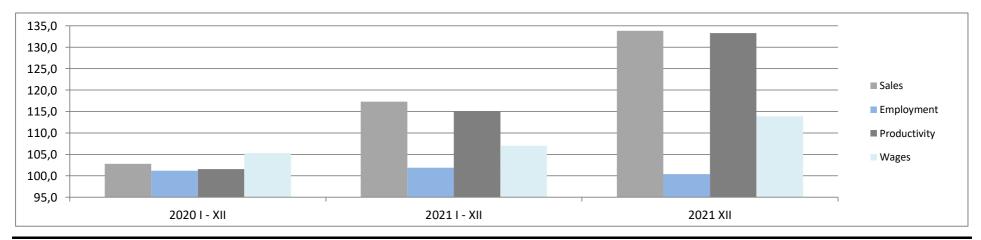
| 2021 XII | 8 824 |
|----------------------------|--------|
| Previous period = 100 | 95,1 |
| Corresponding period = 100 | 133,8 |
| 2021 I - XII | 88 274 |
| Corresponding period = 100 | 117,3 |
| 2020 I - XII | 66 445 |
| 2020 I - XII | 66 445 |
| Corresponding period = 100 | 102,8 |
| 2019 I - XII | 67 276 |
| | |



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 67 276 | 66 445 | 66 445 | 88 274 | 8 824 |
| Sales per emp | oyed thous. PLN | 863 | 841 | 841 | 1090 | 110 |
| Employment | in thous. | 78 | 79 | 79 | 81 | 80 |
| Wages | in PLN | 5807 | 6113 | 6113 | 6544 | 7440 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 102,8 | | 117,3 | 133,8 |
| Employment | Corresponding period = 100 | | 101,2 | | 101,9 | 100,4 |
| Productivity | Corresponding period = 100 | | 101,6 | | 115,1 | 133,3 |
| Wages | Corresponding period = 100 | | 105,3 | | 107,0 | 113,9 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

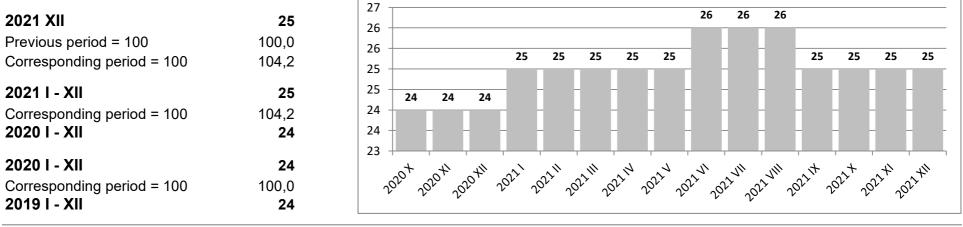


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



Manufacture of pharmaceutical products

Employment in thous.



202011

2021

2021

202111

202114

202041

4000

2000

0

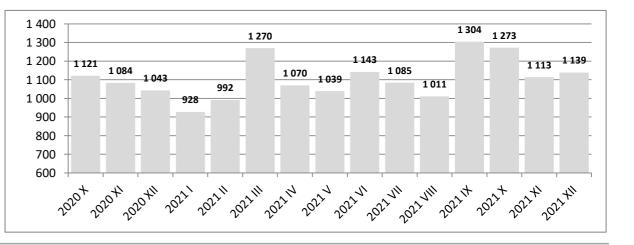
2020+

Wages in PLN

| 2021 XII | 9011 |
|----------------------------|-------------|
| Previous period = 100 | 112,7 |
| Corresponding period = 100 | 117,0 |
| 2021 I - XII | 8249 |
| Corresponding period = 100 | 109,6 |
| 2020 I - XII | 7524 |
| 2020 I - XII | 7524 |
| Corresponding period = 100 | 106,2 |
| 2019 I - XII | 7085 |

Sales million PLN

| 2021 XII | 1 139 |
|----------------------------|--------|
| Previous period = 100 | 102,5 |
| Corresponding period = 100 | 107,6 |
| 2021 I - XII | 13 337 |
| Corresponding period = 100 | 103,5 |
| 2020 I - XII | 12 667 |
| 2020 I - XII | 12 667 |
| Corresponding period = 100 | 106,0 |
| 2019 I - XII | 11 526 |



2021

2021 11

2021 111

2021/7

2021+

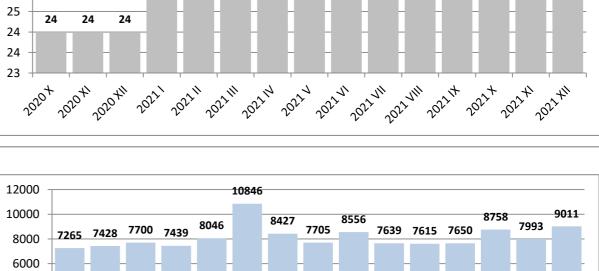
20224

2021 111

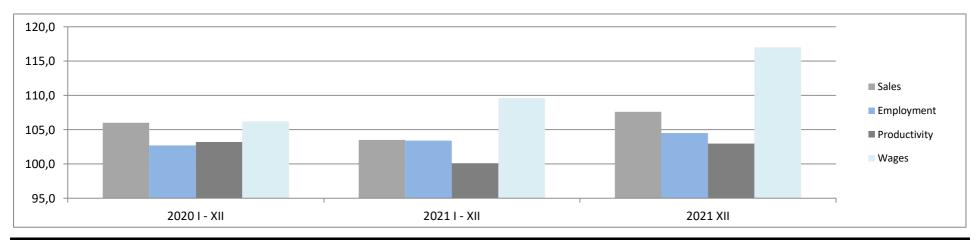
2021 111

Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 11 526 | 12 667 | 12 667 | 13 337 | 1 139 |
| Sales per emp | oyed thous. PLN | 480 | 528 | 528 | 533 | 46 |
| Employment | in thous. | 24 | 24 | 24 | 25 | 25 |
| Wages | in PLN | 7085 | 7524 | 7524 | 8249 | 9011 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 106,0 | | 103,5 | 107,6 |
| Employment | Corresponding period = 100 | | 102,7 | | 103,4 | 104,5 |
| Productivity | Corresponding period = 100 | | 103,2 | | 100,1 | 103,0 |
| Wages | Corresponding period = 100 | | 106,2 | | 109,6 | 117,0 |



Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

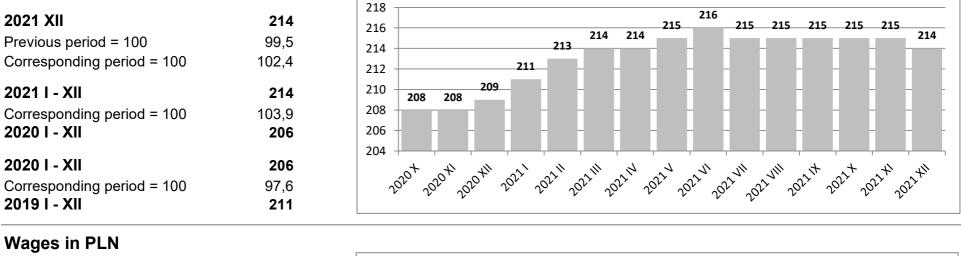


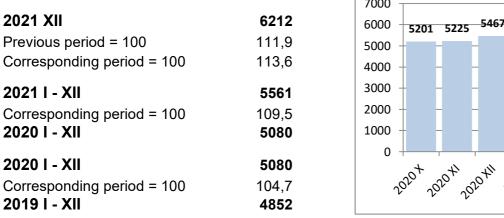
Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data

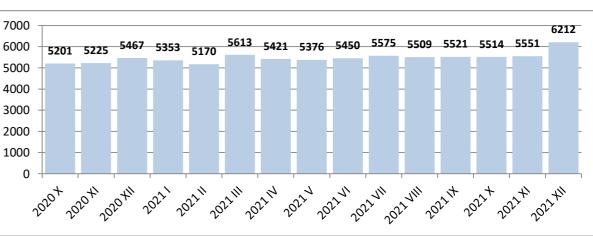


Manufacture of rubber and plastic products

Employment in thous.



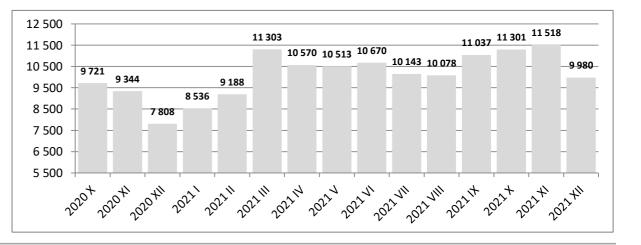




Sales million PLN

2021 XII

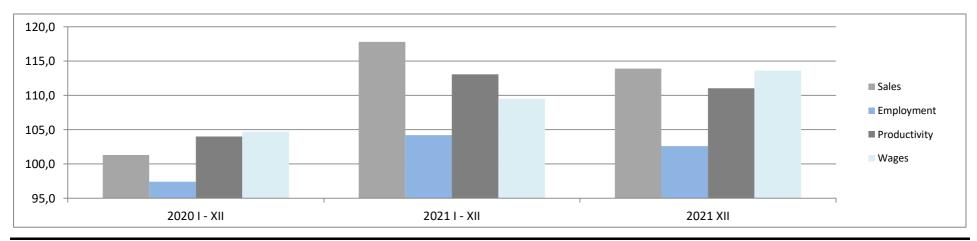
| 9 980 |
|---------|
| 86,1 |
| 113,9 |
| 124 984 |
| 117,8 |
| 99 973 |
| 99 973 |
| 101,3 |
| 99 813 |
| |



Compare key data

| • | • | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 99 813 | 99 973 | 99 973 | 124 984 | 9 980 |
| Sales per emp | ooyed thous. PLN | 473 | 485 | 485 | 584 | 47 |
| Employment | in thous. | 211 | 206 | 206 | 214 | 214 |
| Wages | in PLN | 4852 | 5080 | 5080 | 5561 | 6212 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 101,3 | | 117,8 | 113,9 |
| Employment | Corresponding period = 100 | | 97,4 | | 104,2 | 102,6 |
| Productivity | Corresponding period = 100 | | 104,0 | | 113,1 | 111,0 |
| Wages | Corresponding period = 100 | | 104,7 | | 109,5 | 113,6 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

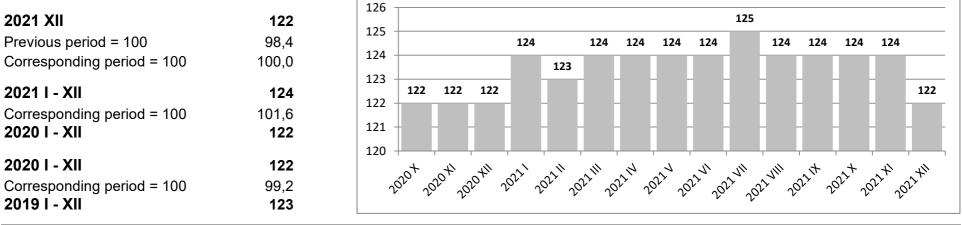


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



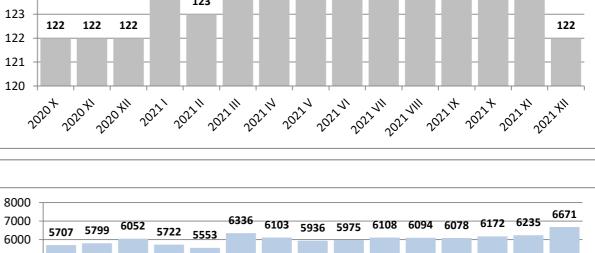
Manufacture of other nonmetalic mineral products

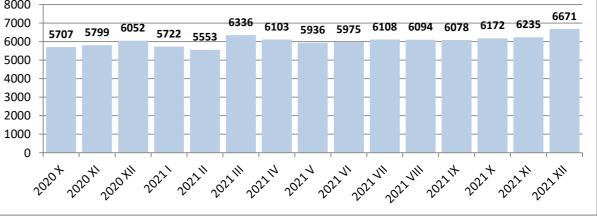
Employment in thous.



Wages in PLN

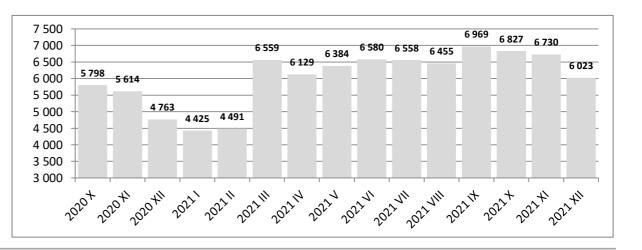
| 2021 XII | 6671 |
|----------------------------|-------------|
| Previous period = 100 | 107,0 |
| Corresponding period = 100 | 110,2 |
| 2021 I - XII | 6093 |
| Corresponding period = 100 | 108,5 |
| 2020 I - XII | 5618 |
| 2020 I - XII | 5618 |
| Corresponding period = 100 | 105,1 |
| 2019 I - XII | 5345 |





Sales million PLN

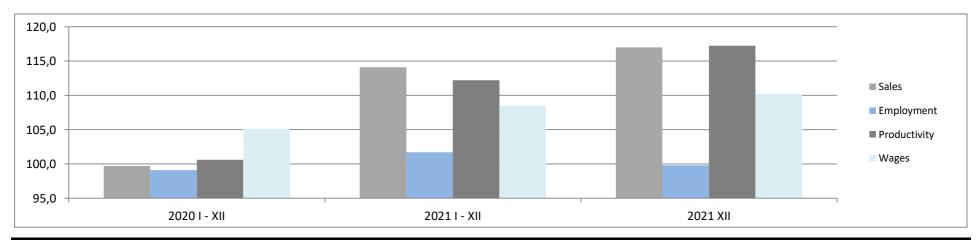
| 2021 XII | 6 023 |
|----------------------------|--------|
| Previous period = 100 | 88,8 |
| Corresponding period = 100 | 117,0 |
| 2021 I - XII | 74 471 |
| Corresponding period = 100 | 114,1 |
| 2020 I - XII | 63 240 |
| 2020 I - XII | 63 240 |
| Corresponding period = 100 | 99,7 |
| 2019 I - XII | 63 012 |
| | |



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 63 012 | 63 240 | 63 240 | 74 471 | 6 023 |
| Sales per emp | oyed thous. PLN | 512 | 518 | 518 | 601 | 49 |
| Employment | in thous. | 123 | 122 | 122 | 124 | 122 |
| Wages | in PLN | 5345 | 5618 | 5618 | 6093 | 6671 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 99,7 | | 114,1 | 117,0 |
| Employment | Corresponding period = 100 | | 99,1 | | 101,7 | 99,8 |
| Productivity | Corresponding period = 100 | | 100,6 | | 112,2 | 117,2 |
| Wages | Corresponding period = 100 | | 105,1 | | 108,5 | 110,2 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)



Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



Manufacture of basic metals

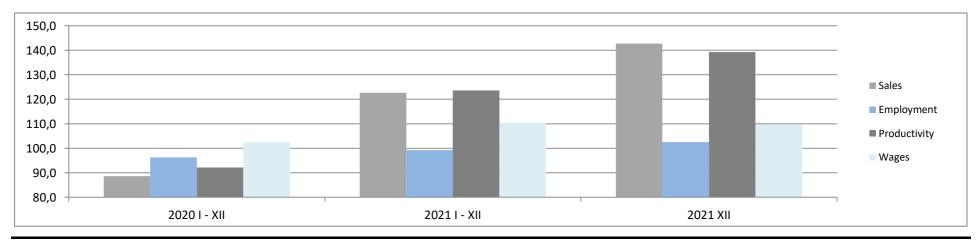
Employment in thous.



| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 58 615 | 49 427 | 49 427 | 77 542 | 6 996 |
| Sales per emp | oyed thous. PLN | 888 | 785 | 785 | 1231 | 111 |
| Employment | in thous. | 66 | 63 | 63 | 63 | 63 |
| Wages | in PLN | 5545 | 5676 | 5676 | 6261 | 6672 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 88,6 | | 122,6 | 142,7 |
| Employment | Corresponding period = 100 | | 96,2 | | 99,2 | 102,5 |
| | | | | | 100.0 | (|

| Productivity | Corresponding period = 100 | 92,1 | 123,6 | 139,2 |
|--------------|----------------------------|-------|-------|-------|
| Wages | Corresponding period = 100 | 102,4 | 110,3 | 109,6 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

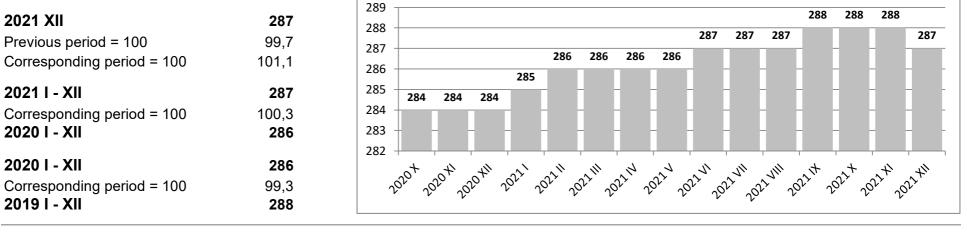


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



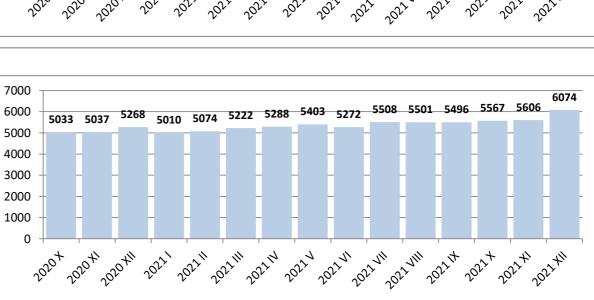
Manufacture of metal products

Employment in thous.



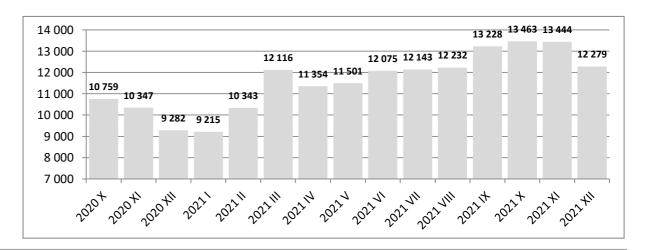
Wages in PLN

| 2021 XII | 6074 |
|----------------------------|-------------|
| Previous period = 100 | 108,3 |
| Corresponding period = 100 | 115,3 |
| 2021 I - XII | 5463 |
| Corresponding period = 100 | 112,0 |
| 2020 I - XII | 4878 |
| 2020 I - XII | 4878 |
| Corresponding period = 100 | 101,9 |
| 2019 I - XII | 4789 |



Sales million PLN

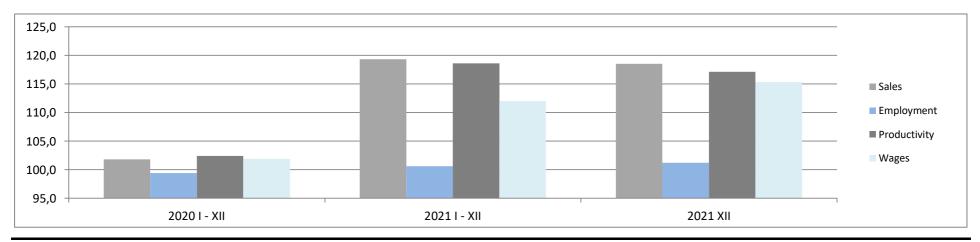
| 2021 XII | 12 279 |
|----------------------------|----------------|
| Previous period = 100 | 91,2 |
| Corresponding period = 100 | 118,5 |
| 2021 I - XII | 144 944 |
| Corresponding period = 100 | 119,3 |
| 2020 I - XII | 113 642 |
| 2020 I - XII | 113 642 |
| Corresponding period = 100 | 101,8 |
| 2019 I - XII | 111 442 |



Compare key data

| • | • | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 111 442 | 113 642 | 113 642 | 144 944 | 12 279 |
| Sales per emp | ooyed thous. PLN | 387 | 397 | 397 | 505 | 43 |
| Employment | in thous. | 288 | 286 | 286 | 287 | 287 |
| Wages | in PLN | 4789 | 4878 | 4878 | 5463 | 6074 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 101,8 | | 119,3 | 118,5 |
| Employment | Corresponding period = 100 | | 99,4 | | 100,6 | 101,2 |
| Productivity | Corresponding period = 100 | | 102,4 | | 118,6 | 117,1 |
| Wages | Corresponding period = 100 | | 101,9 | | 112,0 | 115,3 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

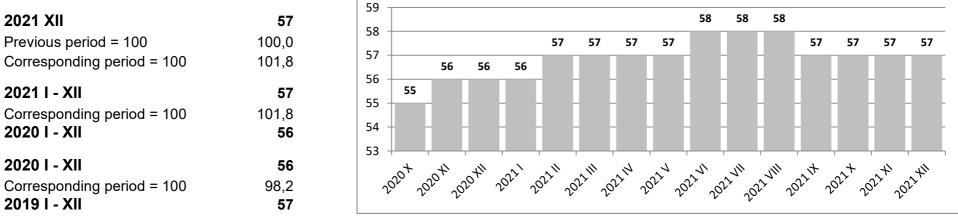


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



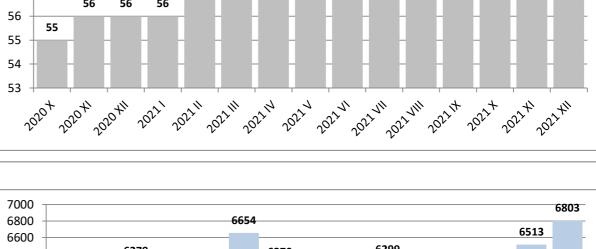
Manufacture of computer, electronic and optical products

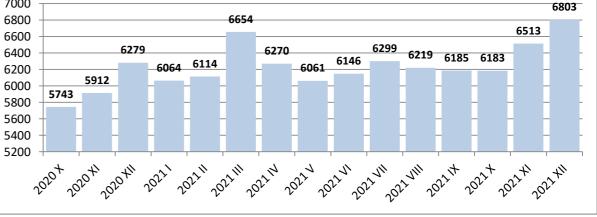
Employment in thous.



Wages in PLN

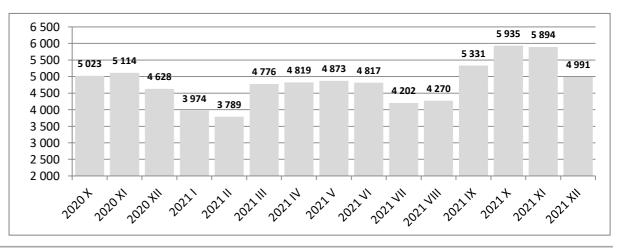
| 2021 XII | 6803 |
|----------------------------|-------------|
| Previous period = 100 | 104,5 |
| Corresponding period = 100 | 108,3 |
| 2021 I - XII | 6266 |
| Corresponding period = 100 | 109,5 |
| 2020 I - XII | 5722 |
| 2020 I - XII | 5722 |
| Corresponding period = 100 | 105,6 |
| 2019 I - XII | 5418 |





Sales million PLN

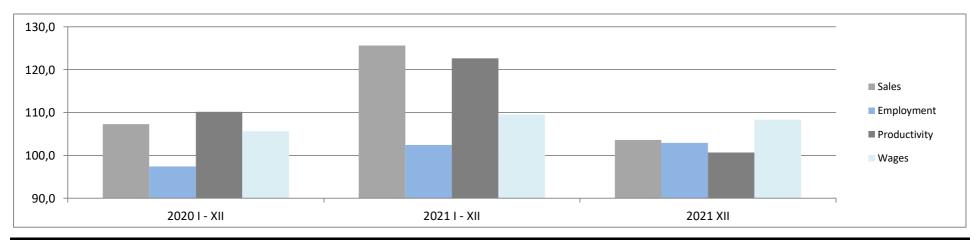
| 2021 XII | 4 991 |
|----------------------------|---------------|
| Previous period = 100 | 85,5 |
| Corresponding period = 100 | 103,6 |
| 2021 I - XII | 57 497 |
| Corresponding period = 100 | 125,6 |
| 2020 I - XII | 44 099 |
| 2020 I - XII | 44 099 |
| Corresponding period = 100 | 107,3 |
| 2019 I - XII | 41 681 |



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 41 681 | 44 099 | 44 099 | 57 497 | 4 991 |
| Sales per emp | oyed thous. PLN | 731 | 787 | 787 | 1009 | 88 |
| Employment | in thous. | 57 | 56 | 56 | 57 | 57 |
| Wages | in PLN | 5418 | 5722 | 5722 | 6266 | 6803 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 107,3 | | 125,6 | 103,6 |
| Employment | Corresponding period = 100 | | 97,4 | | 102,4 | 102,9 |
| Productivity | Corresponding period = 100 | | 110,2 | | 122,7 | 100,7 |
| Wages | Corresponding period = 100 | | 105,6 | | 109,5 | 108,3 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

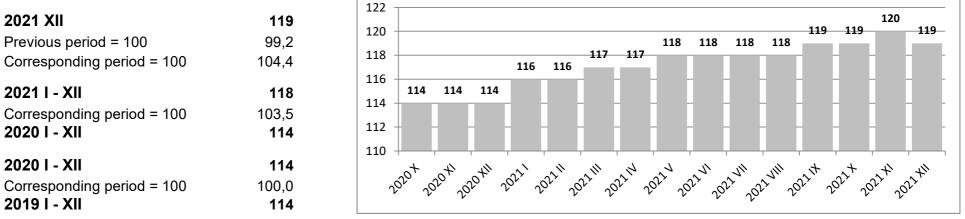


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



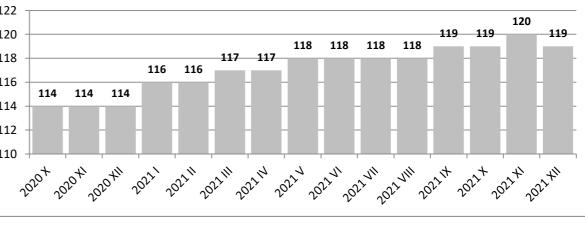
Manufacture of electrical equipment

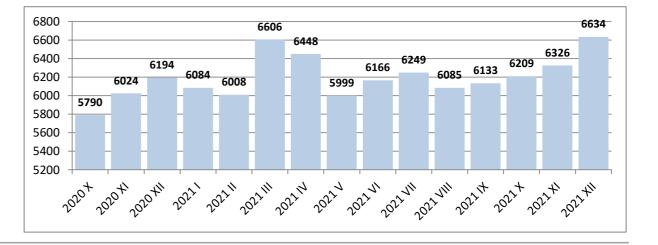
Employment in thous.



Wages in PLN

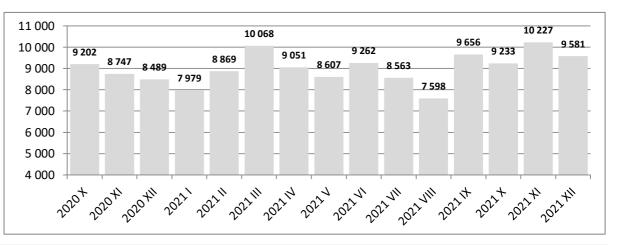
| 2021 XII | 6634 |
|----------------------------|-------------|
| Previous period = 100 | 104,9 |
| Corresponding period = 100 | 107,1 |
| 2021 I - XII | 6267 |
| Corresponding period = 100 | 109,7 |
| 2020 I - XII | 5714 |
| 2020 I - XII | 5714 |
| Corresponding period = 100 | 108,2 |
| 2019 I - XII | 5282 |





Sales million PLN

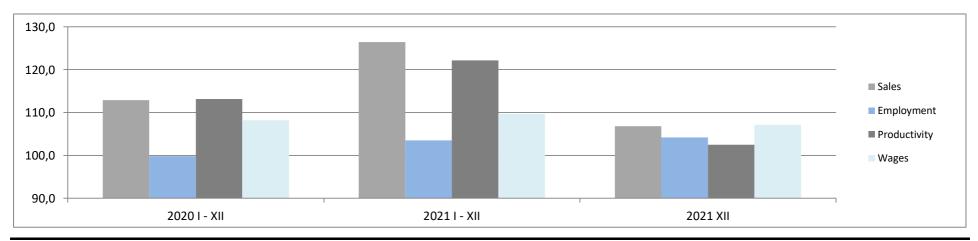
| 2021 XII | 9 581 |
|----------------------------|----------------|
| Previous period = 100 | 93,4 |
| Corresponding period = 100 | 106,8 |
| 2021 I - XII | 108 458 |
| Corresponding period = 100 | 126,4 |
| 2020 I - XII | 83 527 |
| 2020 I - XII | 83 527 |
| Corresponding period = 100 | 112,9 |
| 2019 I - XII | 73 018 |



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 73 018 | 83 527 | 83 527 | 108 458 | 9 581 |
| Sales per emp | oyed thous. PLN | 641 | 733 | 733 | 919 | 81 |
| Employment | in thous. | 114 | 114 | 114 | 118 | 119 |
| Wages | in PLN | 5282 | 5714 | 5714 | 6267 | 6634 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 112,9 | | 126,4 | 106,8 |
| Employment | Corresponding period = 100 | | 99,8 | | 103,5 | 104,2 |
| Productivity | Corresponding period = 100 | | 113,1 | | 122,1 | 102,5 |
| Wages | Corresponding period = 100 | | 108,2 | | 109,7 | 107,1 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

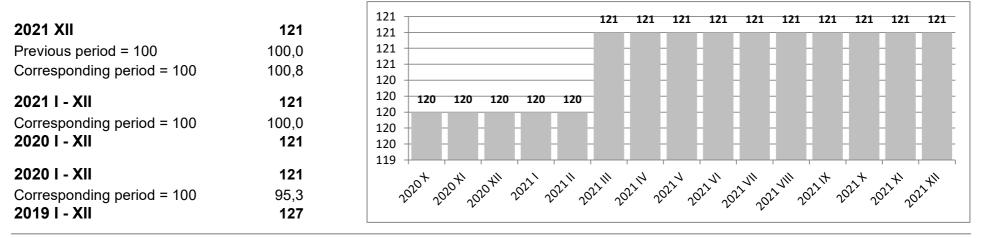


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



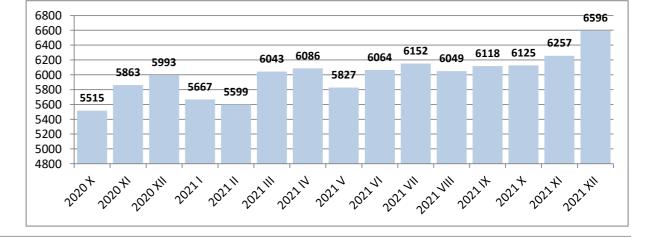
Manufacture of machinery and equipment n.e.c.

Employment in thous.



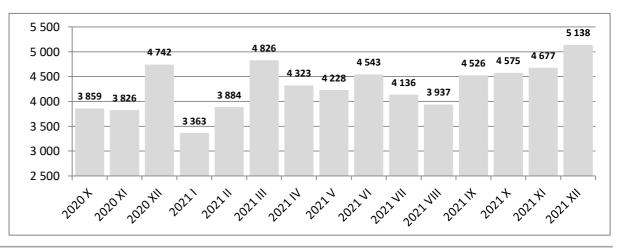
Wages in PLN

| 2021 XII | 6596 |
|----------------------------|-------------|
| Previous period = 100 | 105,4 |
| Corresponding period = 100 | 110,1 |
| 2021 I - XII | 6042 |
| Corresponding period = 100 | 110,5 |
| 2020 I - XII | 5470 |
| 2020 I - XII | 5470 |
| Corresponding period = 100 | 102,4 |
| 2019 I - XII | 5342 |



Sales million PLN

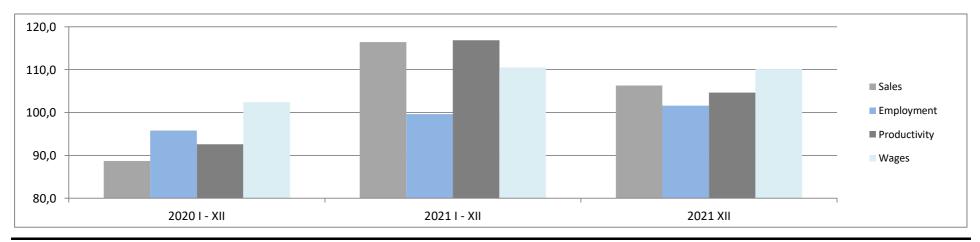
| 5 138 |
|------------------------|
| 109,4 106,3 |
| 52 562 |
| 116,4 44 896 |
| 44 896 |
| 88,7 50 258 |
| |



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 50 258 | 44 896 | 44 896 | 52 562 | 5 138 |
| Sales per emp | oyed thous. PLN | 396 | 371 | 371 | 434 | 42 |
| Employment | in thous. | 127 | 121 | 121 | 121 | 121 |
| Wages | in PLN | 5342 | 5470 | 5470 | 6042 | 6596 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 88,7 | | 116,4 | 106,3 |
| Employment | Corresponding period = 100 | | 95,8 | | 99,6 | 101,6 |
| Productivity | Corresponding period = 100 | | 92,6 | | 116,9 | 104,6 |
| Wages | Corresponding period = 100 | | 102,4 | | 110,5 | 110,1 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

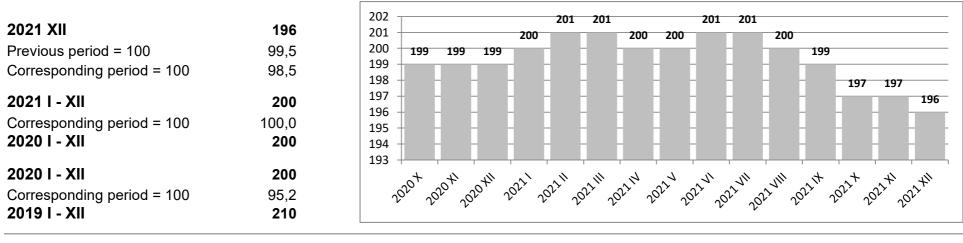


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



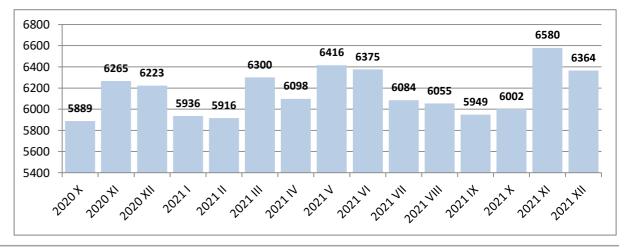
Manufacture of motor vehicles, trailers and semitrailers

Employment in thous.



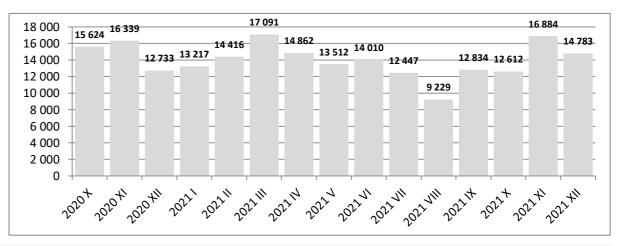
Wages in PLN

| 2021 XII | 6364 |
|----------------------------|-------|
| Previous period = 100 | 96,7 |
| Corresponding period = 100 | 102,3 |
| 2021 I - XII | 6202 |
| Corresponding period = 100 | 108,2 |
| 2020 I - XII | 5735 |
| 2020 I - XII | 5735 |
| Corresponding period = 100 | 102,3 |
| 2019 I - XII | 5608 |



Sales million PLN

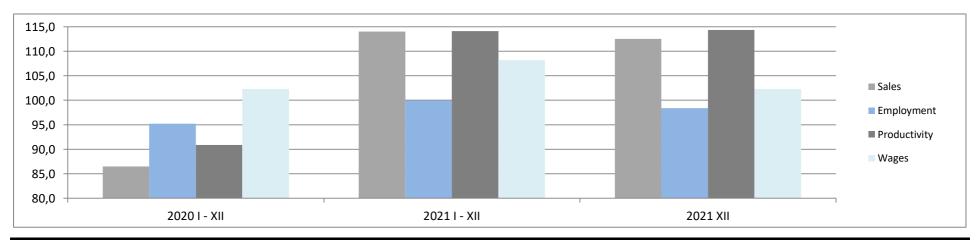
| 2021 XII | 14 783 |
|----------------------------|----------------|
| Previous period = 100 | 87,0 |
| Corresponding period = 100 | 112,5 |
| 2021 I - XII | 166 547 |
| Corresponding period = 100 | 114,0 |
| 2020 I - XII | 143 206 |
| 2020 I - XII | 143 206 |
| Corresponding period = 100 | 86,5 |
| 2019 I - XII | 160 401 |



Compare key data

| • | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 160 401 | 143 206 | 143 206 | 166 547 | 14 783 |
| Sales per emp | boyed thous. PLN | 764 | 716 | 716 | 833 | 75 |
| Employment | in thous. | 210 | 200 | 200 | 200 | 196 |
| Wages | in PLN | 5608 | 5735 | 5735 | 6202 | 6364 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 86,5 | | 114,0 | 112,5 |
| Employment | Corresponding period = 100 | | 95,2 | | 99,9 | 98,4 |
| Productivity | Corresponding period = 100 | | 90,9 | | 114,1 | 114,3 |
| Wages | Corresponding period = 100 | | 102,3 | | 108,2 | 102,3 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

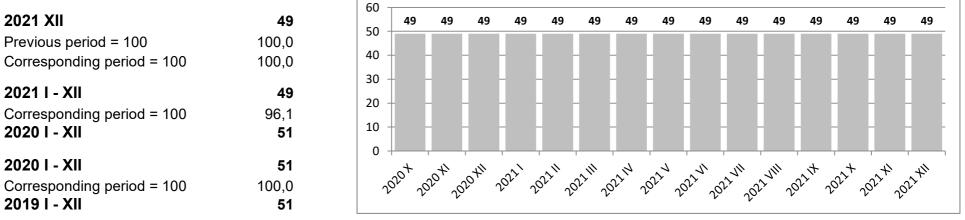


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



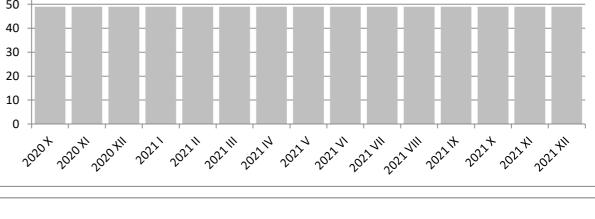
Manufacture of other transport equipment

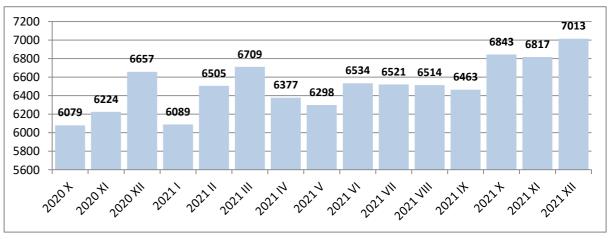
Employment in thous.



Wages in PLN

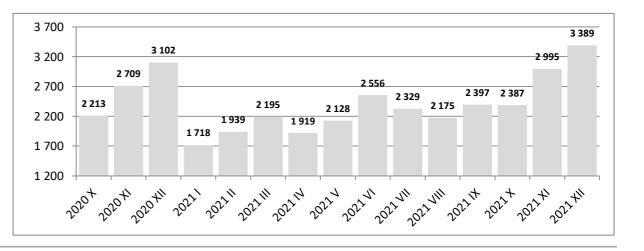
| 2021 XII | 7013 |
|----------------------------|-------|
| Previous period = 100 | 102,9 |
| Corresponding period = 100 | 105,4 |
| 2021 I - XII | 6576 |
| Corresponding period = 100 | 108,1 |
| 2020 I - XII | 6086 |
| 2020 I - XII | 6086 |
| Corresponding period = 100 | 102,5 |
| 2019 I - XII | 5936 |





Sales million PLN

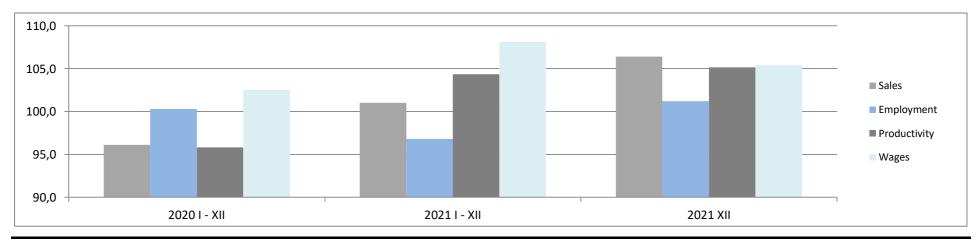
| 2021 XII | 3 389 |
|----------------------------|---------------|
| Previous period = 100 | 113,5 |
| Corresponding period = 100 | 106,4 |
| 2021 I - XII | 28 110 |
| Corresponding period = 100 | 101,0 |
| 2020 I - XII | 27 142 |
| 2020 I - XII | 27 142 |
| Corresponding period = 100 | 96,1 |
| 2019 I - XII | 27 416 |



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 27 416 | 27 142 | 27 142 | 28 110 | 3 389 |
| Sales per emp | oyed thous. PLN | 538 | 532 | 532 | 574 | 69 |
| Employment | in thous. | 51 | 51 | 51 | 49 | 49 |
| Wages | in PLN | 5936 | 6086 | 6086 | 6576 | 7013 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 96,1 | | 101,0 | 106,4 |
| Employment | Corresponding period = 100 | | 100,3 | | 96,8 | 101,2 |
| Productivity | Corresponding period = 100 | | 95,8 | | 104,3 | 105,1 |
| Wages | Corresponding period = 100 | | 102,5 | | 108,1 | 105,4 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

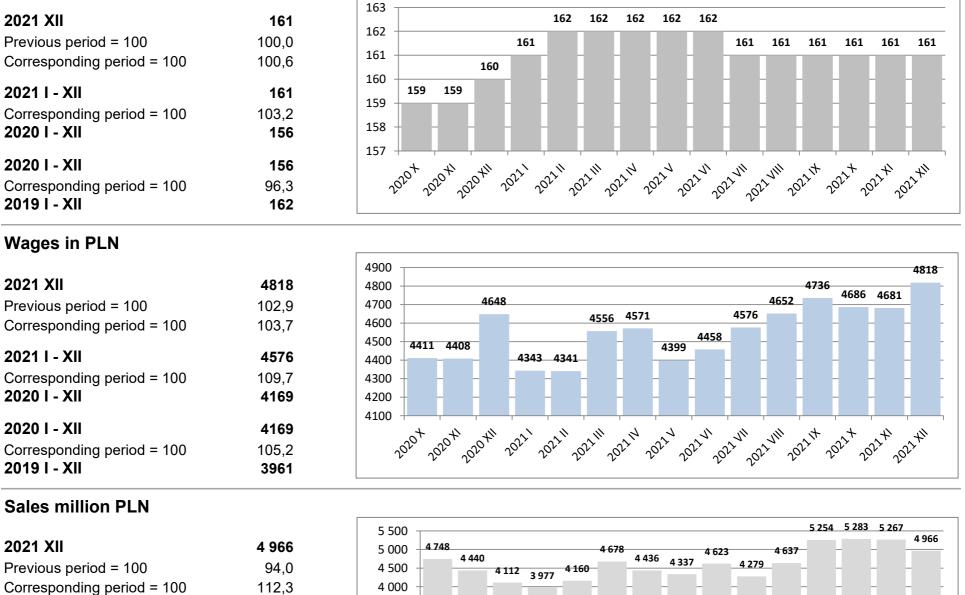


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



Manufacture of furniture

Employment in thous.



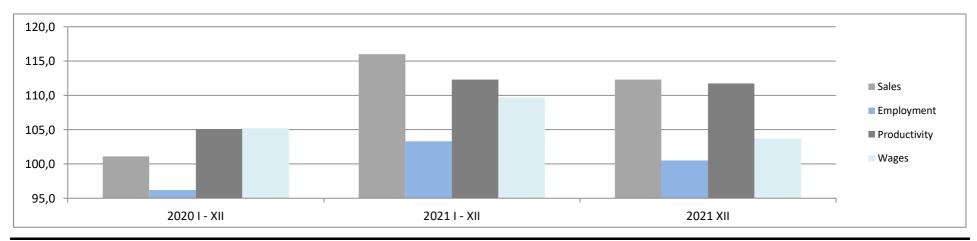
| 2021 XII | 4 966 | 5 000 4 748 | 4 678 |
|----------------------------|--------|-----------------------------|----------------|
| Previous period = 100 | 94,0 | 4 440 | 4 436 |
| - | | 3 977 | 100 |
| Corresponding period = 100 | 112,3 | 4 000 | |
| | | 3 500 | |
| 2021 I - XII | 56 051 | 3 000 | |
| Corresponding period = 100 | 116,0 | 2 500 | |
| 2020 I - XII | 46 656 | 2 000 | |
| 2020 XII | | 1 500 | 1 1 |
| 2020 I - XII | 46 656 | | 4 11 1 |
| Corresponding period = 100 | 101,1 | 2020+2020+2020+11 2021 2021 | -022 -022 - or |
| 2019 I - XII | 46 595 | | |
| | | | |

$\begin{array}{c} 4748 \\ 4440 \\ 4440 \\ 4112 \\ 3977 \\ 4160 \\ 4436 \\ 4337 \\ 4678 \\ 4678 \\ 4678 \\ 4623 \\ 4279 \\ 4637 \\ 46$

Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 46 595 | 46 656 | 46 656 | 56 051 | 4 966 |
| Sales per emp | oyed thous. PLN | 288 | 299 | 299 | 348 | 31 |
| Employment | in thous. | 162 | 156 | 156 | 161 | 161 |
| Wages | in PLN | 3961 | 4169 | 4169 | 4576 | 4818 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 101,1 | | 116,0 | 112,3 |
| Employment | Corresponding period = 100 | | 96,2 | | 103,3 | 100,5 |
| Productivity | Corresponding period = 100 | | 105,1 | | 112,3 | 111,7 |
| Wages | Corresponding period = 100 | | 105,2 | | 109,7 | 103,7 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)



Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



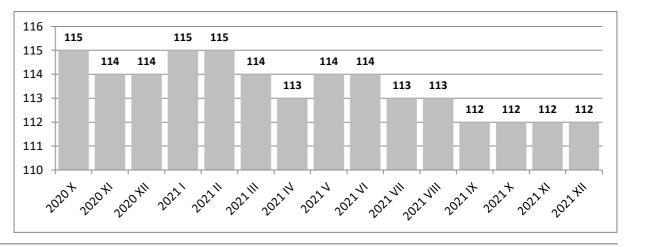
ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY

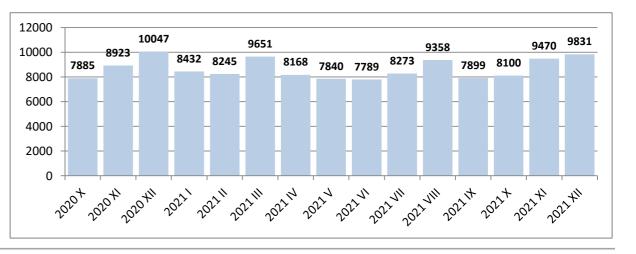
Employment in thous.

| 2021 XII | 112 |
|----------------------------|-------|
| Previous period = 100 | 100,0 |
| Corresponding period = 100 | 98,2 |
| 2021 I - XII | 113 |
| Corresponding period = 100 | 97,4 |
| 2020 I - XII | 116 |
| 2020 I - XII | 116 |
| Corresponding period = 100 | 99,1 |
| 2019 I - XII | 117 |

Wages in PLN

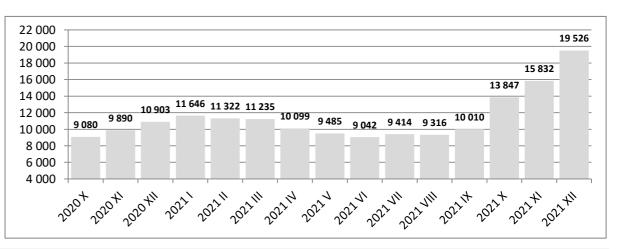
| 2021 XII | 9831 |
|----------------------------|-------------|
| Previous period = 100 | 103,8 |
| Corresponding period = 100 | 97,8 |
| 2021 I - XII | 8665 |
| Corresponding period = 100 | 105,3 |
| 2020 I - XII | 8226 |
| 2020 I - XII | 8226 |
| Corresponding period = 100 | 105,1 |
| 2019 I - XII | 7827 |





Sales million PLN

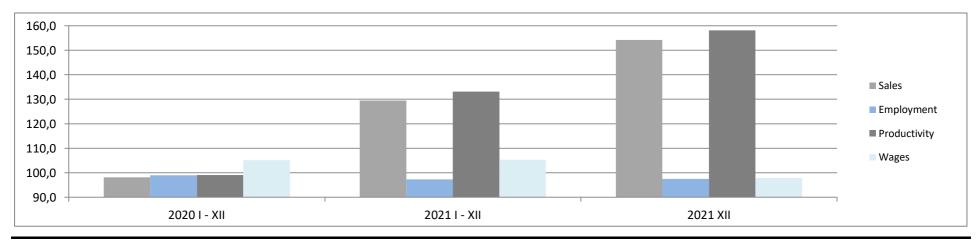
| 2021 XII | 19 526 |
|----------------------------|----------------|
| Previous period = 100 | 117,0 |
| Corresponding period = 100 | 154,2 |
| 2021 I - XII | 149 022 |
| Corresponding period = 100 | 129,5 |
| 2020 I - XII | 108 279 |
| 2020 I - XII | 108 279 |
| Corresponding period = 100 | 98,1 |
| 2019 I - XII | 107 539 |



Compare key data

| • | | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 107 539 | 108 279 | 108 279 | 149 022 | 19 526 |
| Sales per emp | oyed thous. PLN | 919 | 933 | 933 | 1319 | 174 |
| Employment | in thous. | 117 | 116 | 116 | 113 | 112 |
| Wages | in PLN | 7827 | 8226 | 8226 | 8665 | 9831 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 98,1 | | 129,5 | 154,2 |
| Employment | Corresponding period = 100 | | 99,0 | | 97,3 | 97,5 |
| Productivity | Corresponding period = 100 | | 99,1 | | 133,1 | 158,2 |
| Wages | Corresponding period = 100 | | 105,1 | | 105,3 | 97,8 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)



Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



WATER, SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITES

7000

6000

5000

4000 3000

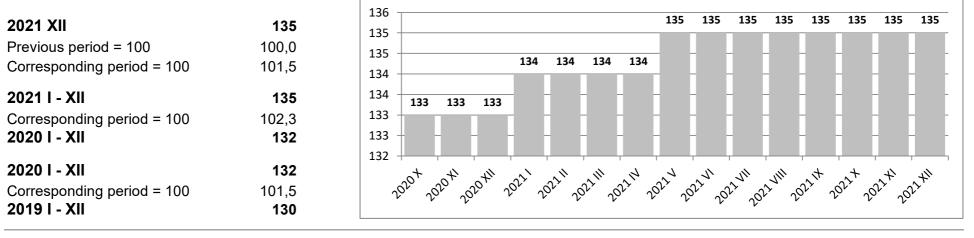
2000

1000

0

2020+

Employment in thous.



5759

2021

202111

2021

202111

5004 5016

2020+1

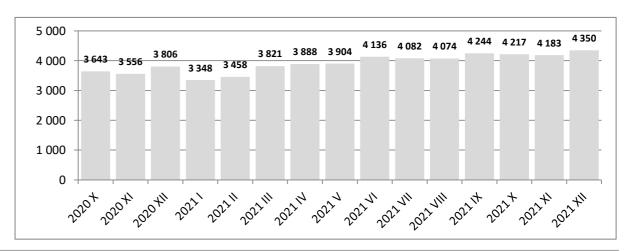
2020411

Wages in PLN

| 2021 XII | 6349 |
|----------------------------|-------------|
| Previous period = 100 | 116,0 |
| Corresponding period = 100 | 110,2 |
| 2021 I - XII | 5343 |
| Corresponding period = 100 | 107,0 |
| 2020 I - XII | 4993 |
| 2020 I - XII | 4993 |
| Corresponding period = 100 | 105,3 |
| 2019 I - XII | 4742 |



| 2021 XII | 4 350 |
|----------------------------|--------|
| Previous period = 100 | 104,0 |
| Corresponding period = 100 | 109,6 |
| 2021 I - XII | 49 474 |
| Corresponding period = 100 | 110,7 |
| 2020 I - XII | 42 853 |
| 2020 I - XII | 42 853 |
| Corresponding period = 100 | 106,9 |
| 2019 I - XII | 37 630 |
| | |



5044 5083 5216 5131 5139 5249 5364 5279 5370 5341 5472

2021 11

2021

2021 111

2021/11

2021/1

2022+

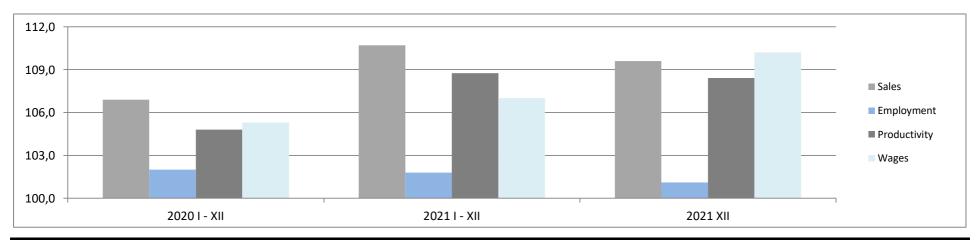
20214

2021 111

Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 37 630 | 42 853 | 42 853 | 49 474 | 4 350 |
| Sales per emp | ooyed thous. PLN | 289 | 325 | 325 | 366 | 32 |
| Employment | in thous. | 130 | 132 | 132 | 135 | 135 |
| Wages | in PLN | 4742 | 4993 | 4993 | 5343 | 6349 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 106,9 | | 110,7 | 109,6 |
| Employment | Corresponding period = 100 | | 102,0 | | 101,8 | 101,1 |
| Productivity | Corresponding period = 100 | | 104,8 | | 108,7 | 108,4 |
| Wages | Corresponding period = 100 | | 105,3 | | 107,0 | 110,2 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)



Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data

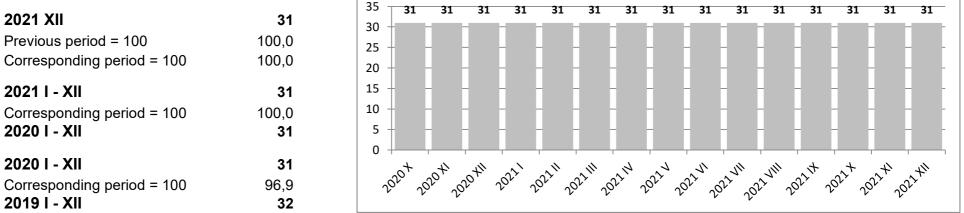
р. 33

6349



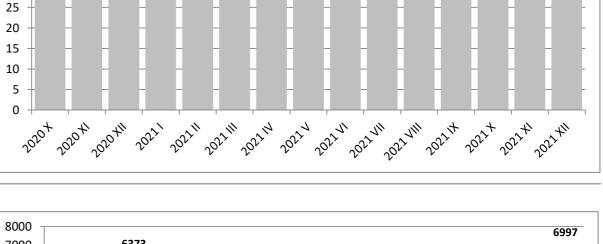
Water collection, treatment and supply

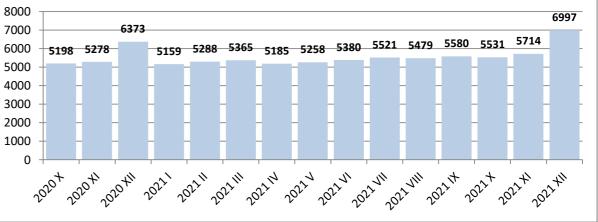
Employment in thous.



Wages in PLN

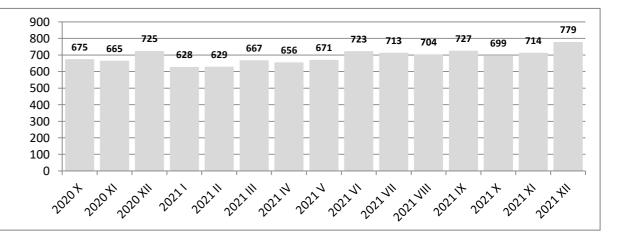
| 2021 XII | 6997 |
|----------------------------|-------|
| Previous period = 100 | 122,5 |
| Corresponding period = 100 | 109,8 |
| 2021 I - XII | 5513 |
| Corresponding period = 100 | 105,5 |
| 2020 I - XII | 5226 |
| 2020 I - XII | 5226 |
| Corresponding period = 100 | 104,4 |
| 2019 I - XII | 5006 |





Sales million PLN

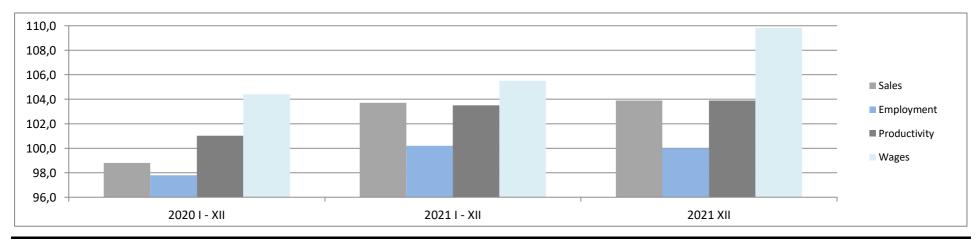
| 2019 I - XII | 7 931 |
|--|---------------------------------------|
| Corresponding period = 100 | 98,8 |
| 2020 I - XII | 8 018 |
| 2021 I - XII Corresponding period = 100 2020 I - XII | 8 491 103,7 8 018 |
| 0004 | 0 404 |
| Previous period = 100 Corresponding period = 100 | 109,0 103,9 |
| 2021 XII | 779 |



Compare key data

| | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 7 931 | 8 018 | 8 018 | 8 491 | 779 |
| Sales per emp | oyed thous. PLN | 248 | 259 | 259 | 274 | 25 |
| Employment | in thous. | 32 | 31 | 31 | 31 | 31 |
| Wages | in PLN | 5006 | 5226 | 5226 | 5513 | 6997 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 98,8 | | 103,7 | 103,9 |
| Employment | Corresponding period = 100 | | 97,8 | | 100,2 | 100,0 |
| Productivity | Corresponding period = 100 | | 101,0 | | 103,5 | 103,9 |
| Wages | Corresponding period = 100 | | 104,4 | | 105,5 | 109,8 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

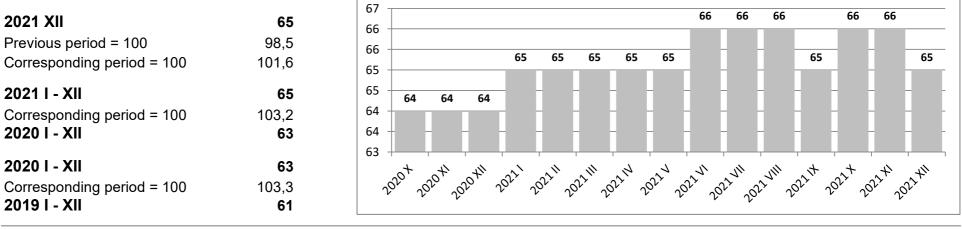


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



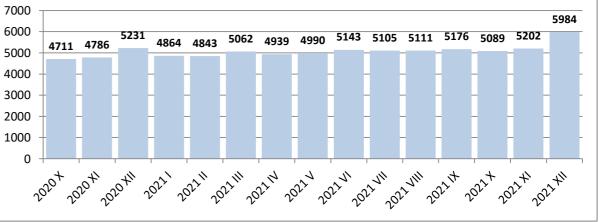
Waste collection, treatment and disposal activieties; materials recovery

Employment in thous.



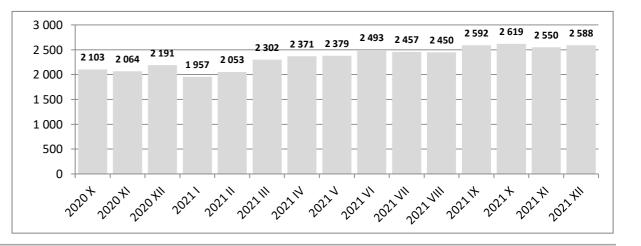
Wages in PLN

| 2021 XII | 5984 |
|----------------------------|-------------|
| Previous period = 100 | 115,0 |
| Corresponding period = 100 | 114,4 |
| 2021 I - XII | 5141 |
| Corresponding period = 100 | 108,3 |
| 2020 I - XII | 4747 |
| 2020 I - XII | 4747 |
| Corresponding period = 100 | 106,8 |
| 2019 I - XII | 4445 |



Sales million PLN

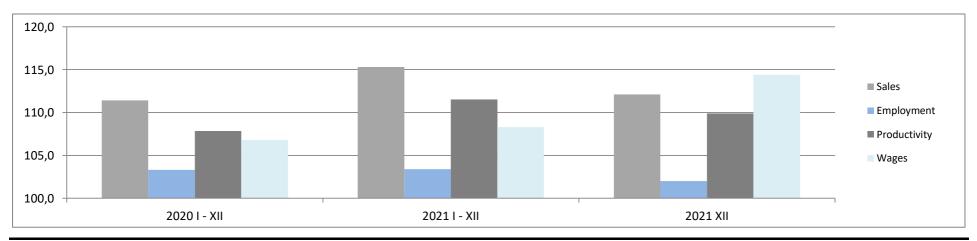
| 2021 XII | 2 588 |
|----------------------------|---------------|
| Previous period = 100 | 101,1 |
| Corresponding period = 100 | 112,1 |
| 2021 I - XII | 30 203 |
| Corresponding period = 100 | 115,3 |
| 2020 I - XII | 24 819 |
| 2020 I - XII | 24 819 |
| Corresponding period = 100 | 111,4 |
| 2019 I - XII | 20 255 |



Compare key data

| | | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 20 255 | 24 819 | 24 819 | 30 203 | 2 588 |
| Sales per emp | boyed thous. PLN | 332 | 394 | 394 | 465 | 40 |
| Employment | in thous. | 61 | 63 | 63 | 65 | 65 |
| Wages | in PLN | 4445 | 4747 | 4747 | 5141 | 5984 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 111,4 | | 115,3 | 112,1 |
| Employment | Corresponding period = 100 | | 103,3 | | 103,4 | 102,0 |
| Productivity | Corresponding period = 100 | | 107,8 | | 111,5 | 109,9 |
| Wages | Corresponding period = 100 | | 106,8 | | 108,3 | 114,4 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

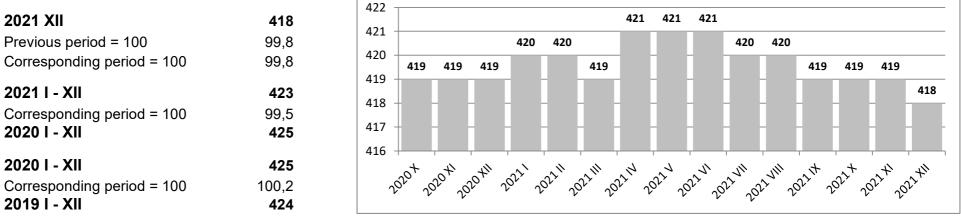


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



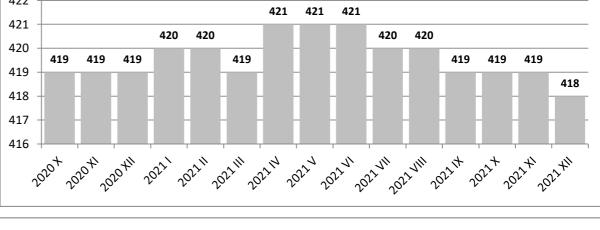
CONSTRUCTION - Total

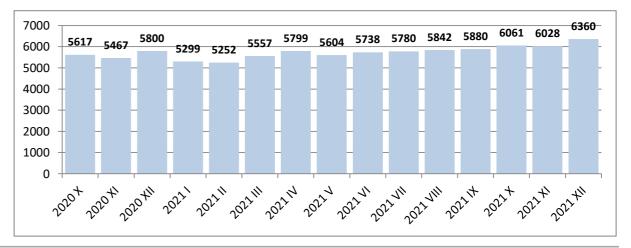
Employment in thous.



Wages in PLN

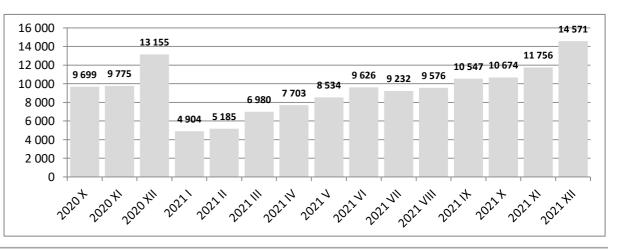
| 2021 XII | 6360 |
|---|----------------|
| Previous period = 100 Corresponding period = 100 | 105,5 109,7 |
| | 109,7 |
| 2021 I - XII | 5826 |
| Corresponding period = 100 | 107,8 |
| 2020 I - XII | 5403 |
| 2020 I - XII | 5403 |
| Corresponding period = 100 | 103,6 |
| 2019 I - XII | 5217 |





Sales million PLN

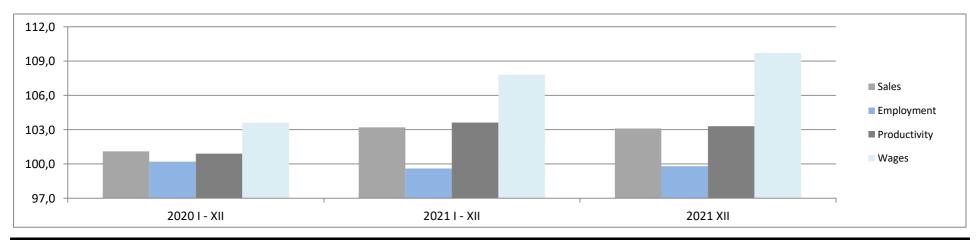
| 2021 XII | 14 571 |
|----------------------------|----------------|
| Previous period = 100 | 122,9 |
| Corresponding period = 100 | 103,1 |
| 2021 I - XII | 117 075 |
| Corresponding period = 100 | 103,2 |
| 2020 I - XII | 111 882 |
| 2020 I - XII | 111 882 |
| Corresponding period = 100 | 101,1 |
| 2019 I - XII | 111 453 |



Compare key data

| • | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 111 453 | 111 882 | 111 882 | 117 075 | 14 571 |
| Sales per emp | boyed thous. PLN | 263 | 263 | 263 | 277 | 35 |
| Employment | in thous. | 424 | 425 | 425 | 423 | 418 |
| Wages | in PLN | 5217 | 5403 | 5403 | 5826 | 6360 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 101,1 | | 103,2 | 103,1 |
| Employment | Corresponding period = 100 | | 100,2 | | 99,6 | 99,8 |
| Productivity | Corresponding period = 100 | | 100,9 | | 103,6 | 103,3 |
| Wages | Corresponding period = 100 | | 103,6 | | 107,8 | 109,7 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

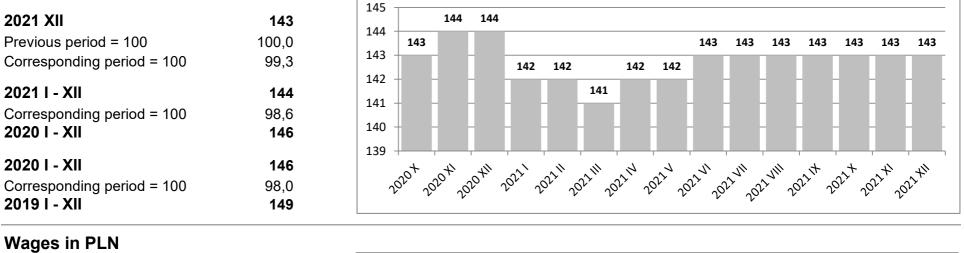


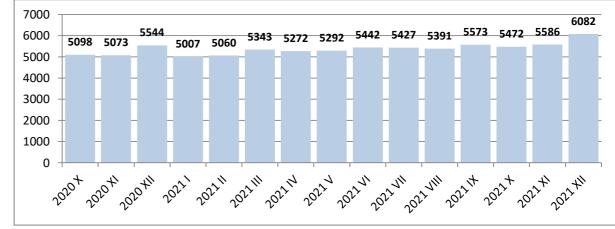
Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



Construction of buildings

Employment in thous.





Sales million PLN

Previous period = 100

Corresponding period = 100

Corresponding period = 100

Corresponding period = 100

2021 XII

2021 I - XII

2020 I - XII

2020 I - XII

2019 I - XII

| 2021 XII | 4 207 |
|----------------------------|---------------|
| Previous period = 100 | 117,5 |
| Corresponding period = 100 | 101,7 |
| 2021 I - XII | 36 259 |
| Corresponding period = 100 | 98,8 |
| 2020 I - XII | 34 011 |
| 2020 I - XII | 34 011 |
| Corresponding period = 100 | 97,8 |
| 2019 I - XII | 35 150 |

6082

108,9

109,7

5467

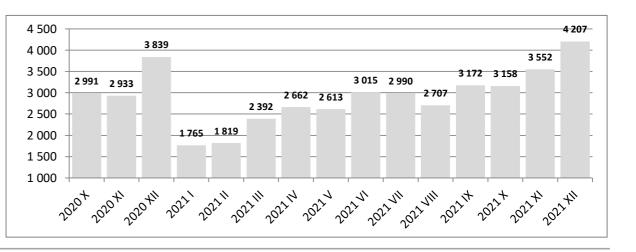
108,3

5048

5048

102,8

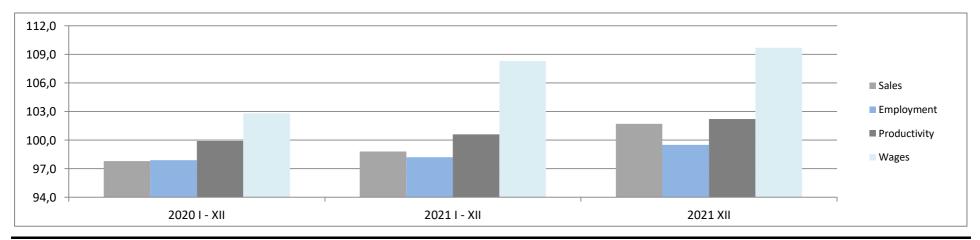
4911



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 35 150 | 34 011 | 34 011 | 36 259 | 4 207 |
| Sales per emp | oyed thous. PLN | 236 | 233 | 233 | 252 | 29 |
| Employment | in thous. | 149 | 146 | 146 | 144 | 143 |
| Wages | in PLN | 4911 | 5048 | 5048 | 5467 | 6082 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 97,8 | | 98,8 | 101,7 |
| Employment | Corresponding period = 100 | | 97,9 | | 98,2 | 99,5 |
| Productivity | Corresponding period = 100 | | 99,9 | | 100,6 | 102,2 |
| Wages | Corresponding period = 100 | | 102,8 | | 108,3 | 109,7 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

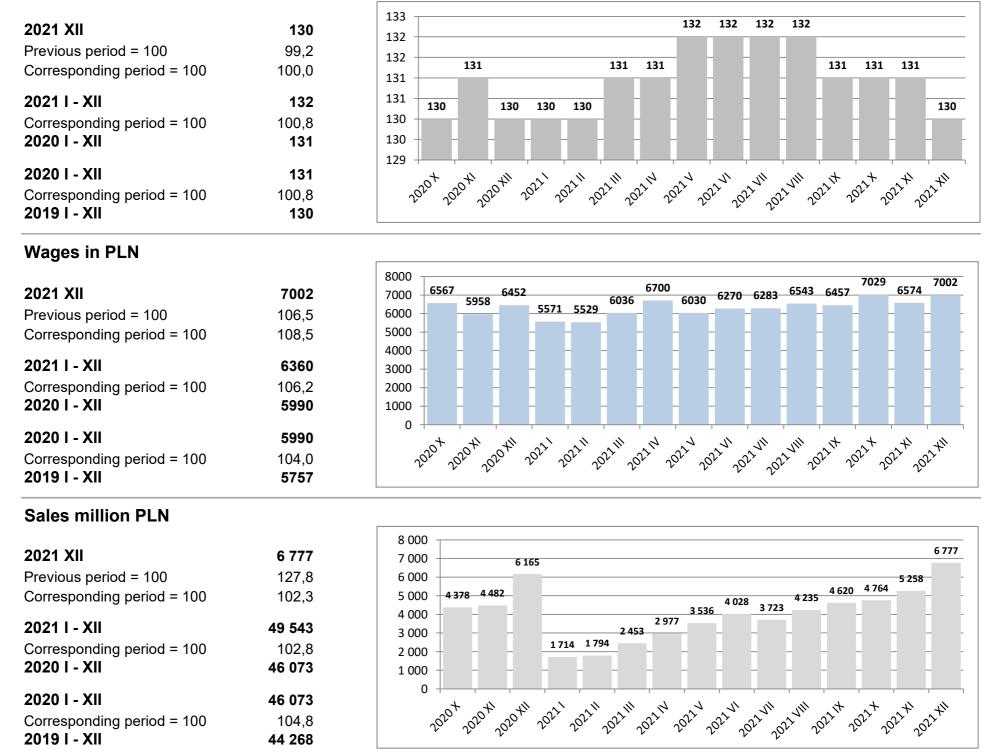


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



Civil engineering

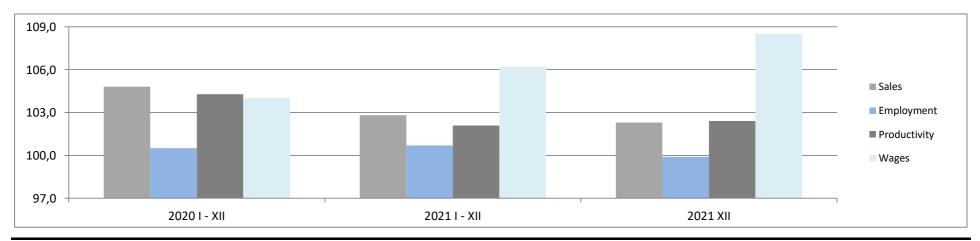
Employment in thous.



Compare key data

| - | - | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 44 268 | 46 073 | 46 073 | 49 543 | 6 777 |
| Sales per emp | ooyed thous. PLN | 341 | 352 | 352 | 375 | 52 |
| Employment | in thous. | 130 | 131 | 131 | 132 | 130 |
| Wages | in PLN | 5757 | 5990 | 5990 | 6360 | 7002 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 104,8 | | 102,8 | 102,3 |
| Employment | Corresponding period = 100 | | 100,5 | | 100,7 | 99,9 |
| Productivity | Corresponding period = 100 | | 104,3 | | 102,1 | 102,4 |
| Wages | Corresponding period = 100 | | 104,0 | | 106,2 | 108,5 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

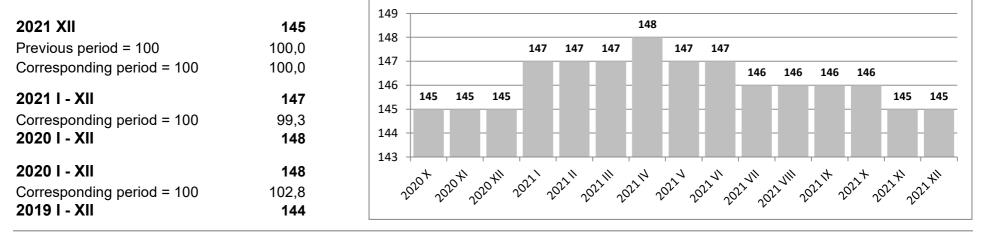


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



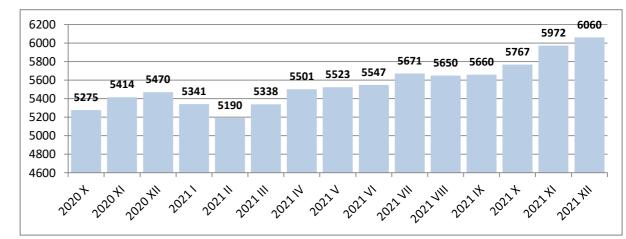
Specialised construction activities

Employment in thous.



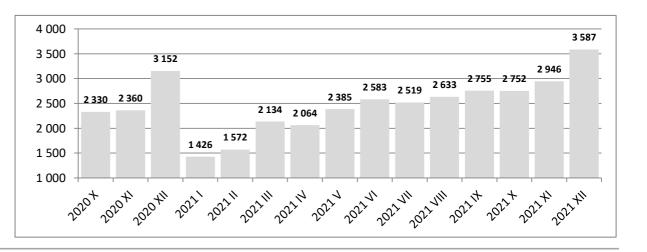
Wages in PLN

| 2021 XII | 6060 |
|---|----------------------|
| Previous period = 100 | 101,5 |
| Corresponding period = 100 2021 I - XII | 110,8 5698 |
| Corresponding period = 100 | 108,9 |
| 2020 I - XII | 5234 |
| 2020 I - XII | 5234 |
| Corresponding period = 100 | 103,7 |
| 2019 I - XII | 5048 |



Sales million PLN

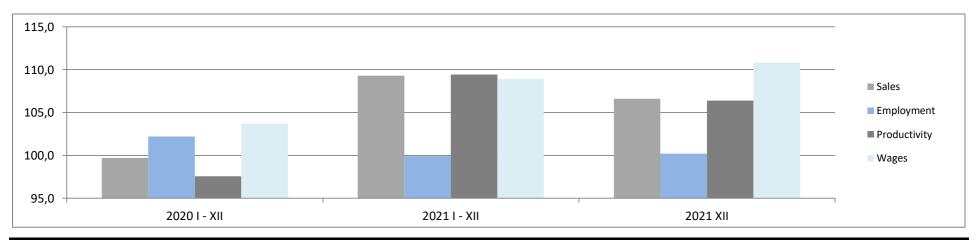
| 2021 XII | 3 587 |
|----------------------------|---------------|
| Previous period = 100 | 120,6 |
| Corresponding period = 100 | 106,6 |
| 2021 I - XII | 31 274 |
| Corresponding period = 100 | 109,3 |
| 2020 I - XII | 31 798 |
| 2020 I - XII | 31 798 |
| Corresponding period = 100 | 99,7 |
| 2019 I - XII | 32 036 |



Compare key data

| • | | 2019 I - XII | 2020 I - XII | 2020 I - XII | 2021 I - XII | 2021 XII |
|---------------|----------------------------|--------------|--------------|--------------|--------------|----------|
| Sales | million PLN | 32 036 | 31 798 | 31 798 | 31 274 | 3 587 |
| Sales per emp | ooyed thous. PLN | 222 | 215 | 215 | 213 | 25 |
| Employment | in thous. | 144 | 148 | 148 | 147 | 145 |
| Wages | in PLN | 5048 | 5234 | 5234 | 5698 | 6060 |
| | | | 2020 I - XII | | 2021 I - XII | 2021 XII |
| Sales | Corresponding period = 100 | | 99,7 | | 109,3 | 106,6 |
| Employment | Corresponding period = 100 | | 102,2 | | 99,9 | 100,2 |
| Productivity | Corresponding period = 100 | | 97,6 | | 109,4 | 106,4 |
| Wages | Corresponding period = 100 | | 103,7 | | 108,9 | 110,8 |

Comparison of sales, employment, productivity and wage dynamics for selected periods (corresponding = 100)

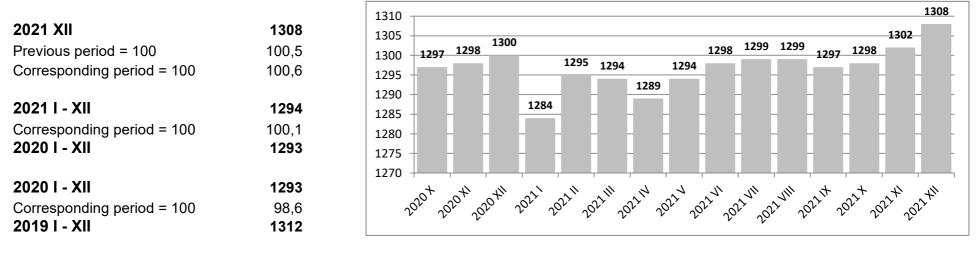


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



TRADE; REPAIR OF MOTOR VEHICLES

Employment in thous.



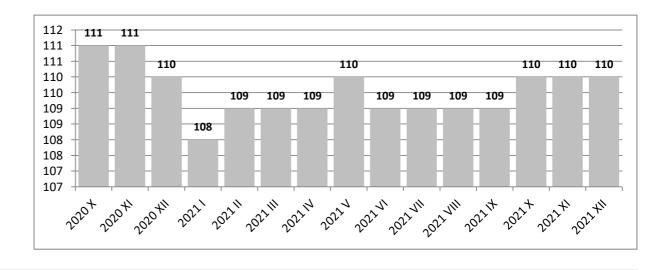
Wages in PLN

| 2021 XII Previous period = 100 Correspodning period = 100 | 6160 111,2 114,4 | 7000 6000 5062 5008 5000 4000 | | 9 5275 | 5717 | -5516 | 5339 | 5409 | 5538 | 5473 | | | 5538 | 6160 |
|--|-------------------------------------|---|-----------|----------|-----------------------|---------|---------------------|---------------------|-----------|-----------|---------|---------------------|--------|--------|
| 2021 I - XII Corresponding period = 100 2020 I - XII | 5530 109,3 5059 | 3000 2000 1000 | | | | | | | | | | | | |
| 2020 I - XII Corresponding period = 100 2019 I - XII | 5059 104,8 4826 | 0 2020 ⁺ 2020 ⁺ 25 | 2011 2021 | 20211125 | 22 ¹¹¹ 201 | 214 201 | 201 | 1 ²¹ 201 | 2 111 202 | 1 VIII 25 | 2274 25 | 922 ⁺ 26 | 227 20 | L2 XII |

Wholesale and ratail trade and repair of motor vehicles

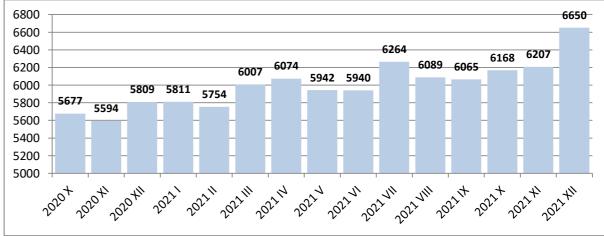
Employment in thous.

| 2021 XII | 110 |
|----------------------------|-------|
| Previous period = 100 | 100,0 |
| Corresponding period = 100 | 100,0 |
| 2021 I - XII | 109 |
| Corresponding period = 100 | 100,0 |
| 2020 I - XII | 109 |
| 2020 I - XII | 109 |
| Corresponding period = 100 | 98,2 |
| 2019 I - XII | 111 |



Wages in PLN

| | | 6800 · | 1 | | |
|----------------------------|-------|--------|------|--------------------|------|
| 2021 XII | 6650 | 6600 | | | |
| Previous period = 100 | 107,1 | 6400 | | | |
| Corresponding period = 100 | 114,5 | 6200 | | | |
| | | 6000 | | | 5809 |
| 2021 I - XII | 6188 | 5800 | 5677 | 5594 | |
| Corresponding period = 100 | 112,1 | 5600 | + | | - |
| 2020 I - XII | 5521 | 5400 | + · | - | - |
| 20201-21 | 5521 | 5200 | + | - | |
| | | 5000 | | 1 | |
| 2020 I - XII | 5521 | | ot | 20 ⁴ 20 | 4 |
| Corresponding period = 100 | 102,3 | า' | °' 2 | Sr 201 | 6 |
| 2019 I - XII | 5395 | | | | |
| | | | | | |



Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



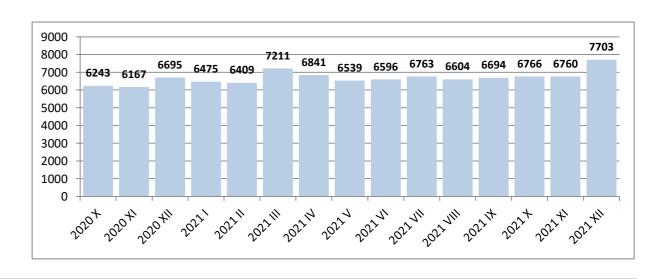
Wholesale trade

Employment in thous.

| 2021 XII Previous period = 100 Corresponding period = 100 | 511 100,4 101,2 | 512 511 511 509 509 508 508 508 |
|--|-----------------------------------|--|
| 2021 I - XII Corresponding period = 100 2020 I - XII | 508 101,0 503 | 507 506 506 505 505 505 504 - 503 - |
| 2020 I - XII Corresponding period = 100 2019 I - XII | 503 99,4 506 | $502 + 200^{+} 200^{+$ |

Wages in PLN

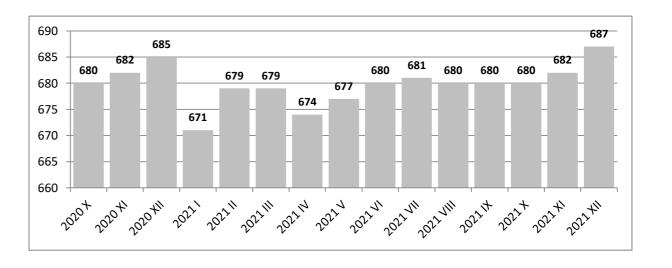
| 2021 XII | 7703 |
|----------------------------|-------------|
| Previous period = 100 | 113,9 |
| Correspodning period = 100 | 115,0 |
| 2021 I - XII | 6764 |
| Corresponding period = 100 | 108,9 |
| 2020 I - XII | 6213 |
| 2020 I - XII | 6213 |
| Corresponding period = 100 | 104,1 |
| 2019 I - XII | 5969 |



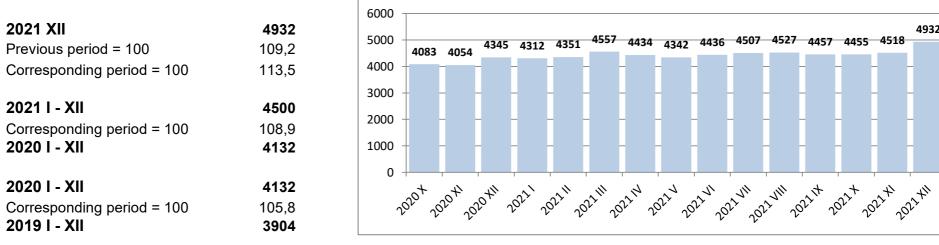
Retail trade

Employment in thous.

| 2021 XII | 687 |
|----------------------------|------------|
| Previous period = 100 | 100,7 |
| Corresponding period = 100 | 100,3 |
| 2021 I - XII | 678 |
| Corresponding period = 100 | 99,6 |
| 2020 I - XII | 681 |
| 2020 I - XII | 681 |
| Corresponding period = 100 | 97,8 |
| 2019 I - XII | 696 |



Wages in PLN



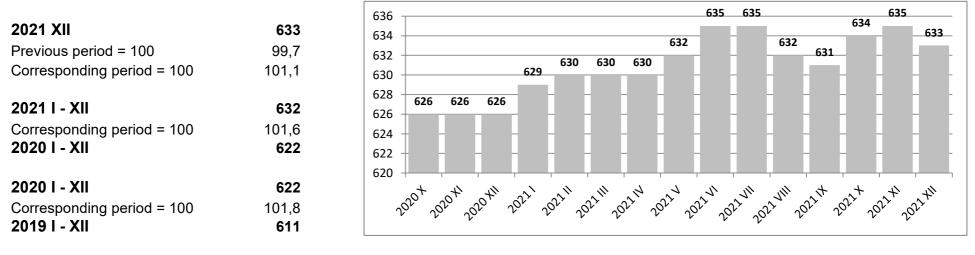
Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data

4932



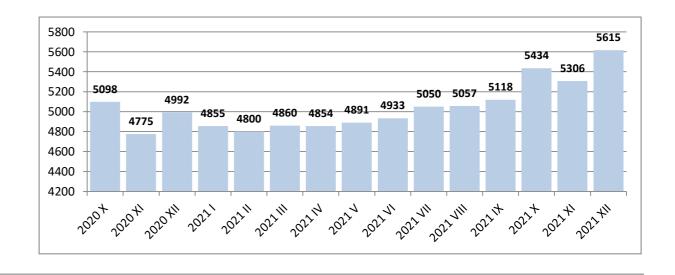
TRANSPORTATION AND STORAGE

Employment in thous.



Wages in PLN

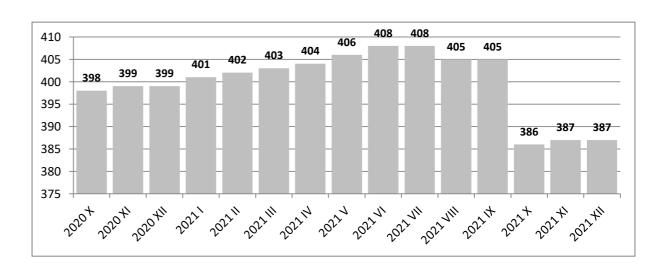
| 2021 XII | 5615 |
|----------------------------|-------------|
| Previous period = 100 | 105,8 |
| Correspodning period = 100 | 112,5 |
| 2021 I - XII | 5093 |
| Corresponding period = 100 | 107,3 |
| 2020 I - XII | 4747 |
| 2020 I - XII | 4747 |
| Corresponding period = 100 | 102,5 |
| 2019 I - XII | 4632 |



Land and pipeline transport

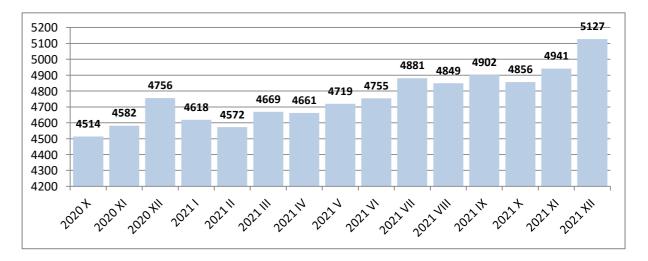
Employment in thous.

| 2021 XII | 387 |
|----------------------------|------------|
| Previous period = 100 | 100,0 |
| Corresponding period = 100 | 97,0 |
| 2021 I - XII | 385 |
| Corresponding period = 100 | 97,5 |
| 2020 I - XII | 395 |
| 2020 I - XII | 395 |
| Corresponding period = 100 | 102,6 |
| 2019 I - XII | 385 |



Wages in PLN

| 2021 XII | 5127 |
|----------------------------|-------------|
| Previous period = 100 | 103,8 |
| Corresponding period = 100 | 107,8 |
| 2021 I - XII | 4815 |
| Corresponding period = 100 | 107,0 |
| 2020 I - XII | 4500 |
| 2020 I - XII | 4500 |
| Corresponding period = 100 | 104,1 |
| 2019 I - XII | 4322 |



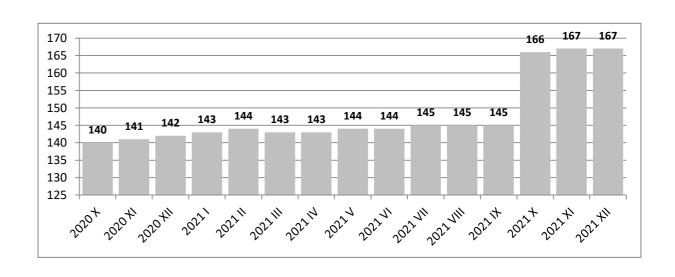
Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



Warehousing and support activities for transportation

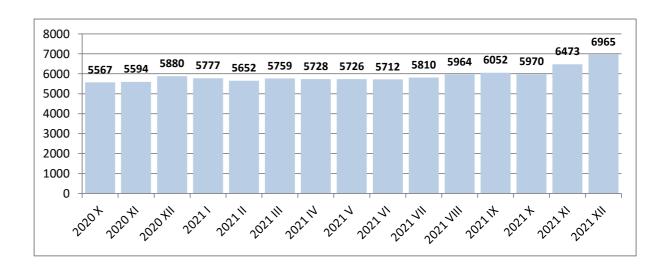
Employment in thous.

| 2021 XII | 167 |
|----------------------------|------------|
| Previous period = 100 | 100,0 |
| Corresponding period = 100 | 117,6 |
| 2021 I - XII | 165 |
| Corresponding period = 100 | 117,9 |
| 2020 I - XII | 140 |
| 2020 I - XII | 140 |
| Corresponding period = 100 | 102,2 |
| 2019 I - XII | 137 |



Wages in PLN

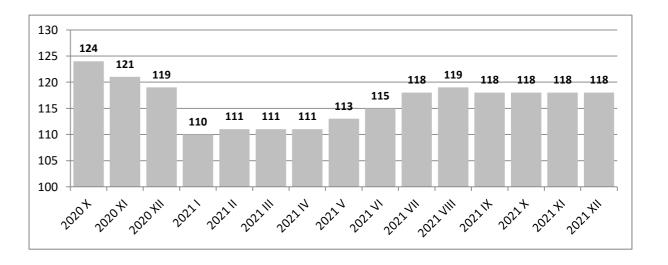
| 2021 XII | 6965 |
|----------------------------|-------------|
| Previous period = 100 | 107,6 |
| Correspodning period = 100 | 118,5 |
| 2021 I - XII | 5922 |
| Corresponding period = 100 | 106,9 |
| 2020 I - XII | 5541 |
| 2020 I - XII | 5541 |
| Corresponding period = 100 | 100,8 |
| 2019 I - XII | 5495 |



ACCOMODATION AND CATERING

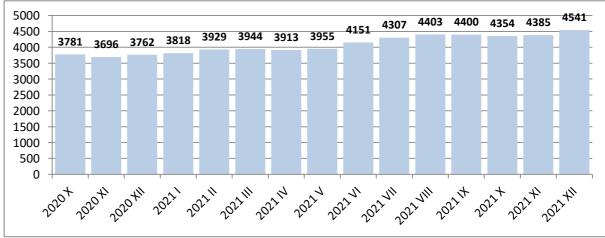
Employment in thous.

| 2021 XII | 118 |
|----------------------------|-------|
| Previous period = 100 | 100,0 |
| Corresponding period = 100 | 99,2 |
| 2021 I - XII | 114 |
| Corresponding period = 100 | 89,8 |
| 2020 I - XII | 127 |
| 2020 I - XII | 127 |
| Corresponding period = 100 | 97,7 |
| 2019 I - XII | 130 |
| | |



Wages in PLN

| | 5000 |
|---------------|--|
| 4541 | 4500 |
| 103,6 | 4000 3781 3696 3762 3818 3929 3500 |
| 120,7 | 3000 |
| 4236 | 2500 |
| 112,5 3766 | 1500 |
| 5700 | 500 |
| 3766 | |
| 100,5 | 2020+ 2020+ 2020+" 2021 2021" 2021" |
| 3/4/ | |
| | 103,6 120,7 4236 112,5 3766 3766 |

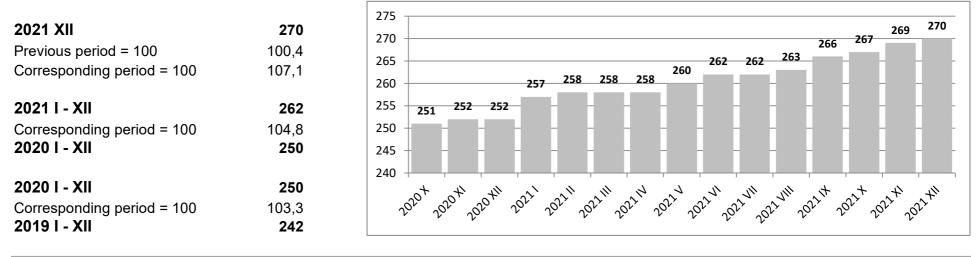


Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data



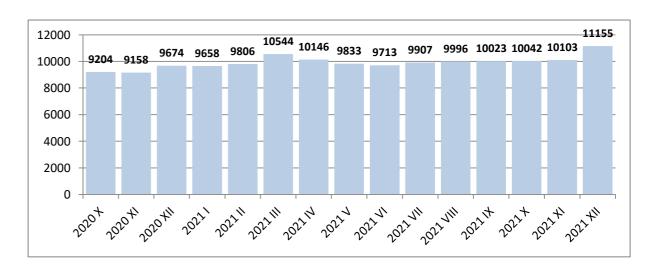
INFORMATION AND COMMUNICATION

Employment in thous.



Wages in PLN

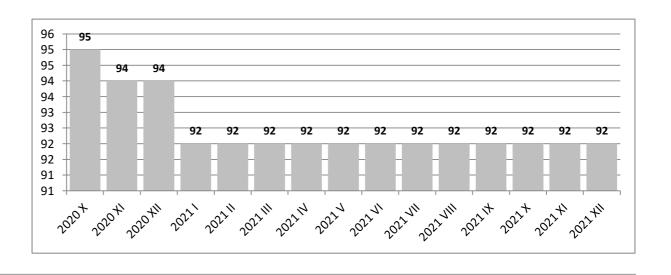
| 2021 XII | 11155 |
|----------------------------|--------------|
| Previous period = 100 | 110,4 |
| Correspodning period = 100 | 115,3 |
| 2021 I - XII | 10085 |
| Corresponding period = 100 | 109,0 |
| 2020 I - XII | 9254 |
| 2020 I - XII | 9254 |
| Corresponding period = 100 | 105,2 |
| 2019 I - XII | 8794 |



REAL ESTATE ACTIVITIES

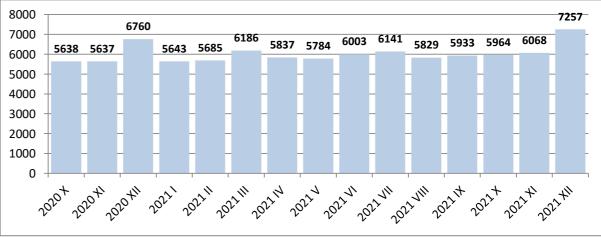
Employment in thous.

| 2021 XII | 92 |
|----------------------------|-------|
| Previous period = 100 | 100,0 |
| Corresponding period = 100 | 97,9 |
| 2021 I - XII | 92 |
| Corresponding period = 100 | 95,8 |
| 2020 I - XII | 96 |
| 2020 I - XII | 96 |
| Corresponding period = 100 | 100,0 |
| 2019 I - XII | 96 |
| | |



Wages in PLN

| | | 8000 |
|----------------------------|-------|----------|
| 2021 XII | 7257 | 7000 |
| Previous period = 100 | 119,6 | 6000 563 |
| Corresponding period = 100 | 107,4 | 5000 - |
| | | 4000 - |
| 2021 I - XII | 6051 | 3000 - |
| Corresponding period = 100 | 106,4 | 2000 - |
| 2020 I - XII | 5686 | 1000 - |
| | | 0 |
| 2020 I - XII | 5686 | + |
| Corresponding period = 100 | 106,1 | 2020+ |
| 2019 I - XII | 5361 | |
| | | |



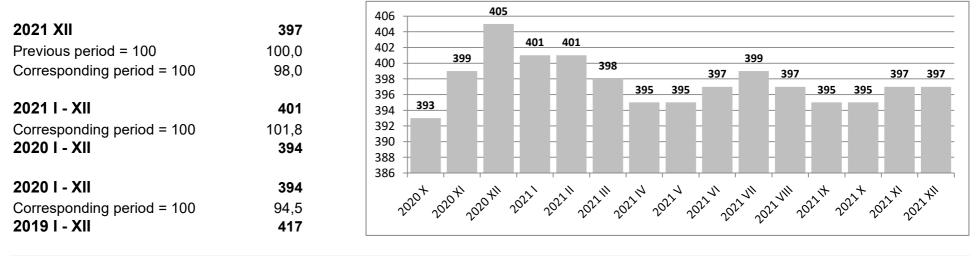
Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data





ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES

Employment in thous.



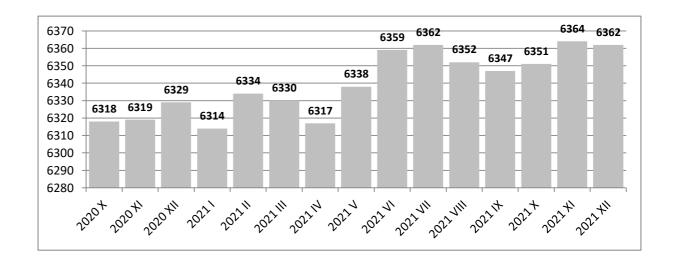
Wages in PLN

| 2021 XII Previous period = 100 Correspodning period = 100 | 4799 106,1 111,7 | 5000 4799 4800 4515 4600 4515 4496 4511 4515 4496 4400 4295 |
|--|-------------------------------------|--|
| 2021 I - XII Corresponding period = 100 2020 I - XII | 4499 109,8 4096 | 4200 - 4102-4090- < |
| 2020 I - XII Corresponding period = 100 2019 I - XII | 4096 108,3 3783 | $\frac{3600}{2020^{+}2020^{+}2020^{+}2021$ |

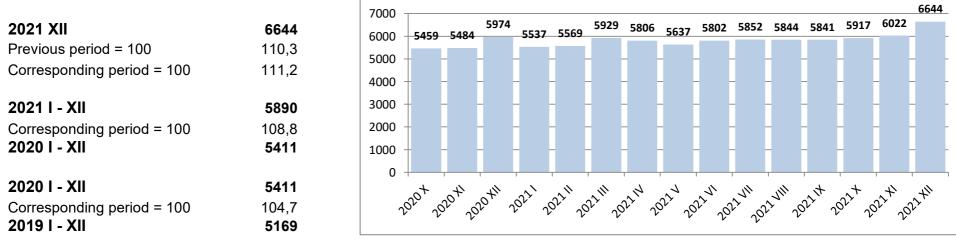
ENTERPRISE SECTOR - Grand total

Employment in thous.

| 2021 XII | 6362 |
|----------------------------|-------------|
| Previous period = 100 | 100,0 |
| Corresponding period = 100 | 100,5 |
| 2021 I - XII | 6346 |
| Corresponding period = 100 | 100,3 |
| 2020 I - XII | 6326 |
| 2020 I - XII | 6326 |
| Corresponding period = 100 | 98,9 |
| 2019 I - XII | 6395 |



Wages in PLN



Data: Statistics Poland and Polish Chamber of Commerce calculations based on Statistics Poland data