

Polish Foundrymen's Association presents
information about
economic and foundry industry in Poland
2009 - 2010

MAIN MACROECONOMIC INDICATORS IN POLAND

(source: the Ministry of Economy)

Specification	Unit	2009	I-XI 2010
GDP	%	101,72	103,44
Prices			
Year-on – year price index of consumer goods and services (CPI)	%	103,5	102,5
Year-on –year price index of sold production of industry (PPI)	%	103,4	101,2
Production			
Sold production of industry	%	96,5	110,7
Construction and assembly production	%	102,5	98,5
Wages and salaries			
Average wages and salaries in the national economy	PLN	3103	3376*
Labour market			
Average employment in enterprise sector	thous. per	5327	5340
Unemployment rate	%	12,1	11,5
Budget execution	bn PLN	-27,2	-52,2
Rate of inflation	%	3,5	2,5**

* for section of companies, ** 1-IX 2010

Currency	Average rate of exchange (PLN)	
	28.12.2009	27.12.2010
Euro (EUR)	4,1606	3,9763
Dollar (USD)	2,8910	3,0215
Swiss Franc (CHF)	2,7931	3,1393

EXAMINED PRODUCTION OF CASTINGS MADE IN S.G. IRON AND NON-FERROUS METALS IN THE YEAR 2009 AND CHANGES IN COMPARISON WITH THE YEAR 2008

(on the basis of questionnaire sending from polish foundries to the Foundry Institute in Cracow)

Material	Production in tons		Changes (%)
	2008	2009	2009/2008
Casting in grey cast iron and alloy cast iron	490000	387000	-21,0
Castings in S.G. iron	148400	118000	-20,5
Castings in malleable cast iron	12400	14400	16,1
Steel castings	68200	58600	-14,1
Together castings in ferrous alloys	719000	578000	-19,6
Castings in aluminium alloys	217000	206500	-4,8
Castings in Cu alloys	8000	6900	-13,8
Castings in Zn alloys	13000	12000	-7,7
Castings in other non-ferrous metals	4000	3600	10,0
Together castings in other non-ferrous metals	242000	229000	-5,4
Together castings in ferrous and non-ferrous metals	961000	807000	-16

Information about Polish foundries in 2009:

▪ *Employment*

Employed persons	Amount of foundries	Together employed persons
under 50	286	3050
51-100	39	3100
101-250	40	6100
250-1000	24	10600
over 1000	1	1050
Total	390	23900

▪ *Average prices (April 2010)*

Pig Iron	1760 PLN/ton
Scrap metal	1100 PLN/ton

▪ *Productivity*

- 33,8 ton/employee in 2009,

- ***Export of castings***
 - Casting in gray cast iron and alloy cast iron - 151 thous. ton (39% of production),
 - Casting in S.G. iron – 71 thous. ton (60,2% of production),
 - Casting in malleable cast iron – 1800 ton (12,5% of production),
 - Steel castings – 11,2 thous. ton (19,1% of production)
 - Castings in other non-ferrous metals – 180 thous. ton (78,6% of production)
 - Total export – 415 thous. ton

- ***Form of ownership (structure of property) data from 223 foundries***
 - 100% national capital - 81%
 - mixed capital – 6 %
 - 100% foreign capital 13%

- ***Form of organization – data from 355 foundries***
 - independent foundries – 62,3%
 - foundry departments – 37,7%

- ***Status of company***
 - limited liability companies (Ltd) – 9,4%
 - join stock companies – 18,1%
 - civil companies – 11,8%
 - private enterprises 16,9%
 - state-owned enterprises – 6,3%
 - foreign enterprises – 0,5%
 - general partnership – 3,5%
 - cooperatives – 2,5%

Information about Association activity.

Activities of Polish Foundrymen's Association in 2008:

- 1st International Science Conference „Innovation of pressure foundry” in Wisła (8-9 May 2008);
- Forum of Presidents and Managers in Wisła (13-15 October 2008)
- 45th Great Poland Foundrymen's Conference in Drawski Młyn (12 September 2008)
- Competition – Cast 2007
- Competition of President of Polish Foundrymen's Association pt. „Modernity foundry technology – basis of industry development”
- Polish Foundrymen;s Day 2008 in Cracow (12 December 2008)
- Thematic Park „Foundry” organised during Poznan International Fair -ITM Poland (group exposition of Polish casts)
- Information stand on International Fair of Technologies for Foundry METAL
- Continuation Project: „ Technology Foresight of Polish”,
- Innovation Centre NOT –, support for small land medium companies through promotion of innovation activities, organization trainings,
- Activities in KIGNET – competitiveness support system of Polish companies

Vocational training of adults working in foundries

Polish Foundrymen's Association organises vocational training for employees in Polish foundries. The training are led by qualified lecturers, specialists, scientists and experienced people. The Association added a new die casting training in 2007.

We offer many vocational training which concern foundry's problems for example:

- Exploitation and service of electric arc and inductive furnace
- Problems of technology of production moulds and sandy cores
- Preparation liquid steel for castings
- Process of spheroidal iron
- Cleaning and finishing castings
- Waste economy
- Defects of castings - identification, causes and methods of prevention
- System of Environmental Management in Foundry
- Chemical analysis
- Mechanical Research
- Non-destructive research
- >Evaluation of effects of environmental activity
- Statistical process control
- Management system of industrial safety
- Analysis FMEA
- Introduction to ISO/TS 16949
- APQP - advanced planning of quality of process
- PPAP- process of authorising part of production/p>
- Methods of solving problems and reporting disagreement 68D
- Selected problems of die casting technology
- Basic types of molding and classification casting materials
- Service of inductive crucible furnace
- Industrial safety
- Evaluation of occupational risk for casting workstand

Every participant get a Certification of Polish's Foundry's Association.

In 2008 The Association engaged three trainings for Teksid Iron Poland and trained 42 people.

Calendar of events

Information about interesting events in our branch in Poland are collected and published in Przegląd Odlewnictwa and on our web site (www.przegląd-odlewnictwa.pl).

National foundry events in 2009:

1-3.06.2009	International Scientific Conference pt.: Optimisation of production system in foundries	Łódź (Poland)
4-6.06.2009	12th International Conference Nonferrous Metals Foundry, Science - Technology	Iwonicz-Zdrój (Poland)
16-19.06.2009	Poznan International Fair -ITM Poland- 2009	Poznań (Poland)
1-4.09.2009	Silesia Mining Expo SILMEX 20	Katowice (Poland)
29.09-1.10.2009	15th International Fair of Technologies for Foundry METAL	Kielce (Poland)
11.12.2009	Polish Foundrymen's Day'2009	Kraków (Poland)

The Association is a publisher of “Foundry Review – science and Practice” (“Przegląd Odlewnictwa”). It is a journal about Polish Foundry (articles, events, information).