

2017–2018 Minerals Yearbook

CROATIA

THE MINERAL INDUSTRY OF CROATIA

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In 2017 and 2018, the production of mineral commodities—notably aluminum products, ammonia, cement, clay, gypsum (including anhydrite), lime, natural gas, crude petroleum, refined petroleum products, salt, sand and gravel, steel, stone, and sulfur—represented only a minor part of the economy of Croatia (Croatian Bureau of Statistics, 2019, p. 21–23, 99; Eurostat, 2019). The legislative framework for the mineral sector in Croatia is provided by the Mining Act (Official Gazette No. 56/13, 14/14) and the Hydrocarbon Exploration and Exploitation Act (Official Gazette No. 28/13, 14/14). Data on mineral production are in table 1. Table 2 is a list of major mineral industry facilities. More-extensive coverage of the mineral industry of Croatia can be found in previous editions

of the U.S. Geological Survey Minerals Yearbook, volume III, Area Reports—International—Europe and Central Eurasia, which are available at <https://www.usgs.gov/centers/nmic/europe-and-central-eurasia>.

References Cited

- Croatian Bureau of Statistics, 2019, Industrial production in 2017—Annual PRODCOM results: Zagreb, Croatia, Croatian Bureau of Statistics, 217 p. (Accessed October 29, 2019, at https://www.dzs.hr/Hrv_Eng/publication/2018/SI-1612.pdf.)
- Eurostat, 2019, Total production by PRODCOM list (NACE Rev. 2)—Annual data: Brussels, Belgium, Eurostat database, July 31. (Accessed October 29, 2019, at <https://ec.europa.eu/eurostat/data/database>.)

TABLE 1
CROATIA: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity	2014	2015	2016	2017	2018
METALS					
Aluminum, products:					
Alloys	30,083	6,713	1,847 ^r	2,930 ^e	3,600 ^e
Semimanufactured:					
Extruded	6,458	3,808	-- ^r	1,309	1,310 ^e
Rolled	195,000 ^e	128,000 ^e	2,270 ^e	72,759	26,675
Iron and steel, steel:					
Raw steel, from electric arc furnaces	167,000	122,000	--	--	--
Products, semimanufactured	148,890 ^r	121,533 ^r	-- ^r	--	788
INDUSTRIAL MINERALS					
Cement:					
Clinker thousand metric tons	2,312	2,159	2,058	2,416	2,317
Hydraulic:					
Portland do.	2,359	2,340	2,267 ^r	2,608	2,600 ^e
Other do.	112	119	120 ^e	111	130 ^e
Clay, ceramic	32,751	--	--	-- ^e	--
Gypsum, mine, including anhydrite	120,055	138,088	170,107	200,932	166,783
Lime thousand metric tons	205	186	165	121	116 ^e
Nitrogen, ammonia, N content do.	376	375	347	384	384 ^e
Salt, all sources	33,039	51,877	39,836	52,938	50,800
Stone, sand and gravel, construction:					
Sand and gravel, unspecified, excluding glass sand thousand metric tons	3,497	3,545	3,444	3,087	3,100 ^e
Stone:					
Crushed:					
Quartzite	127,276	195,066	176,391	141,208	141,000 ^e
Other, unspecified thousand metric tons	12,989	13,141	12,652	12,445	12,400 ^e
Dimension, unspecified, ornamental and other	1,115,535	1,417,694	1,378,882	1,320,579	1,300,000 ^e
Sulfur, byproduct, petroleum, S content	19,384	17,540	21,690	24,168	23,406
MINERAL FUELS AND RELATED MATERIALS					
Natural gas million cubic meters	1,804	1,828	1,690	1,775	1,560
Petroleum:					
Crude, including condensate thousand 42-gallon barrels	3,971	4,549	5,020	5,120	4,355
Refinery:					
Distillate fuel oil do.	7,665	8,430	9,660	10,143	10,489
Gasoline, motor do.	7,029	8,069	8,436	9,027	8,351
Jet fuel do.	849	833	888	1,057	1,805
Liquefied petroleum gas do.	2,204	2,436	2,448	2,815	2,494
Residual fuel oil do.	2,384	2,591	3,330	3,397	5,257
Total do.	20,100	22,400	24,800	26,400	28,400

^eEstimated. ^rRevised. do. Ditto. -- Zero.

¹Table includes data available through October 8, 2019. All data are reported unless otherwise noted. Totals and estimated data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 2
CROATIA: STRUCTURE OF THE MINERAL INDUSTRY IN 2018

(Thousand metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity
Aluminum alloys and semimanufactures		Impol-TLM d.o.o. (Impol 2000 d.d., 100%)	Hot-rolling mill at Sibenik	30 ^c
Do.		Ivanal d.o.o.	Sibenik	3
Do.		TLM-TPP d.o.o. (private investor, 75%)	Extruded products plant at Sibenik	10 ¹
Do.		Top-Tvornica Olovni Proizvoda Aluminijskih d.d.	Sveta Nedelja	NA ²
Cement		Calucem d.o.o. (CALUCEM Group)	Plant at Pula	NA
Do.		Cemex Hrvatska d.d. (Cemex UK Ltd., 100%)	Plants at Sveti Juraj, Sveti Kajo, and Kolovoz	2,600
Do.		Holcim (Hrvatska) d.o.o. (LafargeHolcim Ltd., 100%)	Plant at Koromacnoa	1,000
Do.		Nasicecement d.d. (Nexe Grupa d.d.)	Nasice	1,100
Do.		Tvornica Cementa Umag d.o.o. (Istramineral Umag d.o.o., 100%)	Cement plant at Umag	350
Gypsum		NA	Brescici Mine near Kulen-Vakuf	NA
Natural gas	million cubic meters	INA-Industrija Nafta d.d. (MOL Group, 49.08%; Government, 44.84%; others, 6.08%)	Natural gas fields at Ika JZ, Izabela, Molve; offshore platforms in the Adriatic Sea; and other locations	2,000 ^c
Do.	do.	do.	Natural gas fields at Vuckovec, Zebanec, Medimurje Company	NA
Nitrogen:				
Ammonia		Petrokemija d.d. (Terra Mineralna Gnojiva d.o.o., 54.52%; Centar za restrukturiranje i prodaju (CERP), 17.9%; Hrvatska Postanska Banka d.d., 12.73%; others, 14.8%)	Plant at Kutina	450
Calcium ammonium nitrate		do.	do.	400
Nitric acid		do.	do.	415
NPK ³ fertilizer		do.	do.	600
Urea		do.	do.	500
Petroleum:				
Crude	thousand 42-gallon barrels per day	INA-Industrija Nafta d.d. (MOL Group, 49.08%; Government, 44.84%; others, 6.08%)	Oilfields at Kalinovac, Sandrovac, Struzec, Zutica, and other locations	33 ^c
Refined	do.	do.	Refinery at Rijeka (Urinj)	90
Do.	do.	do.	Refinery at Sisak	44
Raw steel		Acciarierie Bertoli Safau Sisak d.o.o. (Danieli Group, 100%)	Plant at Sisak	324
Do.		Adria Steel d.o.o. (Techcom GmbH, 100%)	Plant at Split	50 ²
Salt		Solana Pag d.d. (Agrokor d.d., 100%)	Pag Island (marine salt)	15
Do.		Small producers	Ston, Nin	10 ^c

^cEstimated. Do., do. Ditto. NA Not available.

¹TLM-TPP d.o.o. filed for bankruptcy in 2017 and suspended operations at the plant at Sibenik.

²Production suspended in 2017 owing to market conditions.

³Nitrogen, phosphorus, and potassium.