

# **PRIMETALS TECHNOLOGIES**

PIONEERING INNOVATIVE SOLUTIONS  
FOR THE GLOBAL METALS INDUSTRY

REGIONAL INFORMATION - CZECH REPUBLIC



# INTRODUCTION

## MAKING METALS MORE COMPETITIVE BASED ON YEARS OF EXPERIENCE

### GLOBAL AUTHORITY IN METALS EXCELLENCE

Primetals Technologies was formed by uniting two global leaders in the metals industry, Siemens VAI Metals Technologies and Mitsubishi-Hitachi Metals Machinery, to create a major force on the world market with a wealth of expertise and resources. As such Primetals Technologies is able to leverage more than 60 years of metallurgical, engineering, and plant-building experience. The company places a premium on R&D and encourages a culture that is innovation-led. Extensive in-house manufacturing expertise and a strong sales structure makes Primetals Technologies a world-class solution provider for modern metallurgy.

### WHAT MAKES US COMPETITIVE

- Comprehensive technology and product portfolio
- Engineering excellence
- Wealth of experience
- In-house manufacturing
- Global company network
- Strong financial position
- Proven track record
- Culture of innovation



---

# COMPETENCIES AND PORTFOLIO

## A FULL-LINE SUPPLIER TO THE METALS INDUSTRY

### THE WORLD OF PRIMETALS TECHNOLOGIES

Primetals Technologies Limited, headquartered in London, is a world leader in engineering, the production of manufacturing equipment for entire plants, and maintenance services in the metals industry. The company offers the full range of technologies and its portfolio of products and services encompasses integrated automation systems, electrical equipment, and ecological solutions. Furthermore latest solution for digitalization, through-process optimization and e-Business are offered. All phases of the production cycle of ironmaking, steelmaking, casting, rolling and processing—from the preparation of raw materials through to end products—are covered, both for ferrous and non-ferrous metals.

Primetals Technologies Ltd. is a 100% group company of Mitsubishi Heavy Industries (MHI). The total number of employees in this group company worldwide is around 7,000.

### BUSINESS SEGMENTS

Primetals Technologies is a full-line supplier across the entire value chain of the metallurgical process, from raw materials to the finished products. Its organization is divided into the following specialized segments:

- Iron and Steel Making & ECO Solutions
- Mini Mills & Long Rolling
- Casting & ESP
- Hot Mills
- Cold Mills, Processing Lines and Pipe Mills
- Metallurgical Services
- Electrics & Automation

### COMPETENCIES AND PORTFOLIO

The competencies of Primetals Technologies cover the entire portfolio of the metals industry in the following areas:

#### Ironmaking

Sinter technologies, blast furnaces, direct reduction, ecology solutions

#### Steelmaking and long rolling

Oxygen converter technologies, electric arc furnaces, long rolling mills, ecology solutions

#### Casting and endless strip production

Continuous casting machines, endless strip production, mechatronics

#### Hot rolling

Hot strip mills, plate and aluminum mills

#### Cold rolling

Cold rolling mills for steel and aluminum, furnace technologies, processing lines

#### Metallurgical services

Production of core components, spare parts deliveries, condition monitoring, online/off-line maintenance, consulting and training

#### Electrical and Automation Systems

Process automation systems, drive systems, power supply, sensor systems, condition monitoring, service

### CENTERS OF COMPETENCE

The realization of projects within particular segments is carried out by the following globally located Centers of Competence:

- Austria           Linz
- Japan             Hiroshima, Tokyo
- U.K.               Sheffield, Stockton
- Germany          Erlangen, Legelshurst
- U.S.A.             Pittsburgh, Sutton, Alpharetta

# MANAGEMENT

## REGIONAL ROLE OF PRIMETALS TECHNOLOGIES CZECH REPUBLIC WITHIN THE GLOBAL ORGANIZATION

### REGIONAL ENTITIES

Primetals Technologies has regional entities registered in more than 34 countries worldwide. Their role is to be the first point of contact to customers in their respective countries, to understand customers' needs and requirements, and to pass this information to the business segments and appropriate centers of competence. Once this information has been evaluated, the regional entities can implement projects locally or can contribute to larger-scale projects in collaboration with the corresponding center of competence.

**Primetals Technologies Czech Republic** is the regional entity responsible for customers in the Czech Republic and Slovakia. Over the years it has realized dozens of major projects in collaboration with most of the centers of competence. Each year there are also hundreds of smaller orders that are realized directly for Czech and Slovak customers. The unique role of Primetals Technologies Czech Republic within the global organization of Primetals Technologies is also to bring a high standard of engineering expertise to global projects anywhere in the world where business segments or centers of competence require such a service. The Engineering Center encompasses specialists in design work across all fields of mechanical engineering, steel structures, fluid and utilities, and software programming.

### ABOUT PRIMETALS TECHNOLOGIES CZECH REPUBLIC

The metals markets in the Czech Republic and Slovakia are served by Primetals Technologies Czech Republic as a 100% regional company of parent company Primetals Technologies Ltd. It has four regional offices located in Ostrava, Prague, Žďár n.S., and Košice. The company operates as one of the engineering centers for global projects within the world of Primetals Technologies, but also handles several projects for the Czech and Slovak metals industry directly. Good knowledge of local manufacturers secure the production of selected equipment in Czech and Slovak Republic, for shipment to global places Primetals Technologies realizes projects.

Primetals Technologies has around 150 employees in the Czech Republic and Slovakia whose expertise covers all segments of the steel and non-ferrous industries. This includes specialists in mechanical engineering, steel structures, fluid and utilities systems, electrical equipment, automation systems, and services. Global located centers of competence with a tremendous background in metals production support the offices in the Czech Republic and Slovakia in doing their work.



# PEOPLE

## THE MOST VALUABLE ASSET OF ANY ENGINEERING COMPANY

### ENGINEERING POTENTIAL IN THE CZECH REPUBLIC

The Czech Republic has a rich tradition of engineering dating back to long before World War I, and thanks to a number of internationally renowned technical universities as well as a demand for mining resources and metals technologies, one of the biggest European pools of metallurgical engineers has been generated. Many of the specialists now at Primetals Technologies Czech Republic were recruited from this pool in the 1990s, and their skills and expertise cover the following areas:

#### Mechanical engineering

rolling mills, processing lines, material handling systems, ironmaking and steelmaking devices, auxiliary systems and environmental technologies, FEM calculation

#### Fluids and utilities systems

machine attached piping, interconnecting piping, bay piping, media handling systems

#### Steel structures

steel buildings, technology and maintenance platforms, machine support steel structures for bunkers, conveyors and other iron and steelmaking equipment, piping and technological bridges, static calculation

#### Automation systems and electrical equipment

PLC automation systems, HMI, drive systems and motors, power supply equipment, sensor systems, HW and SW engineering

#### Service and maintenance

guarantee and after-sales service, spare parts business, condition monitoring, consulting



### CONFORMITY WITH ISO STANDARDS

**Certificate** 

*With annex*  
Systémové certifikace s.r.o., an accredited management systems certification body, No. 3209 of ČSN EN ISO/IEC 17021-1:2016, confirms that the company

**PRIMETALS**  
TECHNOLOGIES

**Primetals Technologies Czech Republic s.r.o.**  
28. října 2663/150, Moravská Ostrava, 702 00 Ostrava  
company ID: 032 90 841

was checked and met the requirements for a quality control management system according to

**ISO 9001:2015**  
for these fields:

**Commercial activities, comprehensive supplies and service of industrial technological entities including electrical and electronic facilities Design engineering and programming services Purchasing**

Registration certificate number: 690/2022/SC/Q  
Validity of the certification: 12. 9. 2022 – 11. 9. 2025  
Date of issue of the certificate: 12. 9. 2022

   Jana Čížková  
Head of the certification body

Systémové certifikace s.r.o., Lipová 433, Švihov, 721 00 Ostrava  
tel.: +420 722 231 115, e-mail: info@systemovecertifikace.cz, www.systemovecertifikace.cz

**Certificate** 

*With annex*  
Systémové certifikace s.r.o., an accredited management systems certification body, No. 3209 of ČSN EN ISO/IEC 17021-1:2016, confirms that the company

**PRIMETALS**  
TECHNOLOGIES



**Primetals Technologies Czech Republic s.r.o.**  
28. října 2663/150, Moravská Ostrava, 702 00 Ostrava  
company ID: 032 90 841

was checked and met the requirements for an environmental management system according to

**ISO 14001:2015**  
for these fields:

**Commercial activities, comprehensive supplies and service of industrial technological entities including electrical and electronic facilities Design engineering and programming services Purchasing**

Registration certificate number: 690/2022/SC/E  
Validity of the certification: 12. 9. 2022 – 11. 9. 2025  
Date of issue of the certificate: 12. 9. 2022

   Jana Čížková  
Head of the certification body

Systémové certifikace s.r.o., Lipová 433, Švihov, 721 00 Ostrava  
tel.: +420 722 231 115, e-mail: info@systemovecertifikace.cz, www.systemovecertifikace.cz

**Certificate** 

*With annex*  
Systémové certifikace s.r.o., an accredited management systems certification body, No. 3209 of ČSN EN ISO/IEC 17021-1:2016, confirms that the company

**PRIMETALS**  
TECHNOLOGIES

**Primetals Technologies Czech Republic s.r.o.**  
28. října 2663/150, Moravská Ostrava, 702 00 Ostrava  
company ID: 032 90 841

was checked and met the requirements for an occupational health and safety management system according to

**ISO 45001:2018**  
for these fields:

**Commercial activities, comprehensive supplies and service of industrial technological entities including electrical and electronic facilities Design engineering and programming services Purchasing**

Registration certificate number: 690/2022/SC/B  
Validity of the certification: 12. 9. 2022 – 11. 9. 2025  
Date of issue of the certificate: 12. 9. 2022

   Jana Čížková  
Head of the certification body

Systémové certifikace s.r.o., Lipová 433, Švihov, 721 00 Ostrava  
tel.: +420 722 231 115, e-mail: info@systemovecertifikace.cz, www.systemovecertifikace.cz

# REFERENCES

## SELECTED PROJECTS REALIZED IN THE CZECH REPUBLIC AND SLOVAKIA IN THE LAST 5 YEARS



**2019**

### Special profile mill

**Customer:**

VÚHŽ Dobrá  
Czech Republic

Modernization of the existing profile mill with the aim to enable rolling of bigger billets (150x150), to increase production capacity up to 12kt/year and to extend the assortment of produced profiles.

**Scope of the project:**

- Sliding rolling stand
- Manipulators
- Motors and drives
- Process automation system
- Mechanical and technological infrastructure around the mill



**2019**

### Scale breaker

**Customer:**

US Steel, Košice  
Slovakia

Replacement of the existing scale breaker by a new one at the pickling line No. 1 with the aim to increase the surface quality and to eliminate the internal material tension of the processed coils.

**Scope of the project:**

- Entry Bridle Units (bridle & snubber rolls)
- Scale Breaker Unit
- Exit Bridle Units (bridle & snubber rolls)
- Hydraulic & pneumatic systems
- Motors and drives
- Automation systems



**2020**

### Ladle furnace 11 t

**Customer:**

Třinecké železářny, Třinec  
Czech Republic

Modernization of the existing ladle furnace with the aim to enable melting and melt refining in one dish between the melting and vacuum devices.

**Scope of the project:**

- Power supply transformer 2,5 MVA
- Current interconnection of electrodes
- Water cooled furnace cap
- Hydraulics and dedusting
- Alloy addition system
- Automation and utility systems
- Mechanical and technological infrastructure around the furnace

# REFERENCES

## SELECTED EXAMPLES OF PROJECTS REALIZED IN THE PAST YEARS BY CZECH ENGINEERING CENTER



### IRON- AND STEELMAKING

Examples of detail engineering supplies to the following customers:

- SALZGITTER, EAF, 2023
- JSL, BOF, 2023
- APERAM GENK, AOD, 2022
- MGOK, DRC, 2022
- AHMSA, LD Converter, 2021
- USA Burns Harbor, BOF, 2021
- ATI Latrobe, EAF, 2020
- AZOVSTAL, LD Converter, 2020



### CONTINUOUS CASTING, ROLLING & PROCESSING

Examples of detail engineering supplies to the following customers:

- NUCOR DECATUR, HSM, 2023
- MISCO, ESP, 2023
- VOESTALPINE, BETA3, 2022
- THYSENKRUPP, CR, 2022
- THYSENKRUPP, HR, 2022
- BALUCHESTAN, ESP, 2021
- TAIHANG, ESP L2, 2021
- USS, ESP, 2020
- Rizhao WI5, 2019
- USS Gary, 2019



### ELECTRIC AND AUTOMATION

Examples of detail engineering supplies to the following customers:

- MISCO, ESP, 2023
- APERAM GENK, AOD, 2022
- STEELANOL AM GENT, 2022
- TPQC, 2022
- HBIS HANDAN, LD, 2021
- BGH FREITAL, AOD, 2019
- TERNIUM. LTC/SPTC, 2019

### ENVIRONMENT

Examples of detail engineering supplies to the following customers:

- VASL, ESP Filter, 2023
- SALZGITTER, MH DED, 2023
- APERAM GENK, MHS DED, 2022
- TARANTO, ECO, 2022
- AZOVSTAL, Electro-filter, 2020
- AMIT, 1,3, 2020
- BGH-Freital, 2019

**Primetals Technologies Czech Republic s.r.o.**

A Group Company of Mitsubishi Heavy Industries

28. října 2663/150  
702 00 Ostrava  
Czech Republic

Phone: +420 597 400 660

Email: [info.cz@primetals.com](mailto:info.cz@primetals.com)

**[primetals.com](https://www.primetals.com)**

Brochure No.: T12-O-N681-L9-G-V4-EN

Printed in Austria

© 2023 Primetals Technologies Ltd. All rights reserved

The information (including, e.g., figures and numbers) provided in this document contains merely general descriptions or characteristics of performance based on estimates and assumptions which have not been verified. These estimates and assumptions have to be analyzed on a case-to-case basis and might change as a result of further product development.

It is no representation, does not constitute and/or evidence a contract or an offer to enter into a contract to any extent and is not binding upon the parties. Any obligation to provide and/or demonstrate respective characteristics shall only exist if expressly agreed in the terms of the contract.

Primetals Technologies excludes any liability whatsoever under or in connection with any provided information, estimates and assumptions. The provided information estimates and assumptions shall be without prejudice to any possible future offer and/or contract.

Any information provided by Primetals Technologies to the recipient shall be subject to applicable confidentiality obligations and shall be used by the recipient at their own convenience and at their sole risk.

Primetals is a trademark of Primetals Technologies Ltd.