

**Rockwell
Automation**

**Machine Builder
Partner**

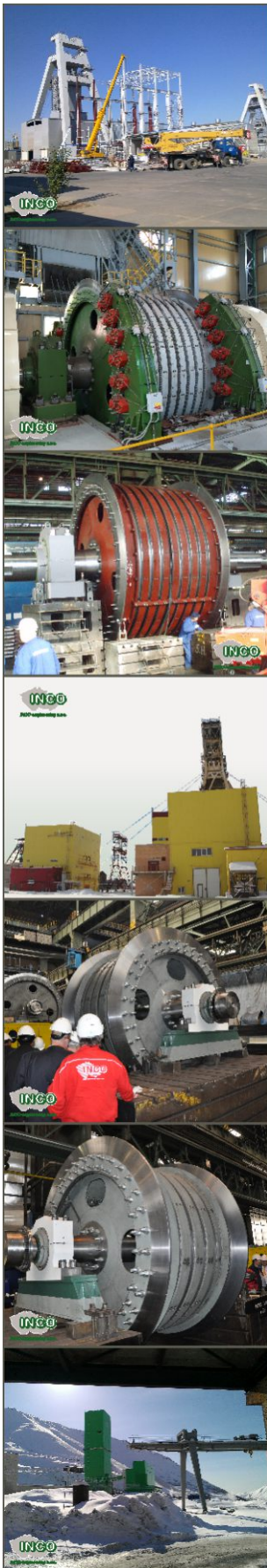
**Rockwell
Automation**

**Equipment Builder
Partner**

INCO

THE MOST SIGNIFICANT REFERENCE PROJECTS





Most significant foreign reference projects – supply

Russian Federation

OOO Apatit

- 2004 1x double drum winder 2B5024, 2x 2400 kW
- 2004 2x pulley with diameter 5 m
- 2005 1x six rope winder 6K5022, 2x 5500 kW
- 2005 1x pulley with diameter 3 m

OOO Yuzhnyi Kuzbass (Sibirginskaya)

- 2008 1x four rope winder 4K4016, 1x 2000 kW
- 2008 1x pulley with diameter 3 m
- 2008 1x pulley with diameter 2.5 m

OOO PPGCHO Krasnokamensk

- 2008 1x double drum 2B5024
- 2008 1x pulley with diameter 4 m

OOO Eurochem-Volgakaliy

- 2011 1x six rope winder 6K5529, 2x 5500 kW
- 2011 2x pulley with diameter 5,5 m
- 2011 1x four rope winder 4K4016, 1x 2000 kW
- 2011 2x pulley with diameter 4 m
- 2011 1x single drum winder 1B2016, 1x 360 kW
- 2011 1x single drum winder 1B2016, 1x 360 kW
- 2011 3x pulley with diameter 2 m
- 2011 2x skip 55 ton / 40m³
- 2011 1x fully automated loading station
- 2011 1x fully automated unloading station
- 2011 1x suspension equipment for winding and balancing containers Sadex
- 2011 1x equipment for replacement of ropes and transport containers Sadex

OOO Mosmetroroj

- 2011 4x double drum 2B2810, 1x 250 kW
- 2011 8x pulley with diameter 2,5 m,

OOO Gajski GOK

- 2012 1x four rope winder 4K3316, 1x 800 kW
- 2012 2x pulley with diameter 3 m
- 2012 1x four rope winder 4K5018, 2x 1200 kW
- 2012 2x pulley with diameter 4 m
- 2012 1x eight rope winder 8K5032, 2x 5500 kW
- 2012 2x pulley with diameter 4 m
- 2012 1x single drum winder 1B6560, 1x 3100 kW

OOO Eurochem-Volgakaliy

- 2013 1x single drum 1B5317, 2x 5500 kW
- 2014 2x mobile single drum winder in container design 1B2622, 2x 1250 kW
- 2014 2x mine signalling system

OOO Eurochem-UKK (Palasher)

- 2014 2x double drum winder 2B6028, 1x 6000 kW
- 2014 1x four rope winder 4K4016, 1x 1800 kW
- 2014 1x single drum winder 1B3020, 1x 950 kW
- 2014 4x mine signalling system
- 2014 2x fully automated loading station
- 2014 2x fully automated unloading station
- 2014 5x skip 30ton/23m³
- 2014 1x cage 25 ton
- 2014 1x emergency cage
- 2014 2x pulley with diameter 4 m
- 2014 4x pulley with diameter 6 m
- 2014 1x pulley with diameter 3 m
- 2014 1x Suspension equipment for winding and balancing ropes Sadex
- 2014 Equipment for replacement of ropes and transport containers Sadex



India

Essar Steel Limited

2010 12x brake system

Most significant current projects

Russian Federation

OOO Bashkirskaya med

2015 2x single drum winder 1B5022, 1x 1760kW

2015 2x pulley with diameter 5m

2015 2x mine signalling system

2015 2x set of suspended gear

OOO Shakhtostroitelnoe upravlenie

2015 1x mobile single drum winder in container design 1B2622, 1x 1250 kW

2015 1x pulley with diameter 3 m

2015 1x mine signalling system

2015 2x set of suspended gear

OAO Kombinat KMA Ruda

2015 1x double drum winder 2B5024, 2x 1150 kw

2015 1x double drum winder 2B4023, 2x 750 kW

2015 1x pulley with diameter 5m

2015 1x pulley with diameter 4m

2015 2x mine signalling system

India

Shriram EPC/Hutti Gold Mines

2015 1x double drum winder 2B5816, 2x 1180 KW

2015 1x four rope winder 4K3015, 1x1250kW

Most significant domestic references – modernization

Czech Republic

OKD, a.s., mine Paskov

2009 Modernization TZ II/3 (4K4016) winder with lining, Brake panel with disc Svendborg BFSH515 including anchorage. Electrohydraulic brake system Frenomatic HR19K. Digitalized machinist control panel. Electrohydraulic system Tribonik for bearing lubrication.

OKD, a.s., mine Paskov

2010 Modernization TZII/4A Electropneumatic brake system Sistonik PR6B. Machinists control panel, Switch-boards, cabin, converter and regulation set MODULEX with Digital regulation EMADYN.

OKD, a.s., mine Paskov

2010 Modernization TZ II/4B Electro-pneumatic brake system Sistonik PR6B. Modernization machinist control panel.

OKD, a.s., mine Darkov

2010 Modernization TZ Darkov 1 Electro-pneumatic brake system Sistonik PR6B.

OKD, a.s., mine Darkov

2010 Modernization TZ Mir 4 Sever (4K5016) Thyristor convertor VARIANT, converter and regulation set MODULEX with Digital convertor EMADYN.

OKD, a.s. mine Karviná, závod ČSA

2011 Modernization TZ 2 (1K7000) Thyristor convertor VARIANT. Converter and regulation set MODULEX with digital convertor EMADYN. Electro-pneumatic brake system Sistonik PR6B, machinist control panel, cabin, switch-boards.



OKD, a.s., mine Paskov

2012 Modernization TZ II/3 (4K4016)
Thyristor convertor VARIANT, converter and regulation set MODULEX with digital convertor EMADYN. Dynamic filtration and compensation station.

OKD, a.s., mine Darkov

2012 Modernization TZ Su – Sto (2B6016)
Electro-pneumatic brake system Sistonik PR6B.

OKD, a.s., důl Paskov, lokalita Chlebovice

2013 Complete modernization and instalation of equipment III/6A to the 4th level. Winding equipment in the shaft with depth 948 m.

DIAMO s.p., o.z. GEAM, mine Dolní Rožínka

2013 Modernization TZ R7S (2B3216-2M)
Brake panel with disc brake Svendborg BFSH515 including anchorage. Brake system Reprimatic HR 15B. Switch-boards, Machinist control panel, cabin and switch-board of signalling, drive.

OKD, a.s., mine Darkov

2013 Modernization TZ Mír 5 Jih (2B6124)
Replacement of winder drums and hubs, sliding cases, lining of drums and mechanism of clutch loose drum.

OKD, a.s., mine Karviná, závod Lazy

2014 Modernization TZ1 (4K5016)
Modernization of Thyristor convertor VARIAT Maxi, Digital tachograph.

OKD, a.s., mine Darkov

2014 Modernization TZ Mír 4 Sever (4K5016)
Brake panel with disc brake Svendborg BFSH515 including anchorage. Brake system Reprimatic HR15K.
2014 Supply of 2x skip 35m³.

OKD, a.s., mine ČSM

2014 Modernization TZ1 (2B6121)
Electro-pneumatic brake system Sistonik PR6B.
Machinist control panel, cabin and switch-boards, converter and regulation set MODULEX with digital convertor EMADYN
2014 Modernization TZ2 (2B6121)
Electro-pneumatic brake system Sistonik PR6B, machinist control panel, cabin and switch-boards, converter and regulation set MODULEX with digital convertor EMADYN Thyristor convertor VARIANT, filtration and compensation station.

OKD, a.s., mine Karviná (Lazy)

2015 Modernization TZ II/6 (4K5016)
Brake panel with disc brake Svendborg BFSH515 including anchorage. Brake system Reprimatic HR15K.2 NG
Machinist control panel, Switch-boards.



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