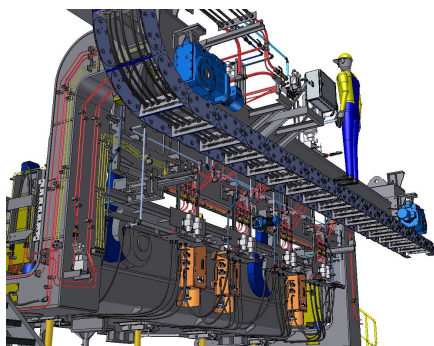
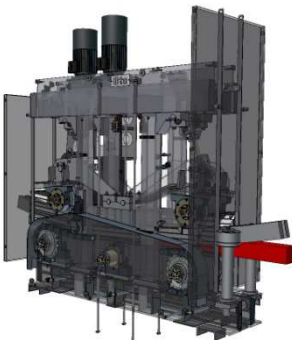
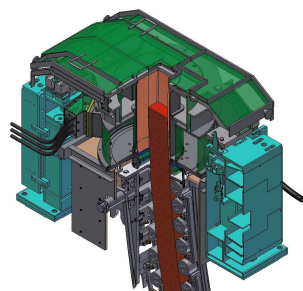
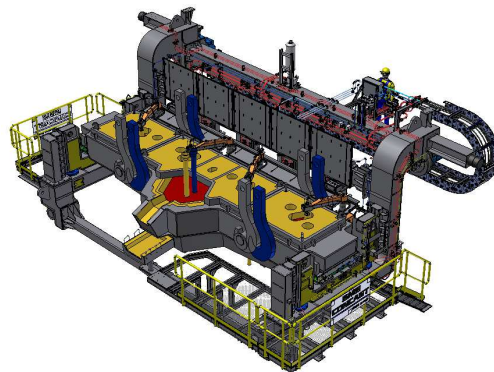
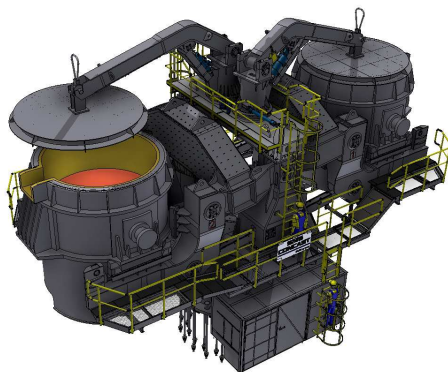
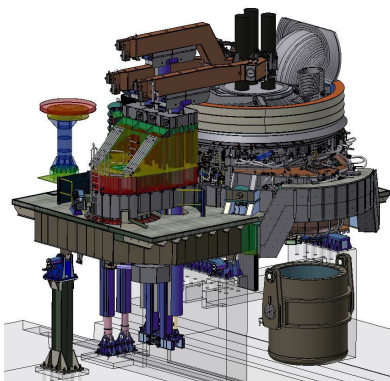


RELIABLE ENGINEERING PARTNER FOR STEEL INDUSTRY



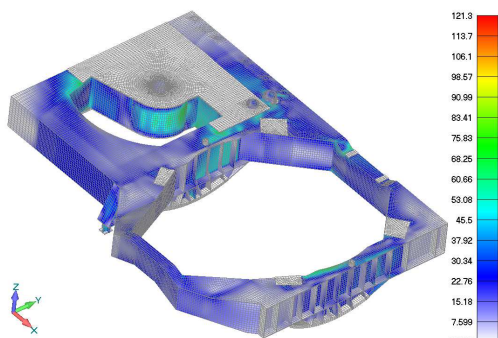
VERTEX STAR d.o.o. was established 2004 as engineering company for design, engineering and consulting. Major activity is in field of equipment for steel plants (electric steel making), continuous casting and rolling mills. Our engineers has 15 years experience in design and engineering steel making equipment.

Scope of our engineering services:

- ✓ design and engineering electric steel making equipment (EAF/LF)
- ✓ continuous casting machines
- ✓ engineering problems solving
- ✓ research , development and optimization
- ✓ facility layouts
- ✓ machine attached piping
- ✓ FEM analysis
- ✓ calculations of: gears, shafts, bearings, belts, connection elements
- ✓ support and supervising manufacturing/erection
- ✓ project management

Customers:

- ❖ SMS Concast (Switzerland, Italy)
- ❖ SIEMENS VAI Metals Technologies
- ❖ Badische Stahl Engineering (BSE)
- ❖ Fuchs Technology



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Ordered by SMS Concast:

TPCO, USA / Ladle Turret
Asil Celik, Trukey / Ladle Turret, Tundish, Tundush Car, Auxiliary equipment
Gunung Steel Group, Indonesia / Ladle Turret, Tundish, Tundush Car, Auxiliary equipment
Azovstal, Ukraine / Ladle Turret, Tundish, Tundush Car, Auxiliary equipment
Vallourec & Mannesmann, France / EAF Shell, Gantry, Tilting Platform
Hyundai Steel, S. Korea / EAF Slag Door, with slag pusher

Ordered by SMS Siemag:

Peiner Träger, Germany / Scrap Bucket

Ordered by Badische Stahl Engineering (BSE)

Uzmetkombinat, Uzbekistan / LF Roof Arm/Column
CMC,. Poland / EAF Tiling Platform
Pasargrad, Iran / EAF Gantry modificaion
Arcansas, USA / EAF Gantry

Ordered by Siemens VAI MT

Revda Berezovsky, Russia / EAF Roof, EAF Gantry, Scrap Bucket
G-Stell, Thailand / EAF Lower Shell
Magnitogorsk, Russia / EAF Roof, Hot Metal Charging Manipulator, Scrap Bucket
Tisco, China / LF layout
Villares, Brasil / EAF Upper Shell
Ares, Luxemburg / Twin EAF Upper Shells
Acerinox, Spain / Scrap Bucket
Hadeed, Saudi Arabia / Twin LF Roofs, EAF Upper Shell
Stahl Gerlafingen, Switzerland / Ladle Car
Thamesteel, UK / EAF Roof, Drop Out Box
Stahlwerk Bous / EAF Lower Shell, LF T&P Manipulator
Altos Hornos, Mexico / EAF Gantry, Hot Metal Charging Manipulator, Slag Door Cleaner, Scrap Bucket
Shadeed Steel, UAE / EAF Gantry, Scrap Bucket
Beshay Steel, Egypt / EAF Gantry, Hot Metal Charging Manipulator, Slag Door Cleaner, Scrap Bucket
MedSteel, Syria / EAF Gantry, EAF Roof
Severstal, Russia / Shaft Furnace Roof and Gantry
Donetsk Steel, Ukraine / EAF Gantry
Dalian Steel, China / EAF Roof
Arcelor Mittal Krivoy Rog, Ukraine / LF Roof, Dummy Bar Storage Unit, Cross Transfer Device
Colakoglu, Turkey / EAF Gantry
Qatar Steel, Qatar / EAF Roof, Dummy Bar Storage Unit, Withdrawal & Straightener Unit, Cross Transfer Device
Krakatau, Indonesia / EAF Roof
Talleres y Aceros (TYASA), Mexico / Quantum EAF Upper Shell, Oscillator, Machine Head for Billet Caster, Dummy Bar Storage Unit, Cross Transfer Device, Roller Table for Strapping and Weighing
Baku Steel, Azerbaijan / EAF Roof
Natsteel, Singapore / Off Gas Duct
IISCO Steel, India / Dummy Bar Storage Unit, Withdrawal & Straightener Unit
Beshay Steel, Egypt / Dummy Bar Storage Unit
MedSteel, Syria / Withdrawal & Straightener Unit
Severstal. Russia / Dummy Bar Storage Unit
Al toun, Saudi Arabia / Dummy Bar Storage Unit, Withdrawal & Straightener Unit
Yongfeng, China / Dummy Bar Storage Unit, Withdrawal & Straightener Unit, Cross Transfer Device
Xingtai, China / Dummy Bar Storage Unit
Bhilai, India / Dummy Bar Storage Unit
Georgsmarienhütte, Germany / Mold for Billet Caster
Ege Celik, Turkey / Mold, Oscillator for Billet Caster
Omutninsk, Belarus / Mold , Oscillator, Machine Head for Billet Caster

Ordered by Fuchs Technology

Liepajas Latvia / COSS Scrap Bucket, Platforms
TAM, Iran / EAF Lower Shell, Tilting Frame
Aceros Zapla, Argentina / EAF Lower Shell, Upper Shell, Tilting Frame