



faces SpA
fonderia acciai speciali

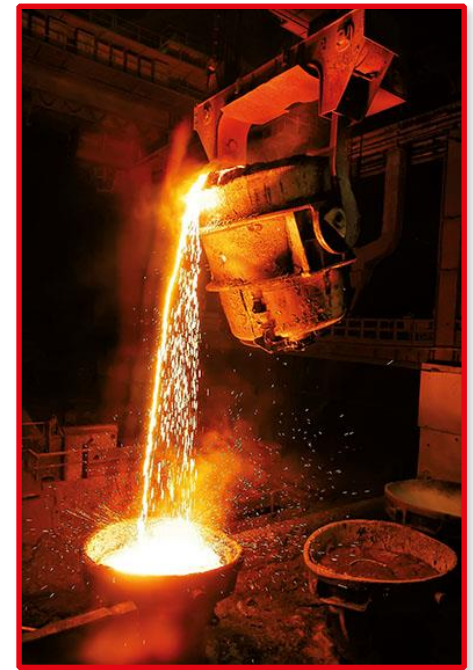
**Power of steel,
art of casting.**

FACES



Venice. Since 1977 FACES has been **specializing in melting steel castings**, offering to our partners custom-made solutions for their needs in the steel market.

Thanks to values rooted in this land, the passion for casting is at the base of our company philosophy, doing our best to guarantee high standard on **quality, flexibility, innovation** and **service**.



FACES

Headquarters

Via delle Industrie n.23 MARCON (VE)

Tel. 041 4567644 Fax 041 4569570

E-mail: info@faccesspa.it

Established in the year
1977

Surface

Total mq. 25.000

Indoor mq. 9.500

Employees

60

Yearly production

1.200 tons.

Casting weight range

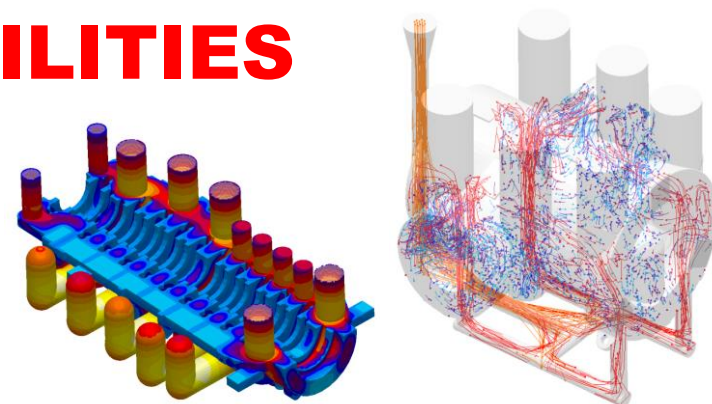
from 100 kg. to 7.000 kg



FOUNDRY CAPABILITIES

ENGINEERING

- Co-design service for casting optimization
- Pouring simulation with software MAGMASOFT
- CAD 3D design with SOLIDWORKS



PATTERN SHOP PREPARATION AND STORAGE

- 3600 mq² surface, 15x40m storage racks on seven layers
- Movements by means of electric lift truck with on board operator
- Manufacturing and modification of wood and resin patterns



FOUNDRY CAPABILITIES

MOULDING AND CORE SHOP

- Phenolic-alkaline resin process
- Chromite sand
- Sides of moulding boxes 400 to 3000 mm long
- IMF T36/15 S high speed mixer
- IMF T36/10
- 25 lt automatic core shooter
- Molds and cores 3D printing



FOUNDRI CAPABILITIES

STEEL WORKS

Faces is specialized in the production of *Duplex, Superduplex and Nickel-base alloys*.

- 7,5 tons. AOD converter
- OBLF GS1000 spectrometer
- Sulphur and carbon quick analyser Leco CS-744
- Oxygen and Nitrogen quick analyser Leco TC-400
- 2 induction ovens 2,5 t Inductotherm Dual Track system
- 1 induction oven 2,5 t Inductotherm
- 1 induction oven 1,0 t Inductotherm
- 1 induction oven 0,3 t Inductotherm
- Radioactivity detector and PMI for row materials
- Raw Material warehouse 2400 mq² covered



FOUNDRY CAPABILITIES

FINISHING

- Shake-out / Hot shake-out
- Oxygen / Arc-Air / Cold cutting
- Grinding
- 4 automatic multi cluster stainless steel shotblasting machines up to 8000 kg of weight



FOUNDRY CAPABILITIES

HEAT TREATMENTS

- Furnaces qualified according to ISO 10423 appendix H e AMS2750
- Methane gas-heated furnaces, size 2,5 x 2,5 x 1,5 m , 1240° C maximum temperature, recording and programming
- Methane gas-heated furnaces, size 2,5 x 2,5 x 1,8 m., 1150 ° C maximum temperature, recording and programming
- 60 m³ solution heat treatment tank with automatic stirring and cooling system
- The ovens are equipped with semiautomatic draw-off device with onboard operator (capacity load max 8 t) which is able to transfer to the solution tank in less then a minute



FOUNDRI CAPABILITIES

HEAT TREATMENTS



FOUNDRY CAPABILITIES

WELDING

- Welders qualified in accordance to ASME IX by third party (TÜV, LR, DNV, RCC-M)
- Welding machines for GMAW and SMAW processes
- Electrode maintenance by:
 1. Muffle oven for electrode drying
 2. Electrode maintenance ovens
 6. Portable ovens



FOUNDRY CAPABILITIES

NON DESTRUCTIVE EXAMINATION

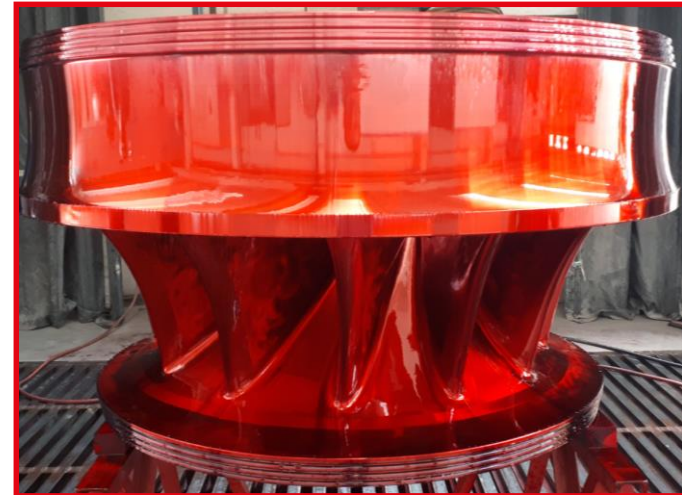
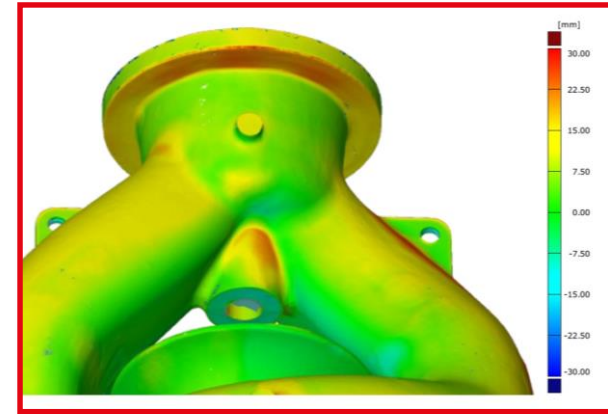
Personnel qualified according to **ASNT SNT-TC-1A e EN/473 ISO 9712** in the following methods:

- **VT:** Visual Test: SCRATA comparators and MSS-SP-55 standard
- **PT:** 2 cabins for dye penetrant examination
- **MT:** Dry/Liquid magnetoscopic test: Magiscop 3000 CC/CA and Magiscop 4000 CC/CA
- **UT:** Ultrasonic flaw detection: equipment USM GO Advanced
- **RT:** up to 300 mm thickness. Carried out externally by qualified sub suppliers; iridium and cobalt source and x-ray accelerator.
- **Dimensional Control:**
 - Standard Equipment
 - Industrial 3D Laser SCAN Measuring System with High-Speed Technology (GOM)



FOUNDRY CAPABILITIES

NON DESTRUCTIVE EXAMINATION



FOUNDRY CAPABILITIES

LABORATORY

- Optical emission spectrometer OBLF GS1000
- Carbon-Sulfur determinator Leco CS-744
- Oxygen-Nitrogen Determinator Leco TC-400
- Computerized tension testing machine (Galdabini PMA/20 and EE50/1000)
- Charpy machine (Galdabini CH E/30 A)
- Metallographic microscope with microphotographic system
- Hardness machine ERNST AT 180 D
- Ferritoscope FISCHER
- Sand Universal Strength Machine FISCHER
- Granulate measuring equipment
- External laboratories qualified by ACCREDIA according with ISO 17025



QUALIFICATION AND CERTIFICATE

NORSOK M-650, EDITION 4

- ASTM A890/A995 gr.4A, M-630 ed.6 MDS D46 Rev.5 (300mm)
- ASTM A890/A995 gr.5A, M-630 ed.6 MDS D56 Rev.5 (250mm)
- ASTM A890/A995 gr.6A, M-630 ed.6 MDS D56 Rev.5 (250mm)



QUALITY, SAFETY AND ENVIRONMENT

- **ISO 9001:2015** The Quality Management System supports the requirements of Annex I, chapt. 4.3 of **Pressure Equipment Directive (PED)**
- **TÜV AD 2000-MERKBLATT W0** Integrated Management Manual
- **CERTIFICATION OF BUREAU VERITAS MARINE & OFFSHORE**
- **CERTIFICATION OF LLOYD'S REGISTER MARINE**
- **CERTIFICATION OF DNV MARINE**

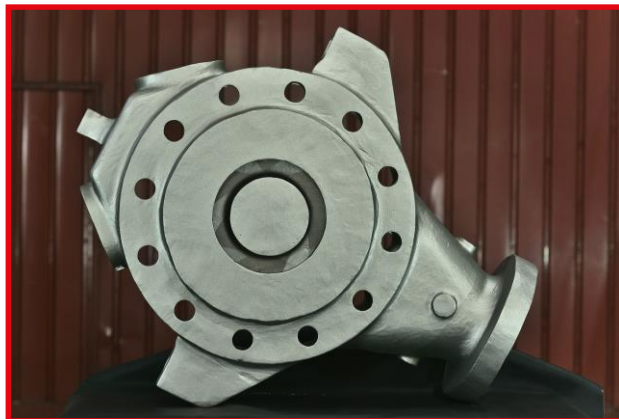


PROJECTS

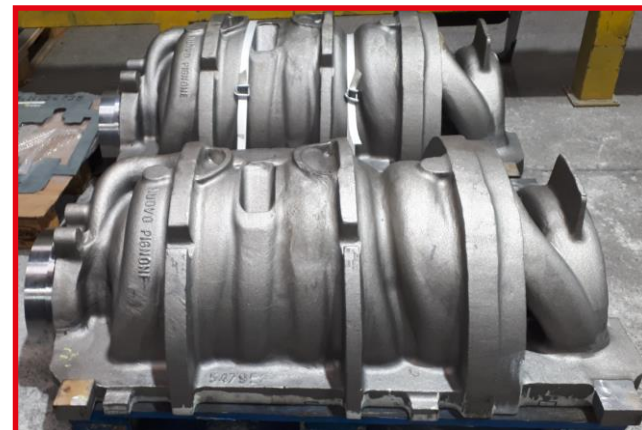
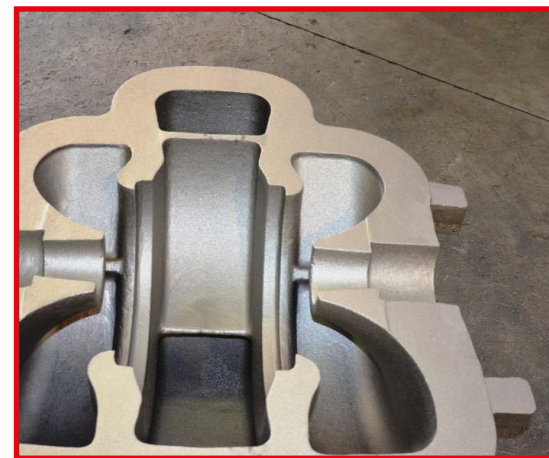
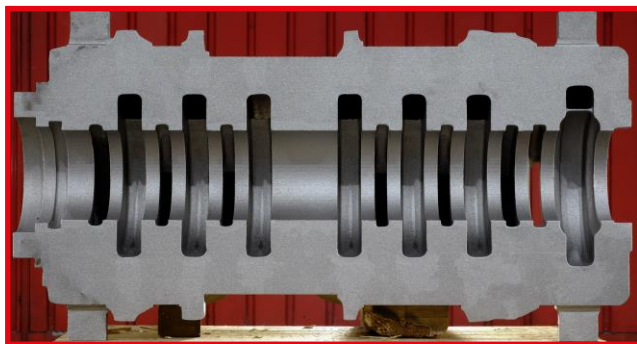
- Clair Ridge
- Gorgon
- Jazan Saudi Aramco
- Kashagan
- Shah Deniz
- Statfjord-Statoil
- Sverdrup
- Sangomar
- Bacalhau
- Shell-Corrib
- Hone
- Flix
- Artic
- Cordoba
- Hinkley Point C
- Cryoshell
- Eni AMOCA
- Njhamna
- Hanul



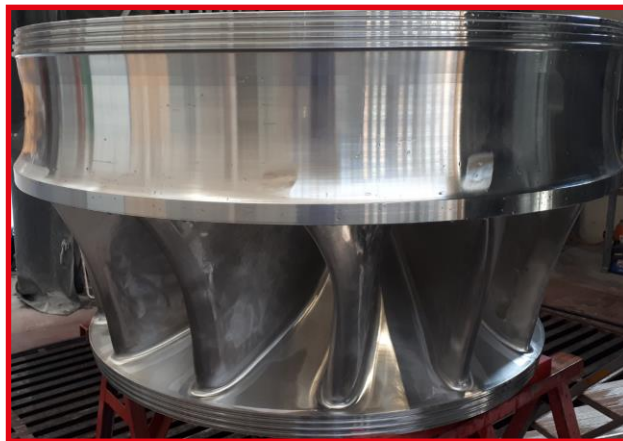
PRODUCTS



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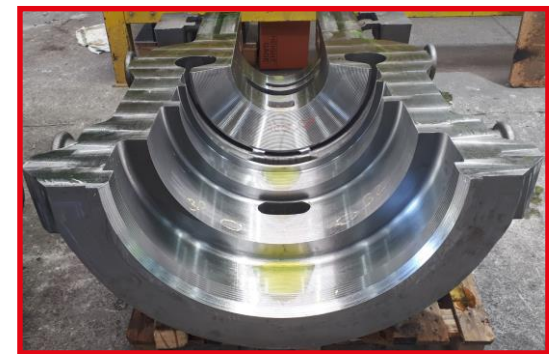
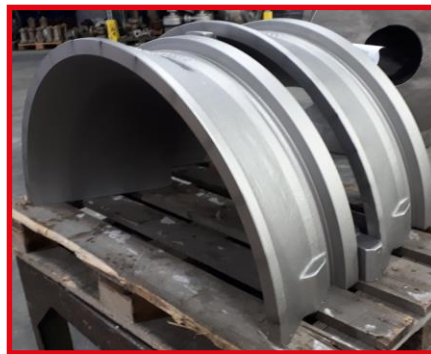
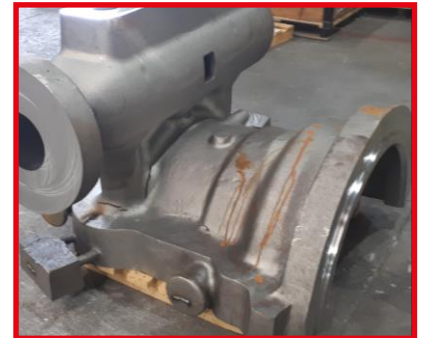
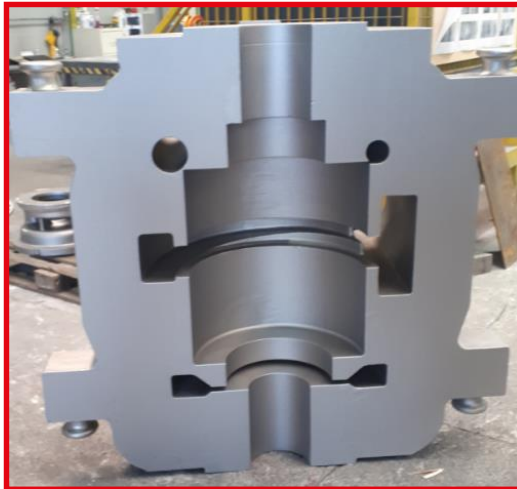
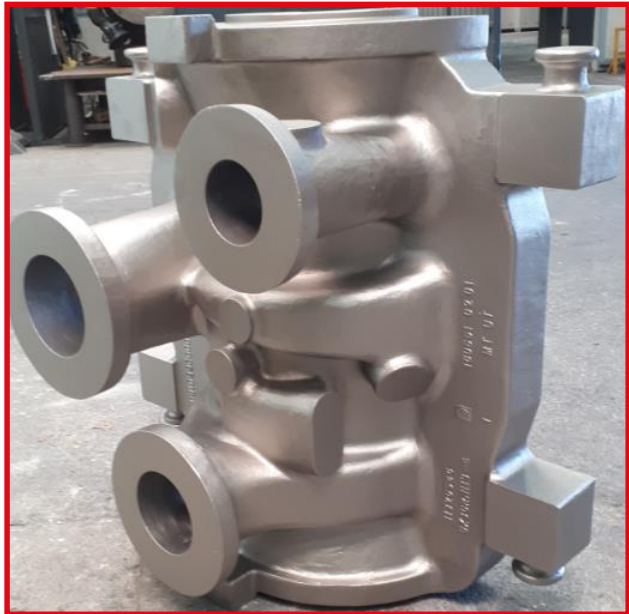
PRODUCTS



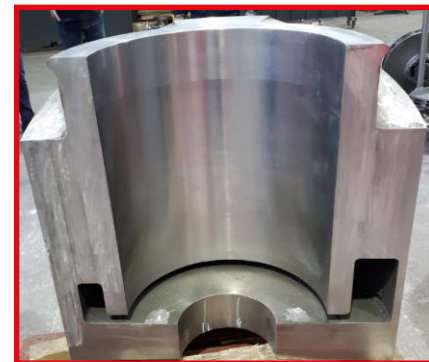
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