

PRODUCTION / SUPERVISION

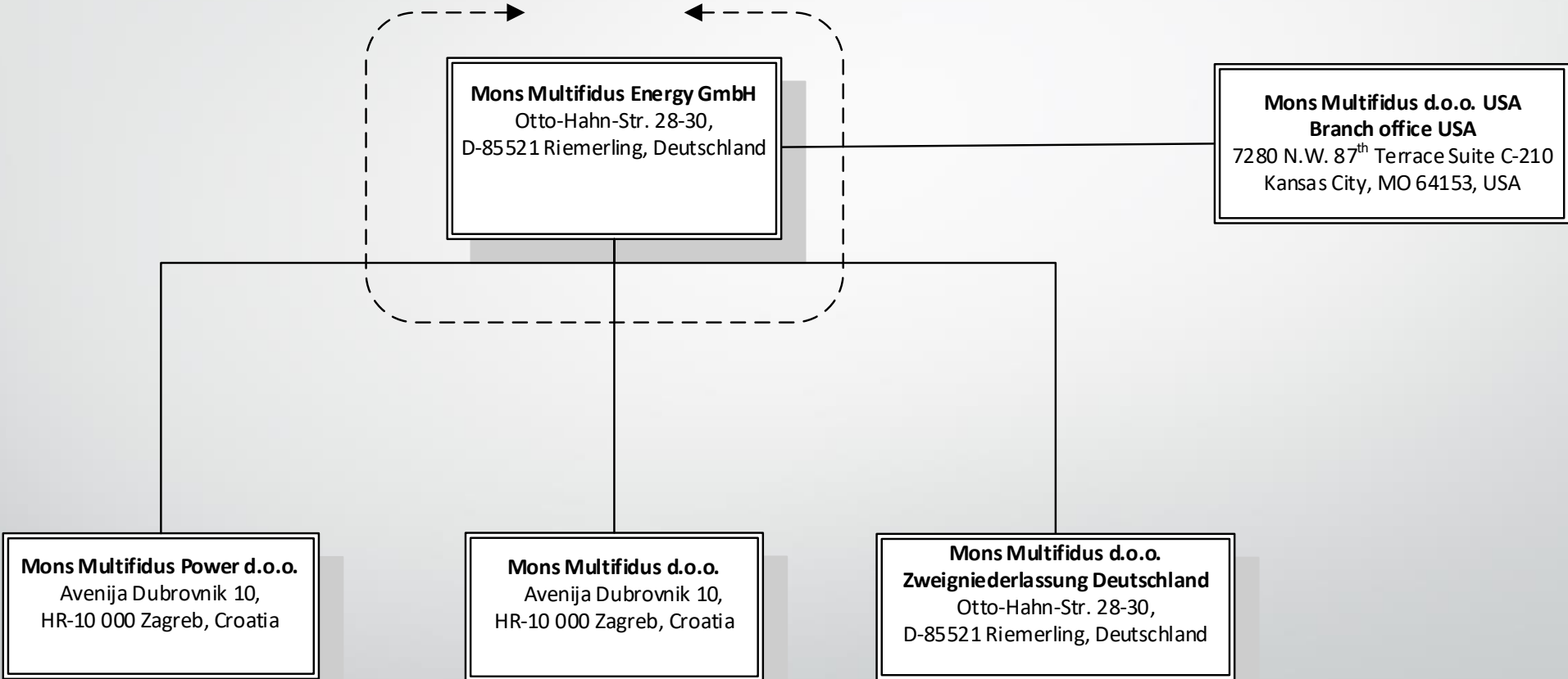
Mons Multifidus Energy GmbH

Otto-Hahn-Str. 28-30

D-85521 Riemerling

Germany

COMPANY STRUCTURE



COMPANY CERTIFICATES

- EN ISO 9001:2015
- SCC:2011 - „Safety Certificate Contractors“
- DIN EN ISO 3834-2
- Production of pressure equipment acc. to PED 2014/68/EU, Annex I, pt. 3.1 and to AD 2000 HPO sec. 3. and AD 2000 HP 100R sec. 4.2
- DIN EN 1090-1/2; EXC 3



INTRODUCTION

The company was established on 14th of June 2016 by a young and experienced engineers who had acquired their know-how working on numerous local and international projects.

Mons Multifidus Group company is active for the last six years on the Croatian, EU and USA market working on projects such as power plants (energy projects), petrochemical, wooden industry, various industrial plants, etc.

At the moment company is positioned among the most promising companies in the field of erection and installation of the industrial plants.

Besides project and site engineering team with over 40 highly qualified and experienced engineers, the company has direct productive manpower which consists of supervisors, foremans, fitters, pipe fitters and welders.

INTRODUCTION

With a number of approximately 250 skilled and productive workers, together with engineering and office staff, it places the company in a medium-sized entrepreneurship.

Our workers are trained to operate in the most demanding conditions and in accordance with the required standards.

Company encourages employees to obtain further specialized training in welding and quality control and to attend professional seminars and workshops to become additionally trained in various areas of business & management, computer science and foreign languages.

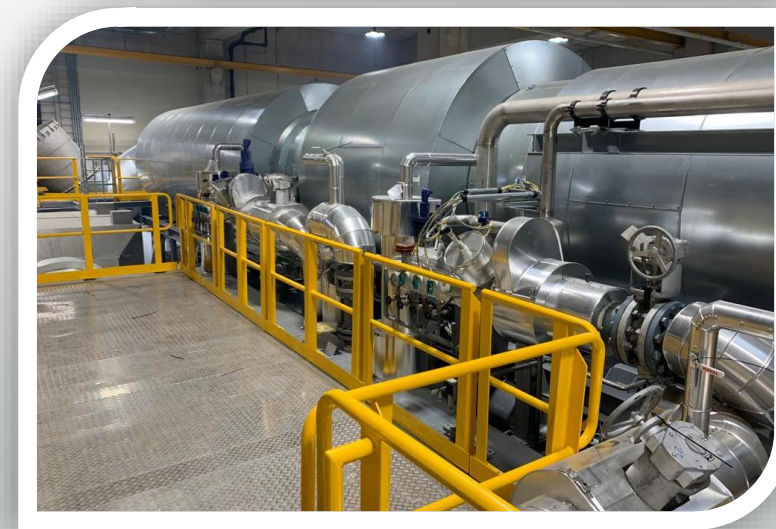
We also provide a number of internal trainings to provide our welders and machinists with knowledge and skills required to work on highly complex projects.



SCOPE OF WORK

➤ ENERGY SECTOR

- Thermal Power Plants
- Nuclear Power Plants
- Waste Incineration Plants
- Gas & Steam Power Plants
- Large Boiler Plants
- Electrofilters and Desulfurization
- Pipeline Systems



SCOPE OF WORK

➤ PETROCHEMICAL INDUSTRY

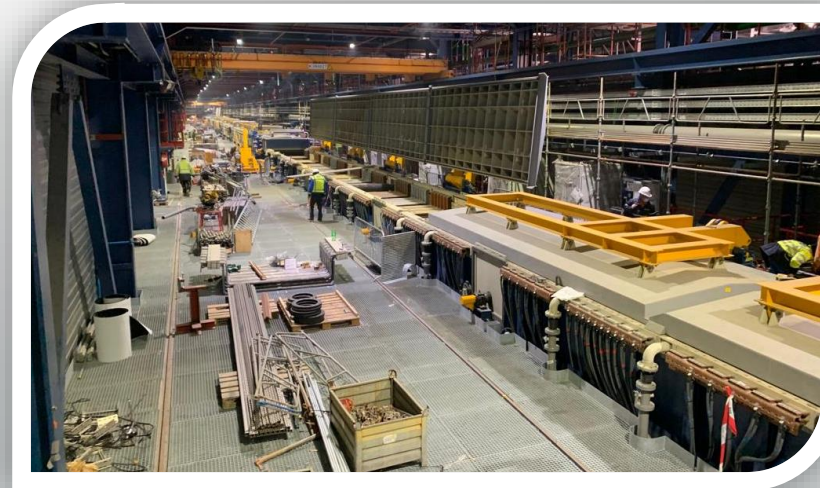
- Oil Refineries
- Offshore Platforms
- Fertilizer Factories
- Pipeline Systems
- Oil Tanks



SCOPE OF WORK

➤ INDUSTRIAL PLANTS

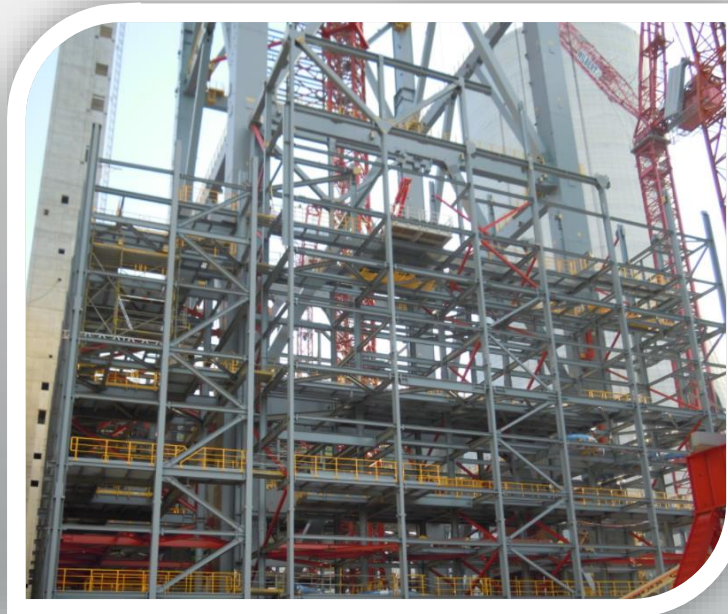
- Cement Plants
- Paper Mills
- Sugar Mills
- Wood Industry
- Automotive Industry
- Metallurgical Plants
- Process Industry



SCOPE OF WORK

➤ STEEL STRUCTURES

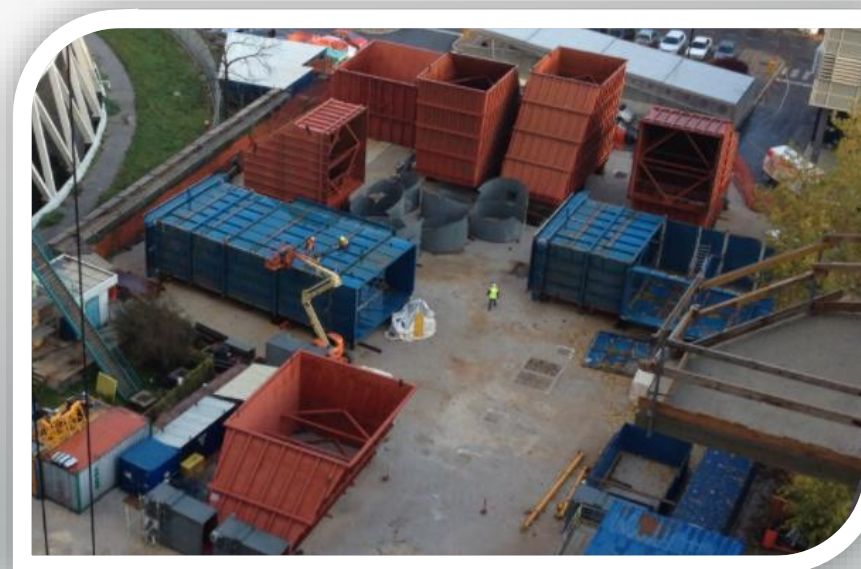
- Steel bridges
- Industrial halls
- Secondary steel structure



MANUFACTURING

At the moment the company is managing all the activities which are related to fabrication of steel structures and prefabrication of pipelines and ducts, together with other steel components with our Croatian contractors and partners. Depending on the facility, we are able to manufacture between 30 and 70 tons of steel structures per month, and 100 tons of pipelines per month.

- Bridges and Steel Structures
- Pipelines
- Steel Components
- Ducts



SCAFFOLDING

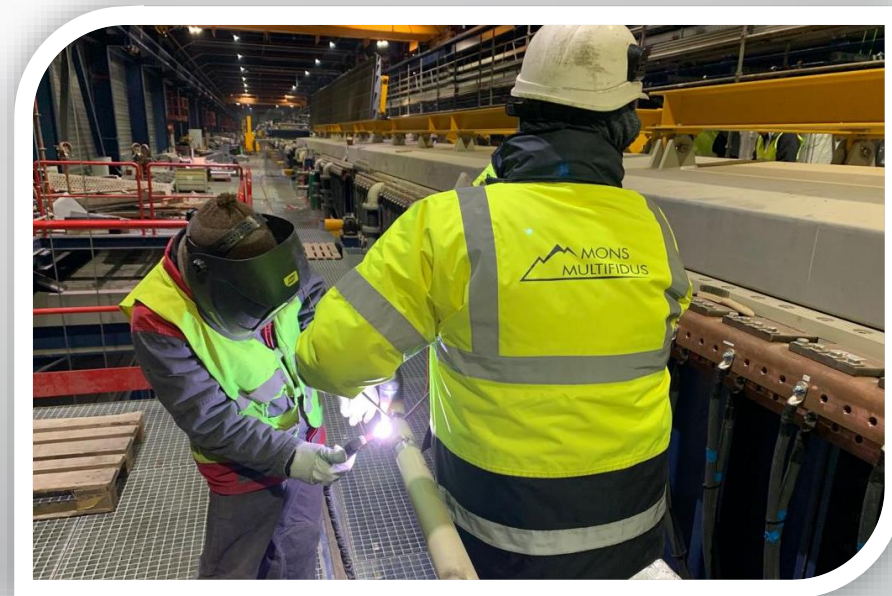
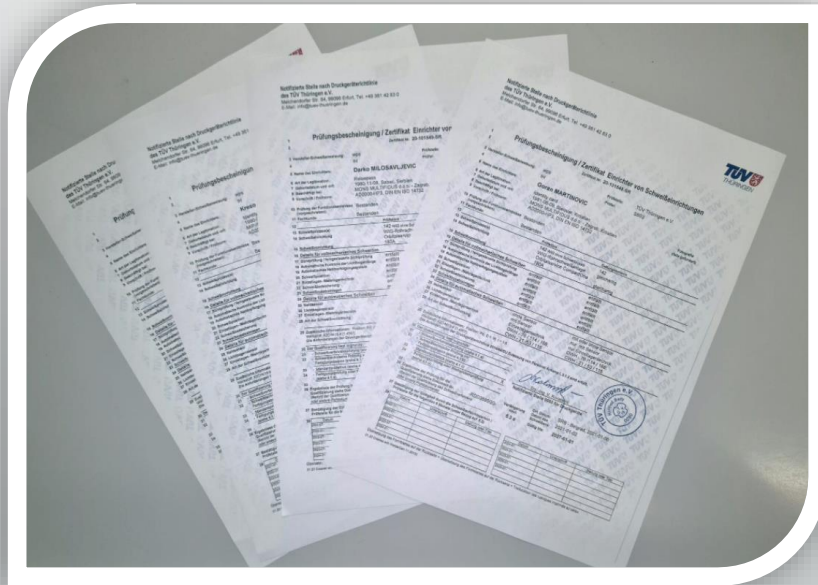
➤ Installation and rental up to 5000 m³



WELDING ACTIVITIES

Piping and steel structures

- Qualified welders acc. to EN ISO 9606-1, ASME sec. IX
- Qualified operators acc. to EN ISO 14732



WELDING ACTIVITIES

Piping and steel structures

- Skilled welders with welding processes in acc. to EN ISO 4063
 - TIG (141) – 52 welders
 - SMAW (111) – 45 welders
 - TIG+SMAW (111+141) – 15 welders
 - MIG/MAG (131/135) – 40 welders
 - Orbital TIG (142) – 10 operators
- Covering a great range of materials acc. to ISO/TR 15608
 - Non and low alloyed steels - Groups 1/2 (P235GH, 16Mo3, P355GH, P420M, etc.)
 - Boiler steels - Groups 4/5/6 (WB36, 13CrMo4-5, 10CrMo9-10, X10CrMoVNb9-1 etc.)
 - Stainless steels - Group 8 (X2CrNi18-9, X2CrNiMo17-12-2, X6CrNiTi18-10, etc.)
 - Al and Ni alloys – Groups 2x and 4x



ORBITAL TIG WELDING

- Fast, reliable and efficient
- High quality weld seams
- Ideal for welding of austenitic steels pipes
 - Pharmaceutical industry
 - Food industry
 - Petrochemical industry



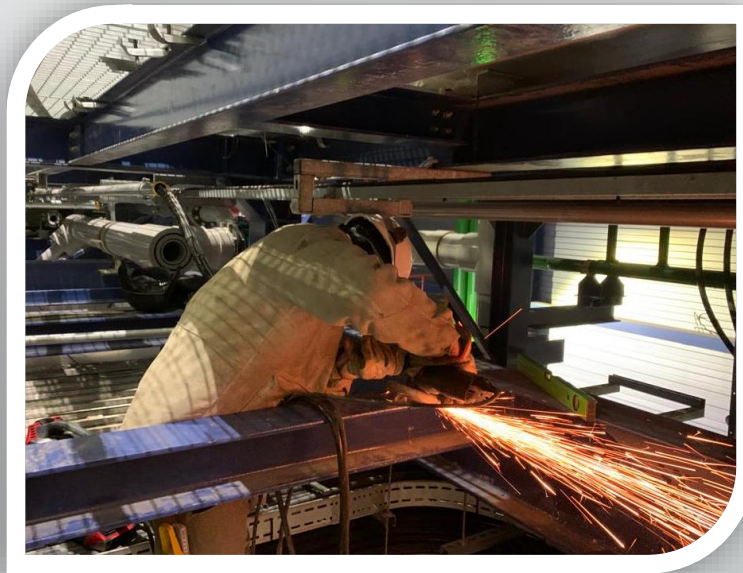
ORBITAL TIG WELDING

- At its disposal the company has:
 - 6 powerful water cooled orbital welding machines
 - Wide range of open/closed weld heads with appertaining clamps
 - 4 orbital cutting machines
- Scope of application:
 - Pipe wall thickness 1 ÷ 4 mm
 - Pipe diameters 6 ÷ 273 mm



FITTERS / SUPERVISORS

- Supervisors / foremans – 30 workers
- Pipe fitters – 80 workers
- Fitters – 90 workers



HIGHLIGHTED PROJECTS

VW Heizkraftwerk Nord-Süd Wolfsburg

- At the "Heizkraftwerk Nord/Süd" power station, we have replaced the coal-fired boilers by a combined-cycle (gas and steam turbine) system and three hot water boilers.
- These facilities are generating about 136 megawatts of electric power and about 386 megawatts of heat energy.
- Two combined-cycle units are installed in the current coal storage area next to the "Heizkraftwerk West" power station and are generating about 288 megawatts of electric power and about 265 megawatts of heat energy.
- The new high-efficiency gas turbines installed at the Wolfsburg power stations will durably reduce carbon dioxide emissions for heat and power generation by about 1.5 million tonnes per year.



HIGHLIGHTED PROJECTS

DREWAG Heizkraftwerk Dresden - Reick

- The power plant features Wärtsilä 31SG gas engines and delivers up to 90 MW of electrical as well as 84 MW of district heating output for the city of Dresden.
- With this flexible CHP gas engine plant, DREWAG is investing in the highest level of efficiency and emission control systems to supply safe, clean, and affordable energy, while further committing to a higher share of renewable energy sources.
- Engines which are operating on natural gas are extremely flexible and have the highest efficiency on the market.
- Engines are capable of reaching full output from start-up in maximum five minutes and synchronize with the grid in less than 30 seconds to provide immediate balancing of the grid.



REFERENCES

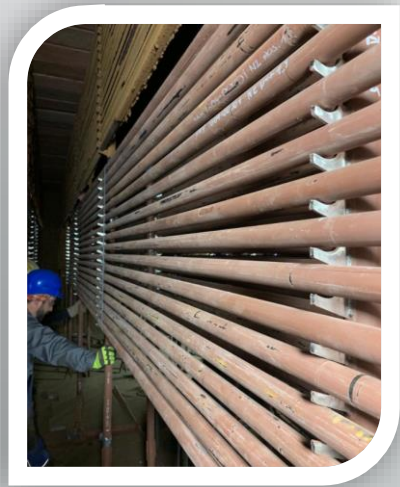
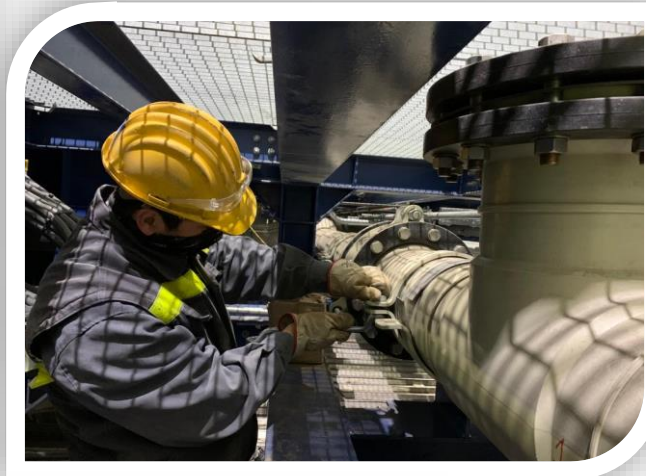
- 2020 – 2022 Project DREWAG Heizkraftwerk Dresden – Reick, Germany
- 2016-2020 New construction of wood chips processing plant, Kronospan CRO, Bjelovar, Croatia
- 2016–2020 Pipeline prefabrication - workshop, Eddelak, Germany.
- 2016–2019 Maintenance in the paper mill - Osnabrück, Germany.
- 2020-2021 Mechanical assembly of the complete pickling lines at the strip treatment plant, Aperam Stainlesse, Genk, Belgium
- 2020-2021 Installation of the steam turbine pipeline, Volkswagenwerk, Kraftwerk Süd, Wolfsburg, Germany
- 2018-2020 Maintenance in the chipboard plant, EGGER LLC, Lexington, NC, USA
- 2019-2020 Maintenance in the chipboard plant, Kronospan LLC, Eastaboga, Alabama, USA
- 2019–2020 Assembly of steel structures, machines in the factories of Baumit GmbH Colditz, Germany.
- 2019-2020 Repair of the forming station for the supply of wood chips in the wood industry - Sandebeck, Germany.
- 2019–2019 Laying the main gas pipeline 150 m - DN 150, Kronospan CRO, Bjelovar, Croatia
- 2019-2019 Revitalization of the air compressor in the Kronospan Clarion Boards LLC particle board plant in Pennsylvania, USA
- 2018–2019 Assembly of steel structures, machines and pipes in the Knauf Illange plant, France.
- 2018-2019 Installation of a hydrant pipeline in the new plant in the Eastaboga plant of Kronospan LLC, Alabama, USA.
- 2018-2019 Repair of the thermal oil pipeline in the acrylic sheet production plant in the Kronospan CZ factory in Jihlava, Czech Republic.
- 2018-2018 Repair of the forming station in the parquet production facilities in the Kronospan Clarion Boards LLC, Pennsylvania USA plant.

PLAN FOR THE FUTURE

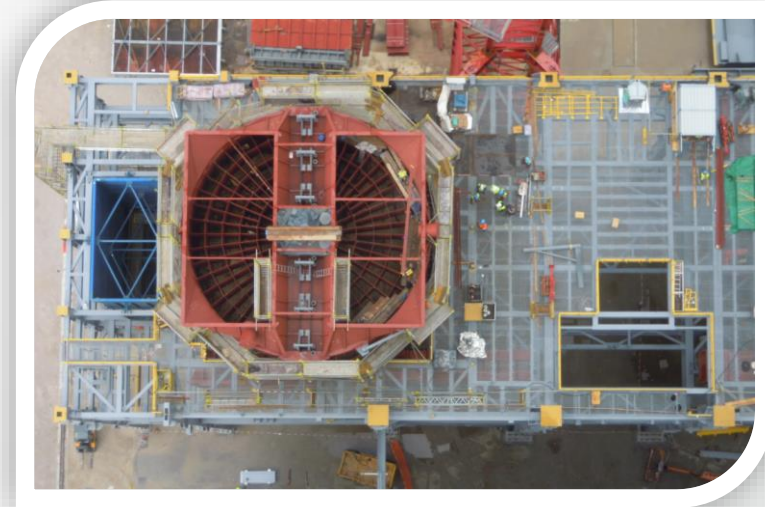
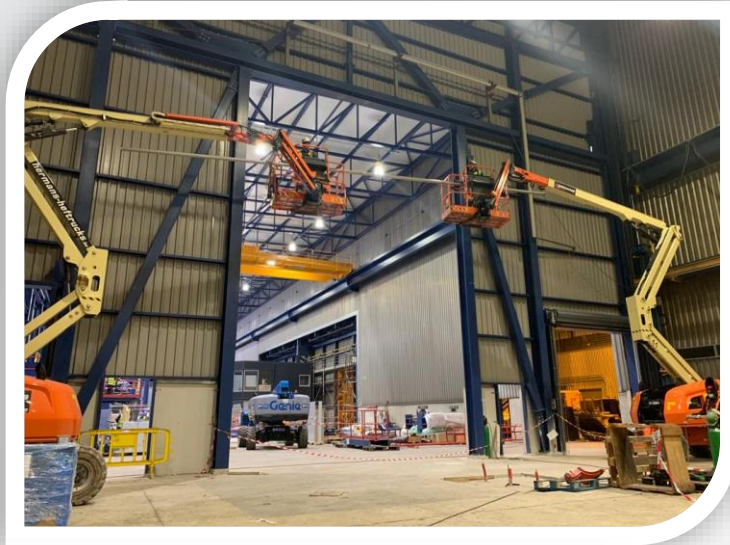
Other than developing new markets for the installation of steel structures, pipelines, plants and equipment, the company plans to invest in expanding its offer to address the requirements of both the existing and new business partners even better and more effectively. For that purpose, on our building land near Zagreb, the capital city of Croatia, we are planning to build a 1000 m² multifunctional production hall in order to complete the overall service-production cycle, thus providing our customers with the highest quality service.



GALLERY



GALLERY



Thank you for your attention!

Mons Multifidus Energy GmbH

Otto-Hahn-Str. 28-30

D-85521 Riemerling

e-mail: info@mmf-energy.com

Tel.: +49 (0) 89 665 935 83

Fax.: +49 (0) 89 610 660 04

www.mmf-energy.com

