

	Sistema di gestione qualità, sicurezza, ambiente SCOPE OF APPLICATION OF THE INTEGRATED MANAGEMENT SYSTEM	MOD 00 01 Rev. 03 Data 06/03/2024 Pagina 1 di 1
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Company name	FRIULFORGIA S.r.l. Unipersonale
Legal head office	Via I Maggio, 30 - 20014 Nerviano (MI)
Operational Headquarters	Località Pannellia, 55 - 33039 Sedegliano (UD)
Foundation year	2008
Sector activities	Siderurgy
Average no. of employees	76
Site surface area	The plant occupies an area of approximately 66.000 m ² and 14.750 m ² are covered. The plant consists of two buildings, one for the forge (8.700 m ²) and the newer one for mechanical machining (6.050 m ²).
Production capacity	Forged parts (rough, rough-machined, heat-treated, mechanical machined) in carbon steel, stainless steel, alloy steel, duplex, super duplex. Maximum weight 35.000 kg, maximum length 14.000 mm, maximum diameter 2.500 mm. Bars: round with a diameter from 200 mm to 800 mm and length until 11.000 mm; square with a diameter from 200 mm to 800 mm and length until 11.000 mm; plates with a thickness from 120 mm to 1.000 mm, width from 200 mm to 2.000 mm and length until 11.000 mm.
Activities performed on site	Forging, heat treatment (normalizing, quenching and tempering, annealing, solution annealing, tempering, slow cooling), sawing, mechanical machining such as turning (horizontal finishing lathe maximum diameter 2.400 mm and maximum length 20.000 mm; vertical finishing lathe maximum diameter 3.600 mm and maximum height 3.500 mm), milling (15.000 x 3.500 x 1.000 mm), deep drilling (maximum diameter 900 mm and maximum length 25.000 mm), grinding, boring and quality control.
Outsourced activities	Pre-machining, finish machining, heat treatments, surface treatments (nitriding, cementation, induction hardening, vacuum hardening, PVD-CVD coatings, pickling), welding and NDT inspections.
Production sectors	Shafts, bushings and forgings for shipbuilding; shafts and component for gearboxes (discs, pinions). Components for pressure vessels and offshore plants, paper industry, energy sector (turbines, generators, compressors) wind and water power, nuclear power, steel and cement industry.
Other resources used in the production cycle	Natural gas for heating forge and heat treatment furnaces and office heating. Electricity. Solar energy. Water from municipal waterworks. Coolant oils, mineral oil for hydraulic presses and lubricants. Testing materials.
Main waste produced	Mill scale, filings and shavings from cutting and machining operations, scrap iron and steel, mineral oils, emulsified water, refractory materials from forging and treatment furnaces.
Atmospheric emissions and water discharges	Friulforgia has 6 authorized emission points for fumes and combustion residues from the forging and heat treatment furnaces. One discharge into the public sewerage system for plant water and runoff from external yards.
Main Contractors supporting the activity	Periodic maintenance on equipment (forklifts, overhead cranes, underhooks, elevating platforms, fire-fighting systems and devices), extraordinary (manipulators, compressors, pumps, mechanical processing machines), furnace and refractory maintenance, installations (electrical, water, methane gas, heating/air conditioning); sampling, analyses, laboratory tests, calibrations. Quality, safety and environmental consultancy. Waste transport and disposal. Transport of finished and semi-finished pieces. Building and structural works, plant construction, supply and installation of equipment.