

Oil&Gas Alliance

Consortium of Companies
EPCI energy packages



Co-funded by
the European Union





EPCI PACKAGES SOLUTIONS

Allied italian companies for EPC engineering, contracting and construction integration

UNITS, SKIDS, MODULES

HVAC-R , E&I & CABINETS

ENGINEERING

PRESSURE VESSELS & HEAT TREATMENT

SPECIAL PIPING & PACKAGES

POWERGEN & CARBON CAPTURE & SEQUESTRATION PLANTS

We are the italian technology pool of engineering, construction and installation companies allied to serve the main global EPC Contractors worldwide, from FEED support to turnkey projects. 40 years integrated expertise to provide cutting-edge solutions in mechanical, electrical, HVAC, skids, piping package



EXPERTISE

Founded in 2017, the O&G Alliance membership serves the leading EPC Contractors and Oil companies worldwide

EPCI PACKAGE INTEGRATION

WORKSHOPS & CONSTRUCTION YARDS

ENGINEERING

PROCUREMENT

COMMISSIONING, INSTALLATION & START UP

Highly specialized Italian companies, partnering to provide construction and engineering integration and turnkey construction in piping packages, skids up to 30 meters and 200 tons, on-shore gas stations, pressure vessels and heat treatment special equipments, with 40 years of solid references in the O&G environments.

INTEGRATION: OFRA SRL
CONTRACTOR: HALDOR TOPSOE A.S

CLIENT: YPF – ARGENTINA DESCRIPTION: N.1 6000Nmc/h HTCR
Hydrogen production plant
Destination: Mendoza – Argentina Year: 2011
Activities: Detailed engineering, project management, procurement and construction (executed in JV with Benelli O&G)



HVAC PACKAGE INTEGRATOR in the HVAC-R, E&I,
hydraulic, tertiary and industrial systems.



SKIDS & PACKAGE INTEGRATOR for industrial systems
on Oil & Gas upstream stations, off-shore platforms,
chemical and petrochemical plants, refineries and power
plants.

Via della Fornace n.22, 48124 Ravenna
ITALY
WWW.CEMISPA.COM

Via del Trabaccolo, 10 (Porto S. Vitale) 48122 Ravenna
ITALY
WWW.OFRASLR.IT



Civil and industrial electrical and thermo-mechanical
plant engineering, industrial automation, hardware and
Software

Via Frisi, n.72 – 48124 Ravenna (RA)
ITALY
TEAM-ENGINEERING.IT / MEC-AUTOMATION.IT



Engineering Services for On-Shore and Off-Shore Oil
& Gas, Chemistry, Energy and Environment, Drilling
Skids & Packages.

Via Frisi, 72 48124 – Ravenna (RA)
ITALY
TECNOTEAMRA.IT

WORKSHOPS &

INSTALLATIONS



M OFFICINE S.R.L. - RAVENNA

Construction and assembly of skid packages, manufacturing of process equipment

Via Trieste, 253 – 48122 Ravenna (RA)
ITALY
DMOFFICINE.COM



Installation, Construction and assembly of skid packages, manufacturing of process equipment, itemized and special components

Zona Industriale, 3° strata CP 144 Gela Centro
ITALY
COSMI-SUD.COM



S&T Heat Exchanger
Tube Bundle
Pressure Equipment

Via delle Industrie 4/c, 24040, Lallio (BG),
ITALY
YAMASRL.COM



Construction and assembly of skid packages, manufacturing of process equipment, itemized and special components

Viale dell'Industria – 72021 Francavilla
Fontana (BR)
ITALY
WWW.MONTECHSRL.COM



Components in steel alloys with high nickel content, particularly suitable for high temperatures and corrosive environments

Via I Maggio – 26019, Vailate – Cremona
ITALY
NICROSPA.COM



Design and construction of process equipment, pressure equipment, plants and structural steelwork.

Via Sprina 6
12038 Savigliano (CN)
ITALY
WWW.MMCONSTRUCTION.IT

OVERALL CAPACITY

OVERALL YEARLY CAPABILITY	OVERALL CRANES CAPACITY	MECHANICAL ASSEMBLY WELDERS	HVAC-R / E&I SPECIALTY WORKFORCE	MECHANICAL E&I – HVAC-R ENGINEERING
500.000+	30+	77+	107+	50+
manhours yearly	cranes up to 300 Ton	internal welders	internal electricians	designers / engineers
PACKAGE COSTRUCTION YARDS	SINGLE PACAKGE CAPABILITY PER YARD	MEMBERS AGGREGATE TURNOVER	OVERALL ASSEMBLY AREAS	
8	25 m (L) x 9 m (W) x 13m (H) Weight 500 Ton	106+	30.000+	
		Mln € / Year turnovers	Sqm areas	

OIL & GAS ALLIANCE VALUE CHAIN			FINANCIAL TURNOVER	YARDS DATASHEET	CAPABILITY	CRANE CAPACITY	SKIDS & PLANT WORK FORCE	HVAC-R / E&I WORK FORCE	
OF.RA. S.r.l.	EPCI PACKAGE INTEGRATORS	GROUP INTEGRATOR SKIDS & PLANTS (Saipem Appro ved)	25 Mln €	8600 m2 areas / Skids 25m(L) x 9m(W) x 13m (H) - Weight 500 Ton / Harbour area without trtansport limitatio ns	Piping prefabrication: 150,000 Dia"/Year / Steel structure: 800 Ton/year	15 over head bridge cranes , up to 30 Ton/each capacity . Mobile cranes available up to 300 Ton capaci ty	10 welders	12 internal E&I profes sionals	
C.E.M.I. S.p.a.		GROUP INTEGRATOR HVAC-R / E&I SYSTEMS	25 Mln €	8000m2 covered area	25 Tons per yr / 230Kh's yr manhours	10/15/20 Tons	95 internal E&I professionals and electrician		
NICRO S.p.a.	SPECIAL CARPENTRY CRITICAL WELDING	HEAT TREATMENT, SCRUBBERS, EXCHANGERS, CRITICAL WELDING	10 Mln €		66k's yr manhour	7 electrical cranes double beam 6,3 Tons	26 welders		
DM OFFICINE s.r.l.		PIPING AND CARPENTRY (Saipem Appro ved)	4 Mln €	Size: 6mt x 6mt / 27mt x 9mt x H5mt / weight 25 tons	120k's yr manhours	Own 30 ton / rented 300 tons			
TECNOTEAM S.r.l.	ENGINEERING	PIPING, SKIDS, MECHANICAL (Saipem Appro ved)	1.5 Mln €	20 project, design and engineers					
TEAM ENGINEERING S.r.l		E&I & HVAC-R (Saipem Appro ved)	1.5 Mln €	20 project, design and engineers					
MEC AUTOMATION S.r.l.		AUTOMATION	1 Mln €	10 project, design and engineers					
MONTECH S.r.l.	PRESSURE VESSELS HEAT EXCHANGERS WORKSHOPS & INSTALLATION	PRESSURE VESSELS, EXCHANGERS	1,5 Mln €	27mt x 9mt x H5mt / weight: 25>80 ton	100 Ton per mouth / 10k's yr manhours	GRU 23 ton / 45 ton / CARROPONTE 6,5 to; 15 ton; 15 ton / 5 ton	20 welders		
YAMA S.r.l.		PRESSURE VESSELS, EXCHANGERS	2 Mln €	ø3mt - L 12mt - Weight 15Ton					5 Welders
MM CONSTRUCTION S.r.l.		INSTALLATION, WORKSHOP, PRESSURE VESSELS	6 Mln €	4000 m2 up to 10 mt with no handling limitation in external area (1000)					30 welders
COSMI SUD S.r.l		INSTALLATION & WROSKHOP	9 Mln €	High pressure valves, petrochem components					

UNITS, PLANTS & SKIDS

EPCI package contractor

- Welding processes, Steel structures, Boilers and pressure vessels
- Assembly and welding of carbon steel, stainless steel, inconel and alloy piping, superduplex steel, aluminium
- Prefabrication and assembly of units
- Structural frames for offshore and well drilling equipment
- Assembling system and general and specific machines
- On-offshore modules & packaged units construction and assembly
- Assembly and prefabrication of packaged units
- Platform & shelving steel structures
- Safety infrastructures and storage platforms
- On-site maintenance services



INTEGRATOR: OFRA SRL
CONTRACTOR: DAEWOO E&C

CLIENT: NAOC -
NIGERIA
DESCRIPTION: N.1
TEG Gas
dehydration package. Gas
flow rate 300MMSCF/d
Destination: Ogbainbiri
flowstation - Nigeria
Year: 2009
Activities: Detailed engineering, project
management, procurement and construction
(executed in JV with Benelli O&G)



ENGINEERING: TECNOTEAM SRL
CLIENT: KINGDOM OF BAHRAIN

Column and interconnecting at
Tatweer Petroleum / Central Gas Dehydration
Bahrain

INTEGRATOR: OFRA SRL
CONTRACTOR: Lewa – Nikkiso

CLIENT: Petrofac – Ithaca Proj.
DESCRIPTION:
Chemical Injection Package Destination: Stella Dev. Area –

North Sea Year: 2013
Activities: Project management, procurement and construction



INTEGRATOR: OFRA SRL
CONTRACTOR: GEA

CLIENT: Linde – Simplot LLC
DESCRIPTION:
Boil Off Unit-Ammonia Refrigeration plant
Destination: Rock Spring – WY - USA Year: 2015
Activities: Project management, procurement and construction



CONTRACTOR: UOP N.V.

CLIENT: Marathon Oil Co.

DESCRIPTION: Polysep Membrane Unit Destination:
Texas

Year: 2019-2020

Activities: Construction and assembly





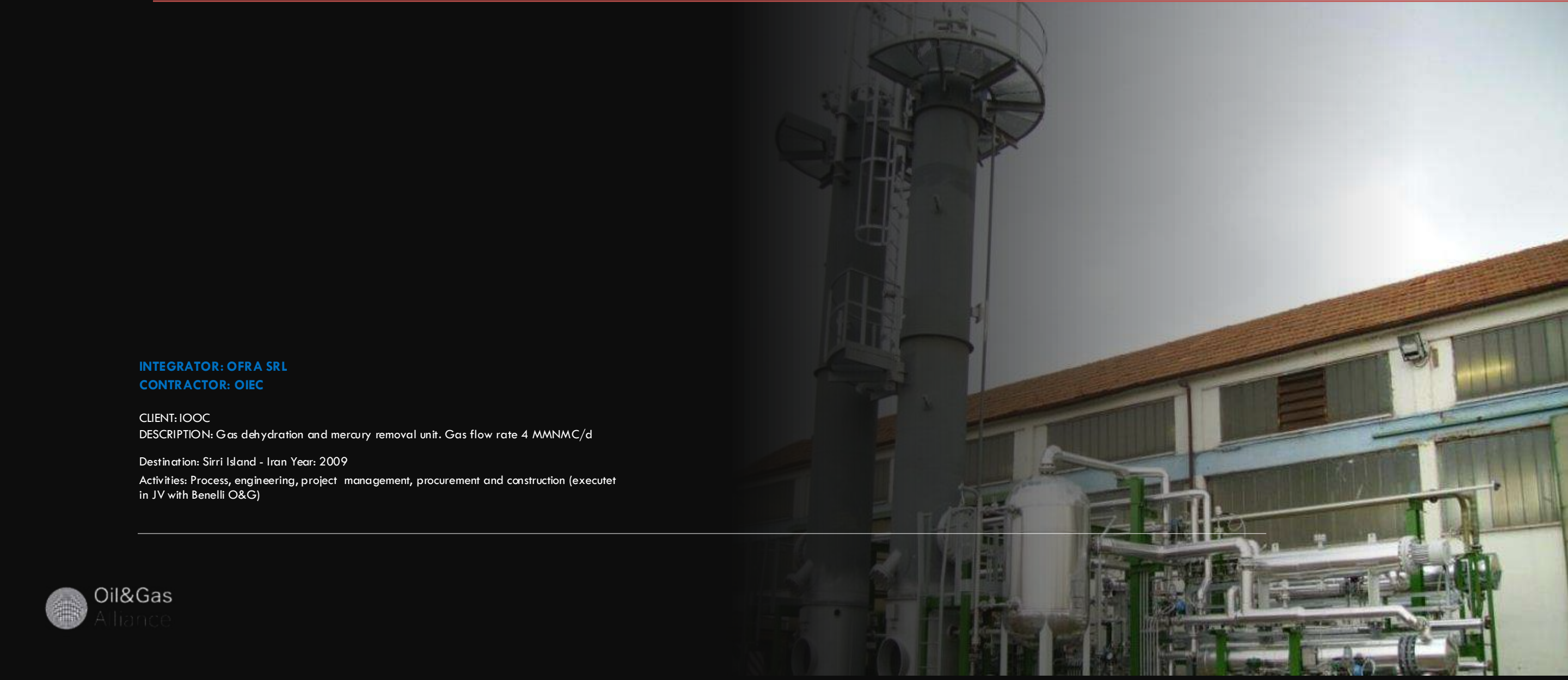
INTEGRATOR: OFRA SRL
CONTRACTOR: CHAGALESH

CLIENT: LAVAN REFINERY

DESCRIPTION: LPG molecular sieves dehydration package, with regeneration and separation system. Gas flow rate 8000Kg/h

Destination: Lavan Refinery - Iran Year: 2007

Activities: Process, engineering, project management, procurement and construction



INTEGRATOR: OFRA SRL
CONTRACTOR: OIEC

CLIENT: IOOC

DESCRIPTION: Gas dehydration and mercury removal unit. Gas flow rate 4 MMNMC/d

Destination: Sirri Island - Iran Year: 2009

Activities: Process, engineering, project management, procurement and construction (executed in JV with Benelli O&G)

INTEGRATOR: OFRA SRL
CONTRACTOR: PX LIMITED

skid "MEG Regeneration"
at Breagh Field – Teesside – UK



INTEGRATOR : OFRA SRL
CONTRACTOR: UOP LLC

CLIENT: Kiewit-National Grid
DESCRIPTION: 3bed Separsiv Uni
Destination: Rhode Island Year: 2020
Activities: Construction and assembly

INTEGRATION: OFRA SRL
CONTRACTOR: DAEWOO-FLUOR JV

CLIENT: SHELL NIGERIA

DESCRIPTION: N.2 TEG gas dehydration packages, composed contactors dia. 2.7 x h 10.7 m. thick. 100 mm, glycol regeneration package with electrical heaters, glycol pumps flow rate 19.400 kg/hr - Dew point 0°C @ 90 bara. - Gas flow rate 14.800.000 Sm3/day each

Destination: GBARAN UBIE - NIGERIA

Year: 2007

Activities: Engineering, project management, procurement and construction (JV with Benelli Ravenna S.p.A.)



ENGINEERING:
TECNOTEAM SRL

CONTRACTOR:
KINGDOM OF BAHREIN

Column and interconnecting at Tatweer Petroleum / Central Gas Dehydration





CONTRACTOR: Air
Liquide E&C

CLIENT: KNPC

DESCRIPTION:

Nitrogen Generation plant including
Cold Box and Warm skids

Destination: Kuwait

Year: 2017

Activities: Construction
and assembly



CONTRACTOR: ALAT

CLIENT: various

DESCRIPTION: Nr. 12 Turbo
Brayton Cryogenic systems for LNG

Destination: various

Year: 2018-2020

Activities: Construction and assembly

INTEGRATOR: OFRA SRL

CONTRACTOR: SADEMI -AIR LIQUIDE

CLIENT: ARLIQUIDO

Lda - Portugal

DESCRIPTION:

Process skids A an M for hydrogen production plant

Destination: Estarreja - Portugal

Year: 2008

Activities: Detailed engineering, project management,
procurement and construction



CONTRACTOR: UOP N.V
CLIENT: Marathon Oil Co

DESCRIPTION:

Polysep Membrane Unit
Destination: Texas Year: 2019-2020
Activities: Construction and assembly



CONTRACTOR: UOP N.V
CLIENT: KNPC

DESCRIPTION: 3x N2
treatment and PSA Unit
Destination: Kuwait Year: 2017
Activities: Construction and assembly



CONTRACTOR: Air Liquide E&C
CLIENT: Arcelor Mittal

DESCRIPTION: 8bed PSA unit
Destination: Gent - Belgium Year:
2020
Activities: Construction and
assembly



CONTRACTOR: UOP LLC

CLIENT: Pemex - Mexico

DESCRIPTION: 2 x 10 bed PSA + 6 bed PSA Valveskids

Destination: Refinería de Dos Bocas - Mexico

Year: 2021-22

Activities: Procurement, construction, assembly and testing



CONTRACTOR: Linde GmbH

CLIENT: RWE - Germany

DESCRIPTION: 20x Electrolysis Modules

Destination: Lingen - Germany

Year: 2023-24

Activities: Procurement, construction, assembly and testing

CONTRACTOR: Haldor Topsoe
A.S. CLIENT:

DESCRIPTION: 2 x eCOS Plants (CO production by electrolysis)
Destination: Delille Oxygen Co. Ohio Year: 2020
Activities: Engineering, construction and assembly



CONTRACTOR: UOP LLC
CLIENT: Pemex - Mexico

DESCRIPTION: 2 x 10bed PSA +
1 x 6bed PSA Valve skids
Destination: Refineria de Dos Bocas
- Mexico
Year: 2021-22
Activities: Procurement, construction,
assembly and testing

CONTRACTOR: UOP N.V.

CLIENT: Tednip- Lukoil
DESCRIPTION: Polysep
membrane system
Destination: Burgas refinery -
Bulgaria Year: 2013
Activities: Detailed engineering, project management,
procurement and construction



ENGINEERING

PROCESS ENGINEERING

CIVIL AND STRUCTURAL ENGINEERING

PIPING ENGINEERING

FIRE AND SAFETY ENGINEERING

MACHINERY AND EQUIPMENT ENGINEERING

LASER SCAN SURVEYS

ELECTRICAL-INSTRUMENTAL-AUTOMATION-PROTOTYPING ENGINEERING

STANDARDS AND SPECIFICATIONS

ELECTRICAL & INSTRUMENTAL ENGINEERING

THERMOMECHANICAL ENGINEERING

AUTOMATION

CLASSIFICATIONS | EVALUATIONS ATEX

FIRE PREVENTION

ENERGY CERTIFICATES

SUPPLY OF AUTOMATION PANELS

SYSTEM TESTING

ELECTROMEDICAL

PRE-COMMISSIONING | COMMISSIONING

SITE MANAGEMENT

PHOTOVOLTAIC PERFORMANCE

ENGINEERING: TECNOTEAM SRL

CLIENT: SOCAR

Drilling Offshore platform SOCAR AQS Caspian Sea



GDU Gas Dehydration Unit treatment plant

installed in the Persian Gulf - Manifa AH Crude Program on behalf of Saudi Arabian Oil Company.

ENGINEERING SERVICES

- Design, construction management and testing of civil and industrial works, technological systems, consultancy for piping, mechanical, P&ID, fire prevention, safety, assistance and training courses related to the aforementioned materials;
- Site management and project management activities;
- acquisition of maintenance and / or construction contracts for civil and industrial plants, to be managed through the use of third-party companies and / or suppliers.
- Industrial Mechanical and Electrical detailed engineering
- Automation for PLC&DCS, HMI, SCADA supervision systems;
- Construction of switchboard, automation control cabinet and installation E&I for skid or on-board machines;
- Commissioning.



Glycol Scrubber & TEG regen

Glycol treatment plant consisting of Glycol Contactor, eration installed on the FPSO SMART-1 - on behalf of AKER FLOATING PRODUCTION.

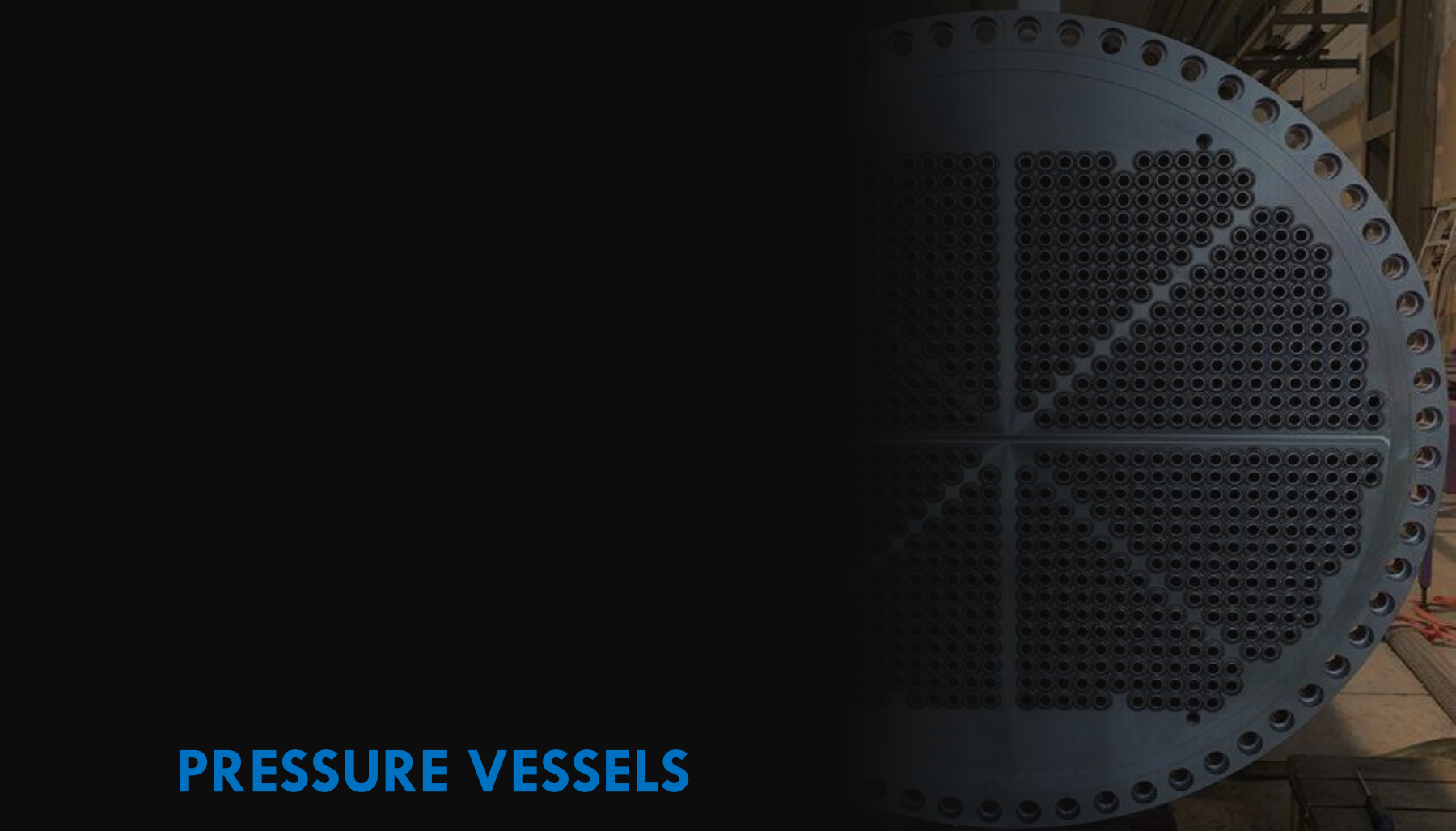
Gas Dehydration and Condensation Plant
and related interconnections Booster Station BS-131 Kuwait -
KOC Kuwait Oil Company.



ENGINEERING:
TECNOTEAM SRL

CLIENT: AGIP

Living deck, Heli platform, Mud Mats,
Piles Sleeves and Grouting Syste
AGIP Lybia



PRESSURE VESSELS

**COLUMNS
REACTORS
HEAT EXCHANGERS**

Pressure equipment for process industries such as Oil & Gas, Chemical, Petrochemical and Pharmaceutical.



DIAMETER

Up to 3 mt.

LENGTH

Up to 14 mt.

WEIGHT

Up to 15 Tons

STAINLESS STEEL

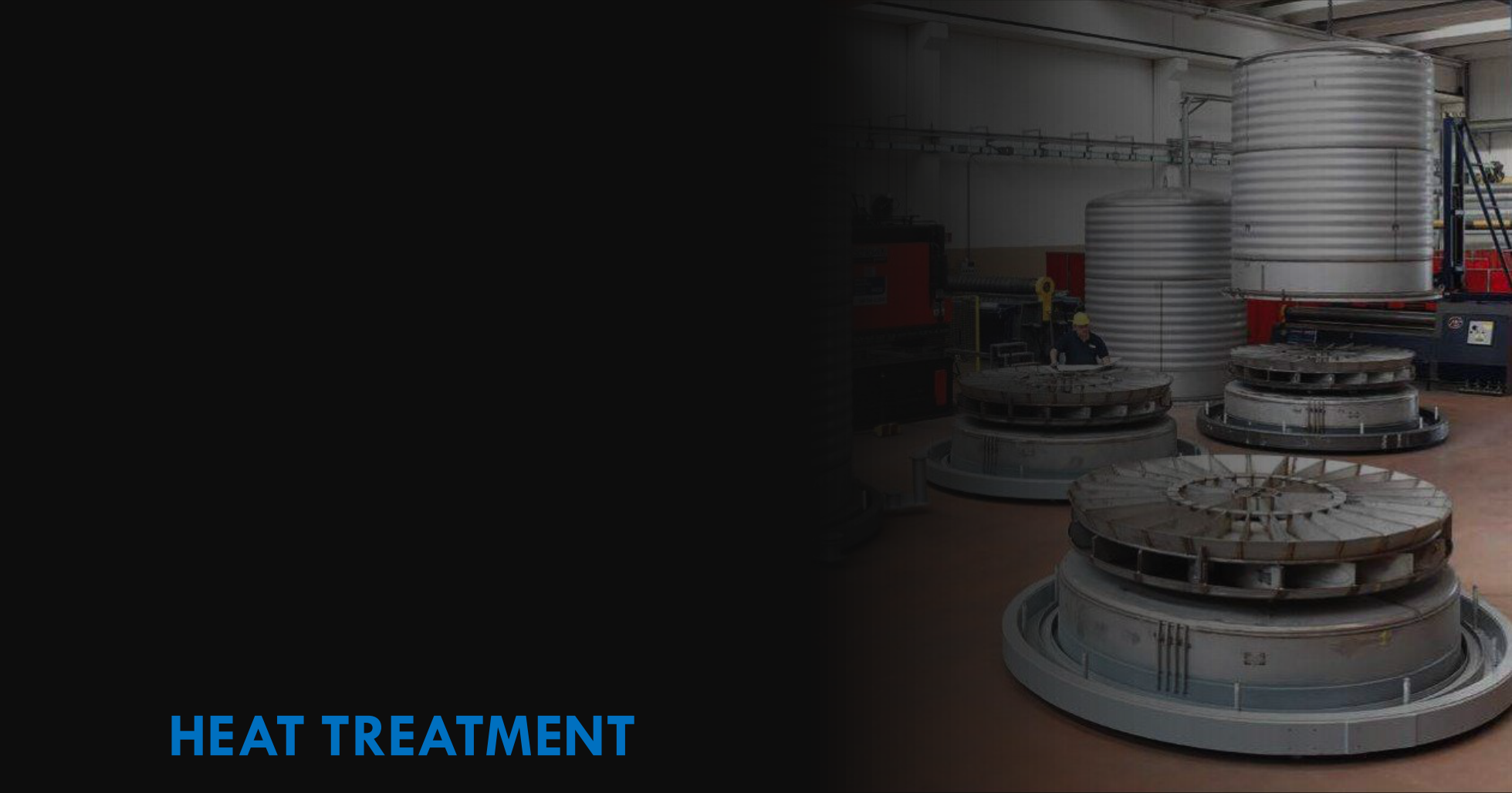
SS304/L
SS316/L
SS316
SS321
Alloy 904L
Duplex S32205, S31803
Super Duplex S32750

NICKEL ALLOYS

Hastelloy C-22 (N06022) Inconel 625
(N06625)
Incoloy 800 - 825 (N08800 & N08825)
Sanicro 28 (N08028)

CARBON STEEL

CS
CS + Cladding



HEAT TREATMENT

FLARES SCRUBBERS FURNACE EQUIPMENTS

Heat treatment& furnaces

Over 40 years in the development of steel alloys components with high nickel content, suitable for high temperatures and corrosive environments

Marine scrubbers

These systems are specifically designed to remove SOx (sulphur oxides), in order to control the emissions of the various pollutants in the air and in water and to help lower the levels of sulphur dioxide, hydrocarbons, heavy metals, carbon dioxide, soot and ash.



Flares

Made of special steel, the flare is used to burn waste gases of the production process

Radiant tubes

Inside the structure, Nicro has advanced pressing/ bending machines, three different laser-cutting machines, and equipment for assembly and automated welding. As a result, the company has full control of its production without having to outsource any process.





CUTTING-EDGE WELDING EQUIPMENTS

WE ARE SPECIALIZED IN MANUFACTURING TAILORED MADE PRODUCTS FOR EACH INDIVIDUAL CUSTOMER AND TYPE OF PRODUCTION: FROM PROTOTYPING, CONSTRUCTION DRAWING, OR THROUGH REVERSE ENGINEERING, BASING ON THE PHYSICAL USED COMPONENT.

PLASMA CUTTING

2D AND 3D LASER

PRESSES

ROLL CALENDERING MACHINES

WELDING BENCH

WELDING BEAM MACHINE

WELDING ROBOTS

FORCE TIG ROBOTIC WELDING

ORBITAL WELDING MACHINES



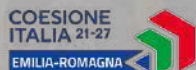
Allied italian companies for EPC engineering, contracting and construction integration

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