



COMPANY PROFILE

ISO 9001
ISO 45001
ISO 3834-2
BUREAU VERITAS
Certification





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1. MISSION

Since over 60 years we successfully deal with pressure vessels construction and plant erection, maintenance and revamping worldwide.

We work to improve and raise the level of competence in accordance with our values oriented to social responsibility, business ethics and environmental sustainability.

2. VISION

Our main goal is to increase work safety, improving the productive processes and anticipating technological innovation, in order to offer the best service on the market.



It is not the strongest of the species that survives, nor the most intelligent that survives. It is the one that is the most adapt to change.

C. Darwin



3. THE STORY

In 1962 Mr. Roberto Liguori, after several years of experience in the chemical business in the USA followed by three years as managing Director of the US Rubber Rumianca plant of Borgaro Torinese, decided to start his own business founding COSMIN SpA. The aim of the company at that time was to provide services and supplies to all industries growing up in Sardinia in those years. All major chemical and petroleum industries were in fact opening new production sites in this geographical area due to the government incentives for the development of southern Italy. In this contest there was a great demand for subcontractors in all construction fields.

Cosmin started its activity with the construction and site erection of steel structures, employing skilled workforce brought from the north of Italy; many of them soon settled permanently in Sardinia. Very quickly, beside this activity, Cosmin got the skills to manufacture pressure vessels and S&T type heat exchangers; at the same time COSMIN completed its offer providing its clients with specialized workers covering all skills necessary for the prefabrication and erection of industrial plants. Under the thrust of a powerful work demand, COSMIN soon grew up considerably arriving, in those days, to have over 500 people on its payroll.

The great variety of the works performed for various clients allowed Cosmin to develop new skills and technologies which still today represent the precious company know-how.

Since 1989 Stefano and Simona Liguori, the second generation of Cosmin, joined the company and, together with their father, were involved respectively in the technical and administration areas. Upon their arrival, the company evolved technically, improved its organization and introduced CAD CAM technologies.





4. THE PRESENT

COSMIN currently provides high technology supplies and services to major clients within Europe. With sixty years of know-how in this business, Cosmin is proud to offer to its clients a unique and invaluable know how: a specialized group of engineers, technicians and skilled workers are available to solve any kind of problem concerning the installation and/or maintenance of industrial plants and their components.

The U and S ASME stamps, which guarantee the capability to operate within the ASME (American Society of Mechanical Engineers) codes, represent COSMIN's passport to approach new international markets. The challenge for the years to come is to enter in new overseas markets and share COSMIN's know-how with new international clients operating in the fields which historically have represented its benchmark for the past 60 years and precisely:

- Chemical
- Petrochemical
- Oil and gas
- Power generation
- Environmental Services

5. COSMIN IN NUMBERS

60 YEARS OF ACTIVITY
120 DIRECT FULL TIME EMPLOYEES
> 600 PLANT TURNAROUNDS

6. COMPANY ORGANIZATION

COSMIN team can develop over 200.000 hours/year between services and shop construction. Joint ventures with local companies are normally performed to reduce logistic costs.

Our organization is job based, therefore the same group of people are involved in a single job/client at each time; their involvement starts with the bid and terminates with the start up/delivery of the units/products. In this way, all clients' specific requirements are carefully fulfilled with benefit for both the client and our organization.



7. OUR PREMISES

COSMIN's Headquarters are settled in Capoterra (Ca) Località La Maddalena Spiaggia Italy.

Both the Commercial and Administrative offices and the workshop insist in this location over a proprietary area of 26.000 sqm.





8. THE TWO DIVISIONS

Cosmin is currently operating through two separate but interlinked divisions: **Construction Division** and **Field Division**. The two divisions can work separately or together depending on our client's needs.

The Construction Division is involved in the supply of cabled skids, pressure vessels, heat exchangers, reactors, towers and FCC components such as flue gas lines, internal distributors, air grids, risers, wye pieces, cyclons, dip legs, catalyst cooler, in carbon steel, stainless steel, low alloy steel, duplex steels and non ferrous materials such as Nickel Alloys.

The Field Division is involved in the construction, revamping and maintenance of industrial plants.

Rather than issuing separate bids for the construction of plant components and for their installation/maintenance on site, our clients are moving towards a combination of these activities under a unique job. For this reason, COSMIN over the years has developed an interdisciplinary organization capable to face complex and more structured jobs to fulfill all clients' needs.

COSMIN capability to operate in synergy with the two Divisions derives from more than 60 years of continuous activity in both fields and represents today its greatest asset confirmed by an ever-growing appreciation by its clients, year after year.

In a context where plant turnarounds times are getting shorter and shorter, two are the options which COSMIN can offer:

- Skid construction: to reduce the installation time and the uncertainties normally related to the traditional methodology for plant construction.
- Complex job: Synergy between construction and installation activities under a single contract to reduce lead times and coordination problems.

In both cases COSMIN can provide a wide number of references of jobs carried out with clients' satisfaction over the years.

9. QUALITY SYSTEM

We observe the highest safety and quality standards in all our activities and we constantly invest resources in order to improve our performances.

The conformity of our products to the applicable contractual norms has assured by specific company certifications with major Third Party Agencies.

CERTIFICATIONS

ISO 9001:2015

EN 1090-1-2009

UNI EN ISO 3834-2:2006

ISO 45001:2018



10. OUR CLIENTS

COSMIN has successfully got through the most stringent qualification procedures, obtaining recognition from companies such as: ENI, ENEL, AIR LIQUIDE, SASOL, TAMOIL, LUKOIL, SARAS, FLUORSID, FINCANTIERI and many others.

Our main clients are:

- Abbanoa Spa
- Air Liquide Spa
- Balke-Dürr Rothemühle
- Demont Srl
- Enel Spa
- Eni Spa
- EP Produzione Spa
- Exxon Mobil
- Rusal Eurallumina
- Fincantieri Spa
- Fluorsid Spa
- Isab Srl (Lukoil Group)
- Ital Gas Storage
- Linde AG
- MAN Energy Solution
- Matrica Spa
- Maire Tecnimont Spa
- Petrojet
- Portovesme Srl
- Rina Spa
- Saipem Spa
- Saras Spa
- Sasol Italy Spa
- Sigemi Srl
- Sonatrach Raffineria Italiana
- Sotacarbo Spa
- Tamoil Italia
- Techint
- Versalis Spa
- Wood PLC



11. THE CISA CONSORTIUM

The workload in our activity significantly changes during each year and from year to year, therefore it is very difficult to effectively balance the resources meeting the client satisfaction. For this reason, in 1989 COSMIN created the CISA Consortium with the aim to gain more flexibility. A group of small but well specialized companies, among which COSMIN plays a pivotal role, joined the consortium creating a network capable to combine extreme flexibility with quality excellence.

The CISA consortium soon became appreciated by all COSMIN clients and grew up, year after year, both in strength and number of resources, counting over 300 people in the mechanical construction field only.

Our clients immediately appreciated the CISA consortium and the variety of services offered, ranging from in-shop construction of pressure vessels, heat exchangers, towers and reactors to the plant installation and maintenance up to the high complexity plant revamping (such as the revamping of FCC plants), which involves heavy lifting, special construction materials and refractory installations. A group of highly skilled technicians together with well-selected and trained work forces has soon become our strength.

The success was so great that some clients required to widen the range of our offer, involving companies with specific expertise critical in the success of a complex job. At present, within the consortium we have engineering capabilities (SOPLANT Milano) and skills in desludging and high-pressure water cleaning (EFFEGI Milano).

Soplant provides the Consortium with the specific features of an engineering company, with procurement and management know-how within complex multidisciplinary plants.

EFFEGI provides the Consortium with specialistic desludging and high-pressure water cleaning which may be critical during turnarounds within complex multidisciplinary jobs.

Other complementary activities, such as Electric and Instrumentation works, Scaffolding, Painting, Refractory application, etc, are subcontracted to well-known companies which belong to the CISA network.

The appreciation of our work has grown considerably over the years, as proven by the increasing turnover.

Currently the group has 37 between engineers and skilled technicians and a workforce of 150 highly skilled workers.



CISA today can offer its clients EPC services in the Oil & Gas field, can supply pressure equipments and can erect, revamp and maintain complex industrial plants as well as provide specialist services such as high-pressure water cleaning, plant reclaiming and decommissioning.





ANNEX 1

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PARTE 2 / PART 2

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- 1.DATI DELLO STABILIMENTO / *PLANT INFORMATION*
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- 3.PRODOTTI / *PRODUCTS*



1.12. PRINCIPALI PRODOTTI E SETTORI / MAIN PRODUCTS AND SECTORS

a) Prodotti / Products

Apparecchiature per impianti FCC, loro componenti e linee di processo ad essi collegati.

Apparecchi a pressione (scambiatori di calore S&T, skid cablati, serbatoi di stoccaggio, colonne).

Soluzioni EPC e impianti chiavi in mano.

Costruzione e manutenzione di impianti industriali.

Equipment for FCC units and their components and connected process lines.

Pressure equipment (pressure vessels, S&T heat exchangers, cabled skids, storage tanks, towers).

EPC solutions and turnkey projects.

Erection and maintenance of industrial plants.

b) Settori / Sectors

Chimico, Petrochimico, Centrali petrolifere, Comparto energetico.

Chemical, petrochemical, petroleum industry, power station.

1.13. PROGETTAZIONE / DESIGN

Prodotti costruiti con progetto Cosmin secondo i codici EN, ISPEL, VSR/VSG e ASME

Products manufactured on COSMIN design according to EN, ISPEL VSR/VSG and ASME codes

1.14. NORMATIVE E STANDARDS / CODES AND STANDARDS

EN, ASME, TEMA, ANSI, API, ISPEL, CODAP

1.15. MATERIALI / MATERIALS

Acciaio al carbonio, acciai inossidabili, leghe di nickel, ammiragliato

Carbon steel, stainless steel, Nickel alloys, Admiralty brass



2. DATI FINANZIARI / *FINANCIAL INFORMATION*

2.1 **CAPITALE SOCIALE / *SHARE CAPITAL***

Interamente versato / *Paid-up*: 400.000,00 €

COMPOSIZIONE DEL CAPITALE SOCIALE (% dei soci principali) / *SHARE CAPITAL COMPOSITION (main partners' %)*

Ing. Stefano Liguori 50,5% - Dott.ssa Simona Liguori 49,5%

2.2. **RELAZIONI FINANZIARIE CON ALTRE SOCIETA' / *FINANCIAL DEALINGS WITH OTHER COMPANIES***

Partecipazione in altre Società / *Participation in other companies*:

CONSORZIO CISA - Via Bacone 4 – 09134 CAGLIARI

2.3. **REFERENZE BANCARIE / *BANK REFERENCES***

BNL (Gruppo BNP Paribas)	Branch of Cagliari	Ph. +39 070.6002691
INTESA SAN PAOLO	Branch of Cagliari	Ph. +39 070.6654111

3. DATI ECONOMICI / *ECONOMIC INFORMATION*

3.1 **ORGANICO DELL'AZIENDA / *COMPANY PERSONNEL***

	2020	2021
MEDIA DIPENDENTI		
<i>AVERAGE OF EMPLOYEES</i>	121	103

	2022
STAFF DIRETTIVO <i>MANAGEMENT</i>	2
IMPIEGATI <i>EMPLOYEES</i>	19
OPERAI <i>WORKERS</i>	97



Suddivisione per funzioni principali (n° addetti)

Subdivision according to the main functions (no. of employees)

AMMINISTRAZIONE/PERSONALE ADMINISTRATION/HR	8
COMMERCIALE MARKETING	2
PROGETTAZIONE E INGEGNERIA DESIGN AND ENGINEERING	3
ACQUISTI PURCHASING	1
PREVENZIONE E PROTEZIONE HEALTH & SAFETY	2
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FABBRICAZIONE MANUFACTURING	24
MONTAGGI / MANUTENZIONI ERECTION/MAINTENANCE	73

3.2 FATTURATO DEGLI ULTIMI 3 ANNI / *TURNOVER FOR THE LAST 3 YEARS*

2019	2020	2021
13.32 M€	12.23 M€	7.25 M€

3.3 POTENZIALITA' AZIENDALE / *BUSINESS POTENTIAL*

Potenzialità di fornitura annua / *Annual supply capacity* : 20.000/40.000 hr/month

Taglia ottimale forniture / *Optimum supply quantity* : 2.5 to 5 Mil €



3.4 ELENCO REFERENZE PRINCIPALI E PIÙ SIGNIFICATIVE FORNITURE
LIST OF MAIN REFERENCES AND MOST SIGNIFICANT SUPPLIES

Cliente <i>Client</i>	Impianto <i>Plant</i>	Fornitura <i>Supply</i>	Anno <i>Year</i>	Materiali <i>Materials</i>
LINDE AG	HDS-SARAS	VESSELS	1995	SA516 70
LINDE AG	HDS-MILAZZO	VESSELS	1996	SA516 70
LINDE AG	H2 MILAZZO	VESSELS	1996	SA516 70
ZIEMANN S.A.	SAMSUNG-S.COREA	VESSELS	1996	SA387 Gr 11
ZIEMANN S.A.	SSANGJONG-S.COREA	VESSELS	1996	SA387 Gr 11
ENICHEM	IGCC - PRIOLO	HEAT EXCHANGERS	1996	SAF 2205
ENICHEM	IGCC - PRIOLO	HEAT EXCHANGERS	1996	SAF 2507
LINDE AG	H2 JAMNAGAR	VESSELS	1997	SA516 70
ENICHEM	TRIPER ASSEMINI	REACTORS	1997	INCONEL 600
SNAMPROGETTI	IGCC-SARROCH	COLUMNS	1997	SA516 70
SARAS	FCC-SARROCH	SEPARATOR	1998	TP304H
SARAS	FLARE-SARROCH	VESSELS	1998	SA516 70
ENICHEM	XILOLI - SARROCH	VESSELS	1998	UNS08904
SARAS	T2 SARROCH	COLUMNS	1999	SA516 70
SARAS	FCC SARROCH	COLUMNS	1999	SA516 70
NESTE OY	ET SARROCH	VESSELS	1999	SA516 70
SARAS	SWS SARROCH	COLUMNS	1999	254 SMO
LINDE AG	H2 CHALAMPE	VESSELS	1999	SA516 70
LINDE AG	H2 BUDAPEST	VESSELS	1999	SA516 70
ENICHEM	PORTO TORRES	HEAT EXCHANGERS	1997	SA516 70
ENICHEM P/M	PORTO MARGHERA	HEAT EXCHANGERS	1997	SA516 70
SNAMPROGETTI	PETROCH.-PLOCK	HEAT EXCHANGERS	1997	SA516 70
SNAMPROGETTI	IGCC-PRIOLO	HEAT EXCHANGERS	1997	SA516 70
SNAMPROGETTI	IGCC-SARLUX	HEAT EXCHANGERS	1998	SA516 70
LURGHI	IGCC-SARLUX	HEAT EXCHANGERS	1998	SA516 70
SNAMPROGETTI	UREA-ARGENTINA	HEAT EXCHANGERS	1999	CS+W0304L
PARSONS	MHC-SARROCH	HEAT EXCHANGERS	1999	SA516 70
SARAS	T2 SARROCH	COLUMN	1999	CS+W0316L
LINDE AG	H2S-MILAZZO	CABLE SKIDS	1997	SA106 GR B
LINDE AG	H2-MILAZZO	CABLE SKIDS	1997	SA106 GR B
PACKINOX	AGIP-LIVORNO	PLATE HEAT EXCHANGER	2000	SA516 70
SARAS	SARROCH	HIGH PRESSURE PIPING	2000	SA516 70
SARAS	SARROCH	FCC HEAT EXCHANGERS	2000	SA516 70
PENTROPIE-EDF	PORT SAID	DESALINATION PLANTS	2001	SA516 70
PACKINOX	ENI SARROCH	PLATE HEAT EXCHANGER	2001	SA387 Gr 11
LINDE	ENI PTO. MARGH.	CABLED SKID	2001	SA106 GR B
LINDE	STATOIL DK	CABLED SKID	2001	SA106 GR B
FLUORSID	ASSEMINI	PRESSURE VESSEL	2001	ZECOR
BALKE DURR	ITALIA	PLATE HEAT EXCHANGER	2001	SA516 70
BALKE DURR	ITALIA	PLATE HEAT EXCHANGER	2001	SA516 70
SARAS	SARROCH	SPECIAL HEAT EXCHANGER	2002	SA516 70
SARAS	SARROCH	S&T HEAT EXCHANGER	2002	SA516 70
SARAS	SARROCH	S&T HEAT EXCHANGER	2002	SA516 70
LINDE AG	HDS-MARUN IRAN	CABLE SKID	2002	SA106 GR B
SARAS	SARROCH	VESSELS	2002	SA516 70



Cliente Client	Impianto Plant	Fornitura Supply	Anno Year	Materiali Materials
LINDE AG	MOTOR OIL TRECATE	VESSELS	2003	SA516 70
SARAS	SARROCH	FCC REACTOR CYCLONES	2003	TP304H
SARAS	SARROCH	FCC REACTOR WYE SECTION	2003	SA516 70
SARAS	SARROCH	FCC REACTOR INTERNAL RISER	2003	SA387 Gr 11
SARAS	SARROCH	COLOUMN	2003	254 SMO
SARAS	SARROCH	S&T HEAT EXCHANGER	2003	SA516 70
LINDE AG	HDS-ASALUYE 9	CABLE SKID	2003	SA106 GR B
LINDE AG	MOTOR OIL TRECATE	CABLE SKID	2004	SA106 GR B
LINDE AG	MOTOR OIL CORINTO	CABLE SKID	2004	SA106 GR B
SARAS	SARROCH	S&T HEAT EXCHANGER	2004	SA516 70
SARAS	SARROCH	S&T HEAT EXCHANGER	2004	SA516 70
SARAS	SARROCH	S&T HEAT EXCHANGER	2004	SA516 70
SARAS	SARROCH	S&T HEAT EXCHANGER	2004	SA516 70
SARLUX	SARROCH	COLOUMNS	2004	C276
SARAS	SARROCH	VESSELS	2005	SA516 70
POLIMERI EUROPA	SARROCH	VESSELS	2005	SA516 70
DOW CHMICAL	OTTANA	REACTOR	2005	P460NH+321
LINDE AG	H2-LONG LAKE	CABLE SKID	2005	SA106 GR B
DOW CHMICAL	OTTANA	S&T HEAT EXCHANGER	2006	TP 316L
POLIMERI EUROPA	SARROCH	S&T HEAT EXCHANGER	2006	SA516 70
DOW CHMICAL	OTTANA	S&T HEAT EXCHANGER	2006	TP 316L
SYNDIAL	ASSEMINI	S&T HEAT EXCHANGER	2006	SA516 70
UOP SA	BELGIUM	VESSELS	2006	SA516 70
SARAS	SARROCH	COLOUMNS	2007	SA516 70
SARAS	SARROCH	COLOUMNS	2007	SAF 2507
SARLUX	SARROCH	S&T HEAT EXCHANGER	2007	SA516 70
SARLUX	SARROCH	S&T HEAT EXCHANGER	2008	SA516 70
SARAS	SARROCH	S&T HEAT EXCHANGER	2008	SA387 GR5
SARAS	SARROCH	FCC REACTOR INTERNAL RISER	2008	SA516 70
SARAS	SARROCH	FCC REACTOR EXT. RISER	2008	SA516 70
SARAS	SARROCH	FCC REACTOR WYE SECTION	2008	SA516 70
SYNDIAL	ASSEMINI	S&T HEAT EXCHANGER	2009	SA516 70
SARAS	SARROCH	GPL STORAGEEW TANK	2009	P275 NL2
LINDE AG	H2-CAGLIARI	VESSELS	2010	SA516 70
SARAS	SARROCH	CHIMNEY	2010	SA516 70
SARAS	SARROCH	FINNED TUBE HEXCHANGER	2010	SA516 70
SYNDIAL	ASSEMINI	S&T HEAT EXCHANGER	2010	SA516 70
SYNDIAL	ASSEMINI	S&T HEAT EXCHANGER	2011	SA516 70
SARAS	SARROCH	KLAUS COMB. CHAMBER	2011	SA516 70
SARAS	SARROCH	FINNED TUBE HEXCHANGER	2011	SA516 70
SARAS	SARROCH	VESSELS	2011	SA516 70
LINDE AG	H2-COAZACOALCOS	VESSELS	2012	SA516 70
SARAS	SARROCH	CHIMNEY	2012	SA516 70
SARAS	SARROCH	S&T HEAT EXCHANGER	2012	SA516 70
SYNDIAL	ASSEMINI	S&T HEAT EXCHANGER	2012	SA51670
SARAS	SARROCH	CHANNELS HP	2012	INCONEL625
SYNDIAL	ASSEMINI	NEW 12" SODA LINE	2013	TP 304
LINDE AG	SYZLAN	VESSELS	2013	SA51670
LINDE AG	KUIBYCHEV	VESSELS	2013	SA51670



Cliente Client	Impianto Plant	Fornitura Supply	Anno Year	Materiali Materials
SARAS	SARROCH	CATALYST COOLER	2013	SA51670
SARAS	SARROCH	NEW 54" FLUE GAS LINE	2013	TP304H
SARAS	SARROCH	FCC WYE SECTION	2013	SA51670
SARAS	SARROCH	FCC REACTOR VAPOR LINE	2013	SA387 Gr 11
LINDE AG	SOHAR (OMAN)	VALVE SKID	2015	SA106 GR B
SARAS	SARROCH	HEAT EXCHANGER	2015	SA51670
SARAS	SARROCH	VESSEL HF SERVICE	2015	SA516 70
SARAS	SARROCH	HEAT EXCHANGER	2015	SA516 70
SARDEGNA RICERCHE	CAGLIARI	HEAT EXCHANGER	2015	TP304
SARAS	SARROCH	VESSEL H2S SERVICE	2015	SA51670
SARAS	SARROCH	KLAUS COMB. CHAMBER	2015	SA51670
SARAS	SARROCH	SULPHUR CONDENSERS	2016	SA51670
SARAS	SARROCH	T1 VAPOR LINE	2016	254 SMO
SARAS	SARROCH	SULPHUR DRUM	2016	SA51670
EP	PORTO TORRES	FUEL OIL TANK	2016	SA51670
SARAS	SARROCH	GPL VESSEL H2S SERVICE	2016	P355 NH
ENI	LIVORNO	TUBE BUNDLES	2016	A 179
ENI	MANTOVA	HEAT EXCHANGERS	2016	SS 316L
SARLUX	SARROCH	COMPRESSOR DUMPER	2016	P 355 NH
SARLUX	SARROCH	COLOUMN HEAD	2016	P 355 NH
SARLUX	SARROCH	COLOUMN HEAD	2016	P 355 NH
ENI	PORTO MARGHERA	PRESSURE VESSELS	2016	A 516 70
FLUORSID	ASSEMINI	ROTATING GENERATORS	2016	S 235 JR
SARLUX	SARROCH	TUBE BUNDLES	2016	A 179
SARLUX	SARROCH	FILTER	2016	MONEL
ENI	PRIOLO	HEAT EXCHANGER	2016	A 516 70
ENI	RAGUSA	HP HEAT EXCHANGER	2016	A 516 70
SARLUX	SARROCH	HEAT EXCHANGERS	2017	A 516 70
SARLUX	SARROCH	PRESSURE VESSELS	2017	A 516 70
SARLUX	SARROCH	COLOUMN	2017	A 516 70
ENI	MANTOVA	HEAT EXCHANGERS	2017	A 516 70
SARLUX	SARROCH	HEAT EXCHANGERS	2017	A 516 70
LINDE	MUNICH	PRESSURE VESSELS	2017	A 516 70
SARLUX	SARROCH	HP TUBE BUNDLES	2017	A 387/11
SASOL	SARROCH	TUBE BUNDLES	2017	SA 179
ENI	PRIOLO GARGALLO	TUBE BUNDLES	2017	SA 179
LINDE	GELA	PSA ADSORBERS&TAIL GAS DRUM	2017	SA 516-70
ASTALDI	CARBONIA	WATER PIPES	2017	S 275 JR
ISAB - LUKOIL	PRIOLO GARGALLO	TUBE BUNDLES AND FLOATING	2018	SA 179
ESSO	AUGUSTA	FLUE GAS LINE	2018	SA240 TP 304 H
SARLUX	SARROCH	K1-R1 REGENERATOR TOP HEAD	2018	SA 516-70
SARLUX	SARROCH	CHIMNEYS	2018	S 275 JR
SARLUX	SARROCH	TUBE BUNDLES	2018	SA 179
SASOL	SARROCH	HEAT EXCHANGERS AND TUBE BUNDLES	2018	SA 179
ENI	SANNAZZARO	HEAT EXCHANGER	2018	SA 179
SARLUX	SARROCH	COLOUMN AND VESSEL	2018	SA 516-70



Cliente Client	Impianto Plant	Fornitura Supply	Anno Year	Materiali Materials
SARLUX	SARROCH	FIRE PREVENTION SYSTEM	2018	A 106 Gr B
ASTALDI	SARROCH	DAM PIPES	2018	S 275 JR
SARLUX	SARROCH	MOORING POLE	2018	P355 NH
FLUORSID	ASSEMINI	GENERATOR	2018	S 275 JR
ISAB	PRIOLO	DISTRIBUTORS FOR HEAT	2019	NAVAL BRASS
SARLUX	SARROCH	CHIMNEYS FOR T2 FOURNACES	2019	A 516 70
SASOL	AUGUSTA	HEAT EXCHANGERS	2019	A 516 70
ENI	SANNAZZARO	EVAPORATOR	2019	A 516 70
PORTOVESME	PORTOVESME	FURNACE TOP HEAD	2019	S 275 JR
SARLUX	SARROCH	ACCUMULATOR FOR ALKYLATION PLANT	2020	A 516 70
SARLUX	SARROCH	COLOUMN FOR ALKYLATION	2020	A 516 70
SARLUX	SARROCH	FCC K1-R1 REGENERATOR	2020	A 516 70
ISAB	PRIOLO	AIR COOLERS	2020	A 516 70
ENI	SANNAZZARO	REFRIGERANT HEAT EXCHANGERS	2021	A 516 60
SARAS	SARROCH	QUENCH RINGS	2021	INCOLOY 825
ENI	LIVORNO	TUBE BUNDLES AND FLOATING HEADS	2021	P235 GH
VERSALIS	RAGUSA	REFRIGERANT HEAT EXCHANGER	2021	P355 NH
SASOL	SARROCH	VESSEL	2021	A106 Gr B
FLUORSID	ASSEMINI	COMPLETE HF GENERATOR	2021	P275 NH
FLUORSID	ASSEMINI	GAS-GAS HEAT EXCHANGERS	2021	A 516 70
FLUORSID	ASSEMINI	TUBE BUNDLE	2021	AISI 310S
ENI	LIVORNO	TUBE BUNDLES AND FLOATING HEADS	2021	A 179



3.5 ELENCO REFERENZE PRINCIPALI E PIÙ SIGNIFICATIVE CONTRATTI
LIST OF MAIN REFERENCES AND MOST SIGNIFICANT CONTRACTS

Cliente Client	Impianto Plant	Oggetto del contratto Subject of the contract	Anno Year
TECNIMONT	PIO PLANT-SARROCH	MECHANICAL ERECTION	1992
ENEL	ELECTROFILTER-S.GILLA	DEMOLITION	1995
ENEL	70 KV-MONTE ORO	DEMOLITION	1995
ENICHEM	MERCURY CELL-ASSEMINI	DEMOLITION	1996
ENEL	150 KV-ASSEMINI	DEMOLITION	1996
SARAS	HDS-SARROCH	MECHANICAL ERECTION	1996
INTERMARE SARDA	FPSO FIRENZE-ARBATAX	MECHANICAL ERECTION	1997
SARAS	FCC-CCR-TOPPING-SARROCH	REVAMPING	1997
PARSONS	MHC-SARROCH	TIE-INS	1999
NUOVO PIGNONE	U701-702-703-SARROCH	MECHANICAL ERECTION	2000
SARAS	IGCC-SARROCH	DEMOLITION	2000
SARAS	TOPPING 2-SARROCH	REVAMPING OF FURNACE	2001
TECHNIP	GPL TANKS-SARROCH	REVAMPING OF STORAGE TANKS	2002
SARAS	CCR-T1-V1-SARROCH	SHUT DOWN MAINENANCE	2002
ENICHEM	ASSEMINI	GENERAL MAINTENANCE	2002
POLIMERI EUROPA	SARROCH	GENERAL MAINTENANCE	2002
SARLUX	SARROCH	GENERAL MAINTENANCE	2002
SARAS	SARROCH	GENERAL MAINTENANCE	2002
SARAS	VARIOUS-SARROCH	SHUT DOWN MAINENANCE	2003
SARAS	FIRE FIGHTING SYS.-SARROCH	REVAMPING	2003
ENICHEM	ASSEMINI	GENERAL MAINTENANCE	2003
POLIMERI EUROPA	SARROCH	GENERAL MAINTENANCE	2003
SARLUX	SARROCH	GENERAL MAINTENANCE	2003
SARAS	SARROCH	GENERAL MAINTENANCE	2003
SARLUX	IGCC REACTORS-SARROCH	GENERAL MAINTENANCE	2003
SARAS	U700-SARROCH	SHUT DOWN MAINENANCE	2004
SARAS	FCC-SARROCH	RETUBING OF CONDENSERS	2004
SARAS	FCC-ALKY-TAME-BD-	REVAMPING	2004
SARAS	T1-SARROCH	REVAMPING	2004
ENICHEM	ASSEMINI	GENERAL MAINTENANCE	2004
POLIMERI EUROPA	SARROCH	GENERAL MAINTENANCE	2004
SARLUX	SARROCH	GENERAL MAINTENANCE	2004
SARAS	SARROCH	GENERAL MAINTENANCE	2004
SARLUX	IGCC REACTORS-SARROCH	GENERAL MAINTENANCE	2004
ENICHEM	ASSEMINI	GENERAL MAINTENANCE	2005
POLIMERI EUROPA	SARROCH	GENERAL MAINTENANCE	2005
SARLUX	SARROCH	GENERAL MAINTENANCE	2005
SARAS	SARROCH	GENERAL MAINTENANCE	2005
SARLUX	IGCC REACTORS-SARROCH	GENERAL MAINTENANCE	2005
SARAS	T2-V2-SARROCH	TURN AROUND	2006
SARLUX	IGCC REACTORS-SARROCH	GENERAL MAINTENANCE	2006
ENICHEM	ASSEMINI	GENERAL MAINTENANCE	2006
POLIMERI EUROPA	SARROCH	GENERAL MAINTENANCE	2006
SARLUX	SARROCH	GENERAL MAINTENANCE	2006
SARAS	SARROCH	GENERAL MAINTENANCE	2006



Cliente Client	Impianto Plant	Oggetto del contratto Subject of the contract	Anno Year
SARLUX	IGCC REACTORS-SARROCH	TURN AROUND	2007
SARAS	RT1-RT2-SARROCH	TURN AROUND	2006
ENICHEM	ASSEMINI	GENERAL MAINTENANCE	2007
POLIMERI EUROPA	SARROCH	GENERAL MAINTENANCE	2007
SARLUX	SARROCH	GENERAL MAINTENANCE	2007
SARAS	SARROCH	GENERAL MAINTENANCE	2007
SARAS	U800-SARROCH	NEW PLANT	2007
SARAS	OSBL U800-TGTU-SARROCH	NEW PLANT	2007
ENICHEM	ASSEMINI	GENERAL MAINTENANCE	2008
POLIMERI EUROPA	SARROCH	GENERAL MAINTENANCE	2008
SARLUX	SARROCH	GENERAL MAINTENANCE	2008
SARAS	SARROCH	GENERAL MAINTENANCE	2008
SARAS	SWS-TAME-SARROCH	TURN AROUND	2009
SARLUX	U300-U500-SARROCH	TURN AROUND	2009
ENICHEM	ASSEMINI	GENERAL MAINTENANCE	2009
POLIMERI EUROPA	SARROCH	GENERAL MAINTENANCE	2009
SARLUX	SARROCH	GENERAL MAINTENANCE	2009
SARAS	SARROCH	GENERAL MAINTENANCE	2009
SARAS	Z3-SARROCH	TURN AROUND	2010
ENICHEM	ASSEMINI	GENERAL MAINTENANCE	2010
POLIMERI EUROPA	SARROCH	GENERAL MAINTENANCE	2010
SARLUX	SARROCH	GENERAL MAINTENANCE	2010
SARAS	SARROCH	GENERAL MAINTENANCE	2010
SARAS	RT1-SARROCH	TURN AROUND	2011
SARAS	MHC1-SARROCH	TURN AROUND	2011
SARAS	SWS2-U500-SARROCH	TURN AROUND	2011
SARAS	Z2-SARROCH	TURN AROUND	2011
ENICHEM	ASSEMINI	GENERAL MAINTENANCE	2011
POLIMERI EUROPA	SARROCH	GENERAL MAINTENANCE	2011
SARLUX	SARROCH	GENERAL MAINTENANCE	2011
SARAS	SARROCH	GENERAL MAINTENANCE	2011
SARLUX	IGCC-U300-SARROCH	TURN AROUND	2012
SARLUX	IGCC-U500-SARROCH	TURN AROUND	2012
SARAS	T2-T1-SARROCH	TURN AROUND	2012
SARAS	MHC1-SARROCH	TURN AROUND	2012
ENICHEM	ASSEMINI	GENERAL MAINTENANCE	2012
POLIMERI EUROPA	SARROCH	GENERAL MAINTENANCE	2012
SARLUX	SARROCH	GENERAL MAINTENANCE	2012
SARAS	SARROCH	GENERAL MAINTENANCE	2012
SARLUX - SARAS	SARROCH	TURN AROUND	2013
SARLUX - SARAS	SARROCH	TURN AROUND	2013
SARLUX - SARAS	SARROCH	TURN AROUND	2013
SARLUX - SARAS	SARROCH	TURN AROUND	2013
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2013
SARLUX - SARAS	SARROCH	TURN AROUND	2013
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2013
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2013
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2013
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2014
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2014



Cliente Client	Impianto Plant	Oggetto del contratto Subject of the contract	Anno Year
SARLUX - SARAS	SARROCH	TURN AROUND	2014
SARLUX - SARAS	SARROCH	TURN AROUND	2014
SARLUX - SARAS	SARROCH	TURN AROUND	2014
SARLUX - SARAS	SARROCH	TURN AROUND	2015
SARLUX - SARAS	SARROCH	TURN AROUND	2015
SASOL ITALY	SARROCH	EPC	2015
SARLUX - SARAS	SARROCH	TURN AROUND	2015
SARLUX - SARAS	SARROCH	TURN AROUND	2015
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2015
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2015
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2015
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2015
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2015
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2015
SARLUX - SARAS	SARROCH	TURN AROUND	2015
FLUORSID	MACCHIAREDDU	GENERAL MAINTENANCE	2016
SARLUX - SARAS	T1 PLANT - SARROCH	TURN AROUND	2016
SARLUX - SARAS	U700 PLANT - SARROCH	TURN AROUND	2016
SARLUX - SARAS	IGCC PLANT - SARROCH	TURN AROUND	2016
SARLUX - SARAS	SWS1 PLANT - SARROCH	TURN AROUND	2016
SARLUX - SARAS	MHC2 PLANT - SARROCH	TURN AROUND	2016
SARLUX - SARAS	IGCC PLANT - SARROCH	TURN AROUND	2017
SARLUX - SARAS	IGCC PLANT - SARROCH	TURN AROUND	2017
SARLUX - SARAS	IGCC PLANT - SARROCH	TURN AROUND	2017
SARLUX - SARAS	I412/500/502 UNIT - SARROCH	GENERAL MAINTENANCE	2017
SARLUX - SARAS	I986 -983 V01 - SARROCH	GENERAL MAINTENANCE	2017
SARLUX - SARAS	RT2 PLANT - SARROCH	TURN AROUND	2017
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2017
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2017
SARLUX - SARAS	CHILLER PSA UOP - SARROCH	GENERAL MAINTENANCE	2017
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2017
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2017
SARLUX - SARAS	V1 UNIT - SARROCH	TURN AROUND	2017
SARLUX - SARAS	DAM - SARROCH	TURN AROUND	2017
SARLUX - SARAS	I 502 / 402 - SARROCH	TURN AROUND	2017
SARLUX - SARAS	IGC: 302 - SARROCH	TURN AROUND	2018
SARLUX - SARAS	IGC: 303 - SARROCH	TURN AROUND	2018
SARLUX - SARAS	IGCC - SARROCH	TURN AROUND	2018
SARLUX - SARAS	DEA 3 - SARROCH	GENERAL MAINTENANCE	2018
SARLUX - SARAS	T1 - SARROCH	GENERAL MAINTENANCE	2018
SARLUX - SARAS	DAM - SARROCH	TURN AROUND	2018
SARLUX - SARAS	FUEL GAS 33- SARROCH	GENERAL MAINTENANCE	2018
SARLUX - SARAS	EG2 /EG3- SARROCH	TURN AROUND	2018
SARLUX - SARAS	BLOW DOWN - SARROCH	GENERAL MAINTENANCE	2018
SARLUX - SARAS	BLOW DOWN - SARROCH	TURN AROUND	2019
SARLUX - SARAS	MHC 1 - SARROCH	TURN AROUND	2019
SARLUX - SARAS	TGTU - SARROCH	TURN AROUND	2019
SARLUX - SARAS	DAM - SARROCH	TURN AROUND	2019



Cliente Client	Impianto Plant	Oggetto del contratto Subject of the contract	Anno Year
SARLUX - SARAS	ALKY - SARROCH	TURN AROUND	2019
SARLUX - SARAS	VRU - SARROCH	TURN AROUND	2019
SONATRACH	AUGUSTA	TURN AROUND	2019
SARLUX - SARAS	GASSIFIER 302	GENERAL MAINTENANCE	2019
SARLUX - SARAS	GASSIFIER 303	GENERAL MAINTENANCE	2019
SARLUX - SARAS	Z2 - SARROCH	TURN AROUND	2019
SARLUX - SARAS	T2V2/CCR - SARROCH	TURN AROUND	2019
SARLUX - SARAS	BUNKER OIL	TURN AROUND	2019
SARLUX - SARAS	310 E02 A/B - SARROCH	TURN AROUND	2019
SARLUX - SARAS	U 800 - SARROCH	TURN AROUND	2019
SARLUX - SARAS	NEW REGENERATOR	NEW PLANT	2019
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2019
BALKE-DÜRR ROTHEMÜHLE	SARROCH	EQUIPMENT MAINTENANCE	2020
DEMONT	ALKY - SARROCH	EQUIPMENT MAINTENANCE	2020
SARLUX - SARAS	FORMEX - SARROCH	TURN AROUND	2020
SARLUX - SARAS	SPLITTER - SARROCH	TURN AROUND	2020
SARLUX - SARAS	Z4 - SARROCH	TURN AROUND	2020
SARLUX - SARAS	BLOW DOWN - SARROCH	TURN AROUND	2020
SARLUX - SARAS	SARROCH	TURN AROUND	2020
SARLUX - SARAS	GASSIFIER 302	GENERAL MAINTENANCE	2020
SARLUX - SARAS	GASSIFIER 303	GENERAL MAINTENANCE	2020
SARLUX - SARAS	MHC2 - SARROCH	TURN AROUND	2020
ENEL	TN3-TN4 TORREVALDALIGA	GENERAL MAINTENANCE	2020
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2020
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2020
SARLUX - SARAS	GASSIFIER 302	GENERAL MAINTENANCE	2021
SASOL	SARROCH	GENERAL MAINTENANCE	2021
SARLUX - SARAS	SARROCH	TURN AROUND	2021
SARLUX - SARAS	CCR - SARROCH	TURN AROUND	2021
SARLUX - SARAS	GASSIFIER 303	EQUIPMENT MAINTENANCE	2021
SARLUX - SARAS	MHC1 - SARROCH	TURN AROUND	2021
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2021
SARLUX - SARAS	SARROCH	GENERAL MAINTENANCE	2021
TAMOIL	TK30-TK17 - TRECATE	EQUIPMENT MAINTENANCE	2021
ENEL	TN3-TN4 TORREVALDALIGA	GENERAL MAINTENANCE	2021
SIGEMI	GENOVA SAN QUIRICO	EPC GENERAL CONTRACT	2021
ECC	AIRE LA VILLE (CH)	NEW PLANT - CHENEVIERS	2021



4. GARANZIA E CONTROLLO QUALITA' / *QUALITY ASSURANCE AND CONTROL*

4.1 GARANZIA E CONTROLLO QUALITÀ / *QUALITY ASSURANCE AND CONTROL*

REFERENTE/ <i>CONTACT PERSON</i>	POSIZIONE/ <i>POSITION</i>
Francesco Tronci	QA
Francesco Tronci	QC

4.2 DOCUMENTI SISTEMA QUALITA' / *QUALITY SYSTEM DOCUMENTS*

- ✓ MANUALE / *MANUAL* *
- ✓ PROCEDURE / *PROCEDURES* *

in accordo con le seguenti norme / *according to the following codes* :

- UNI EN ISO 9001:2015
- ASME

* La documentazione relativa al sistema qualità può essere consultata presso la nostra sede
Quality system documents can be reviewed at our headoffice

4.3 CERTIFICAZIONI DEL SISTEMA DI QUALITA' / *QUALITY SYSTEM CERTIFICATIONS*

Norma <i>Standards</i>	Ente certificante <i>Certification body</i>	1° emissione <i>1st emission</i>	Scadenza <i>Expiration</i>	Cert. numero <i>Cert. number</i>	Campo applicaz. <i>Scope of certif.</i>
ISO9001:2015	BUREAU VERITAS	09/03/2010	06/03/2025	IT315257	*
UNI EN ISO 3834-2:2006	BUREAU VERITAS	12/05/2015	10/05/2024	IT260800	**
EN1090- 1:2009 + A1:2011	BUREAU VERITAS	12/05/2015	-	1370-CPR- 0866	***
ISO45001:2018	BUREAU VERITAS	23/03/2017	22/03/2023	IT305896	****

* Progettazione, costruzione, riparazione e assistenza di apparecchi a pressione, scambiatori di calore e serbatoi di stoccaggio in acciaio al carbonio, legato, inossidabile (austenitico e austenitico-ferritico), nickel e sue leghe / *Design, construction, repair and servicing of pressure equipment,, heat exchangers and storage tanks made of carbon steel, alloy steel, stainless steel (austenitic and austenitic-ferritic),nickel and its alloys.*

** Progettazione, fabbricazione, riparazione ed assistenza di apparecchi a pressione, scambiatori di calore e serbatoi di stoccaggio in acciaio al carbonio, legato, inossidabile (austenitico, austenitico-ferritico, martensitico), titanio, leghe di rame, nickel e sue leghe e componenti strutturali in acciaio al carbonio e acciaio inossidabile austenitico / *Design, manufacture, repair and maintenance of pressure equipment, heat exchangers and storage*



tanks in carbon steel, alloy steel, stainless steel (austenitic, ferritic-austenitic, martensitic), titanium, copper alloys, nickel and nickel alloys and structural component in carbon steel and austenitic stainless steel

******* Esecuzione di strutture di acciaio e alluminio / *Execution of steel and aluminium structures*

******** Costruzione e manutenzione di impianti industriali. Progettazione, costruzione, riparazione ed assistenza di apparecchi a pressione, scambiatori di calore e serbatoi di stoccaggio / *Maintenance and construction of industrial plants. Design, manufacture, repair and servicing of pressure equipment, heat exchangers and storage tanks*

4.4 CONTROLLI E COLLAUDI / INSPECTIONS AND TESTING

■ PERSONALE PROPRIO
COMPANY PERSONNEL

■ SUB CONTRATTORI
INSP. AGENCIES

I collaudi sono anche eseguiti in presenza dei seguenti enti ufficiali:
Tests are also carried out in the presence of the following official bodies:

ISPESL, RINA, LLOYDS, OTHER CLIENT'S REPRESENTATIVES



PARTE 2 / PART 2 DATI DELLO STABILIMENTO / PLANT DATA

1. DATI DELLO STABILIMENTO / PLANT INFORMATION

1.1. DENOMINAZIONE STABILIMENTO / PLANT NAME

COS.M.IN. Srl

1.2. INDIRIZZO STABILIMENTO / PLANT ADDRESS

Loc. La Maddalena spiaggia 09012 Capoterra (Ca) Italy

Tel 00 39 070 71191

Fax 00 39 070 71773

1.3. SUPERFICI E FABBRICATI / BUILDINGS & AREAS

Superficie Totale/*Total area*: mq/sqm 26.000

Uffici/*Offices*: mq/sqm 1.000

Aree coperte/*Covered area*: mq/sqm 6.000

Piazzali / *Yards*: mq/sqm 19.000

Reparti di fabbricazione / *Production departments*:

Mechanical shop in 1 building - 1.000 mq./ Milling, lathing, drilling

Steelwork shop in 1 building - 5.000 mq/ Forming, cutting, welding ecc. with a reserved area for stainless steel products

Laboratori di prova e collaudo / *Inspection and testing laboratories*

Misurazioni di durezza e spessore, controlli con liquidi penetranti e Magnaflux eseguiti da personale qualificato di stabilimento; RX e Controlli UT eseguiti da società subappaltatrici. *Thickness and hardness measurements, Liquid penetrant tests and Magnaflux carried out by plant personnel; RX and UT tests subcontracted to specialized companies.*

1.4. REPARTO IMBALLAGGI / PACKING DEPARTMENT

L'imballaggio dei prodotti in spedizione è affidato a società specializzate in grado di soddisfare le specifiche più complesse.

Packing of the finished products is subcontracted to specialized companies capable to fulfill to the most stringent requirements.

1.5. MEZZI DI FABBRICAZIONE, MEZZI DI PROVA E CONTROLLO, MEZZI SPECIALI MANUFACTURING, INSPECTION AND TESTING, SPECIAL EQUIPMENT

Su richiesta "Elenco attrezzature e mezzi" / "List of main equipment" on request

1.6. MEZZI DI SOLLEVAMENTO / LIFTING EQUIPMENT

Il nostro parco mezzi è composto da una vasta gamma di mezzi per il sollevamento e lo spostamento di carichi pesanti fino a 300 tonnellate. / *Our fleet consists of a wide range of lifting and moving equipment for heavy loads up to 300 tons.*



Le gru / *The cranes:*

- n.1 autogru tralicciata da 200 ton.
- *n.1 crawler crane up to 200 tons.*

- autogru telescopiche da: 300, 130, 56, 47, 30 ton.
- *telescopic cranes up to 300, 130, 56, 47, 30 tons.*

- n. 6 autogru telescopiche da 25 ton
- *n.6 crawler cranes up to 25 tons.*

1.7. CAPACITÀ DI SPEDIZIONE MAX. DA STABILIMENTO A PUNTO DI SPEDIZIONE *MAXIMUM SHIPMENT CAPACITY FROM PLANT TO SHIPMENT POINT*

peso max.	200	ton.,	lunghezza	60	m
<i>max. weight</i>		<i>tons.</i>	<i>length</i>		<i>m</i>
x larghezza	10	m	x altezza	6,5	m
<i>x width</i>		<i>m</i>	<i>x height</i>		<i>m</i>

1.8. LAVORAZIONI AFFIDATE A TERZI / *MANUFACTURE ENTRUSTED TO THIRD PARTIES*

Sabbatura e verniciatura / *Sand-Blasting and Painting*
Formatura fondi / *Forming of heads*

2. PERSONALE / *PERSONNEL*

2.1. ORGANIGRAMMA DELLO STABILIMENTO / *PLANT PERSONNEL*

TOTALI / *TOTAL* : 45

DIRIGENTI E QUADRI / *MANAGEMENT* : 2

IMPIEGATI E TECNICI / *EMPLOYEES AND TECHNICIANS* : 19

PRODUTTIVI EFFETTIVI / *PRODUCTION FORCE* : 24

3. PRODOTTI / *PRODUCTS*

3.1. PRODOTTI DELLO STABILIMENTO / *PLANT PRODUCTS*

PRODOTTI <i>PRODUCTS</i>	DETTAGLI <i>DETAILS</i>	PRODUZIONE ANNUA <i>ANNUAL PRODUCTION</i>	TEMPO CONSEGNA <i>DELIVERY TIME</i>	% FATTURATO ANNUO <i>% ANNUAL TURNOVER</i>
FCC Components	Up to 10 m in diameter, 50 m in length and 650 tons	300 TONS	20-50 WEEKS	20%
Heat exchangers	Shell & Tube	300 TONS	20-50 WEEKS	20%
Vessels Reactors	Up to 100 mm thick	300 TONS	20-50 WEEKS	20%
Columns	Up to 210 TON	300 TONS	20-50 WEEKS	20%
Cabled skids	PSA UNIT	400 TONS	20-50 WEEKS	10%



Costruiamo apparecchiature su misura sulla base di specifiche esigenze / *We fabricate custom made equipment based on specific needs.*

Oltre alla fornitura, offriamo un servizio completo dalla progettazione al trasporto dei manufatti di nostra produzione / *We offer a complete service from design to transport of our products.*

Lo scopo della nostra fornitura include anche l'applicazione dei refrattari e/o antiabrasivi con relativi ancoraggi / *Our supply includes refractory and/or anti-abrasive materials application and anchor bolts installation.*

3.2 NUOVI PROCESSI DI PRODUZIONE/ NEW MANUFACTURING PROCESSES

Utilizziamo tecnologie di ultima generazione per rendere più efficienti le tecniche di taglio e foratura delle lamiere, migliorando la qualità dei nostri prodotti e diminuendo notevolmente i tempi di consegna.

Abbiamo recentemente allestito una nuova area in officina dedicata alle lavorazioni degli acciai speciali.

We use the last technologies to optimize cut and drilling techniques for metal sheets, improving the quality and substantially reducing delivery times.

4. SERVIZI/SERVICES

4.1 SOLUZIONI EPC E IMPIANTI CHIAVI IN MANO / EPC SOLUTIONS AND TURNKEY PROJECTS

Con un team di ingegneri, tecnici ed operai altamente specializzati offriamo servizi di ingegneria completi, dalla progettazione fino alla realizzazione. La nostra organizzazione interna ci permette di coordinare e gestire interventi multispecialistici in Italia e all'estero e di offrire impianti chiavi in mano con soluzioni personalizzate.

With a team of engineers, technicians and specialized workers we provide EPC solutions, from design to installation. We are able to coordinate complex works and supervise turnkey projects in Italy and abroad, offering customized solutions to our clients.

I nostri principali servizi / Our main services:

- Ingegneria e progettazione / *Engineering and design*
- Costruzioni e prefabbricazioni / *Construction and prefabrication*
- Assemblaggio on-site / *Assembly on-site*
- Revamping e manutenzione / *Revamping and maintenance*
- Pianificazione fermate d'impianto / *Plant shutdowns planning*
- Assistenza all'avviamento / *Commissioning and start-up assistance*





SEDE LEGALE: Loc. La Maddalena Spiaggia snc – 09012 Capoterra (CA) ITALY

TEL. +39 070 71191 – FAX +39 070 71773

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