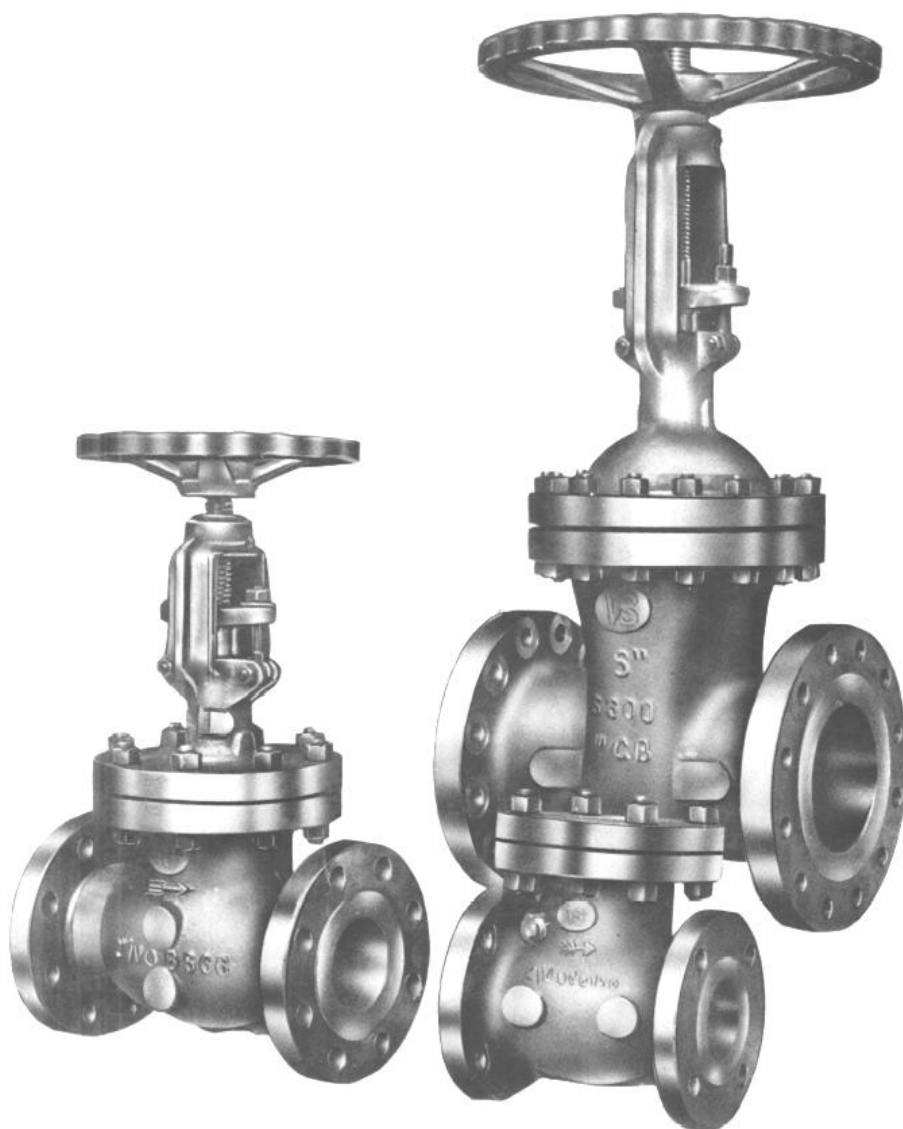


VALVOSIDER

MANUFACTURER OF VALVES



COMPANY PROFILE

COMPANY PROFILE

COMPANY PROFILE - TABLE OF CONTENTS

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COMPANY PROFILE - FOREWORD

1.1 Company's Policy

Valvosider S.r.l. is committed to providing its clients with a product which conforms in every respect both to the requirements of the contract and the client's needs at a fair cost, within the contractual delivery time, with the highest possible safety standards, while at the same time protecting the well-being of the natural environment and the community where the materials are being produced.

To accomplish this the General Management has set up a Quality System which operates in conformity with ISO 9001 standards.

This system has been designed in such a way so that it may be modified and improved at any stage of the production cycle, whilst also ensuring the professional and technical development of our staff.

The Managing Director has the ultimate responsibility for the development and implementation of the Quality System.

This responsibility has been delegated to the Quality Manager, who has full authority and autonomy to develop and maintain the Quality System.

The Managing Director requires that all members of the company comply with the procedures laid down in the Quality System Manual.

All management levels are responsible for ensuring that the requirements of the Quality System Manual are both understood and observed.

All employees engaged in the manufacture of goods in Valvosider's name are responsible for producing a quality product that meets the client's specified requirements.



COMPANY PROFILE - GENERAL INFORMATION

2.1 Valvosider's History

Valvosider was formed in 1951 as a manufacturer of industrial valves and, after more than 60 years of continuous growth, has become a manufacturer of international reputation.

The production encompasses a wide range of valves meeting the requirements of the chemical, petrochemical, marine, oil (on and offshore), gas and power plant industries.



2.2 Plant Location and Description

Valvosider is located in Borgosesia in Northern Italy between Milan and Turin, approximately one hour by car from both.

The nearest sea port is Genoa, some 150 km from Borgosesia.

The total plant area is approximately 96,000 square metres with 35,500 square metres being under cover.

The company is structured on 2 production units, located about 1 km away.



Unit 1

13011 Borgosesia (VC) Via San Rocco, 2 Italy

The Unit 1 includes machining, assembling, testing, painting and shipping departments, the component warehouse and the offices.

In this unit, a new structure for customers testing, special testings and special paintings has been recently implemented.



Unit 2

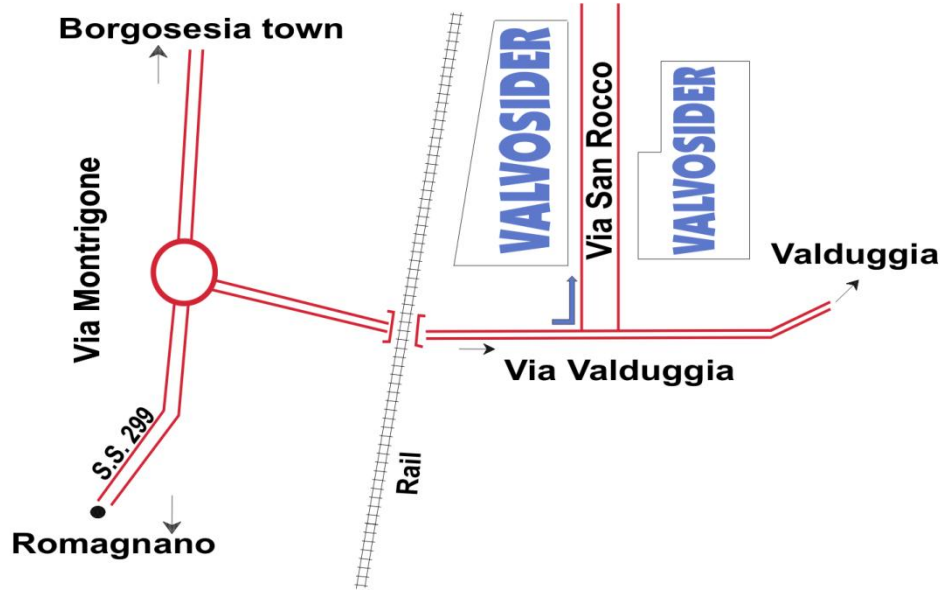
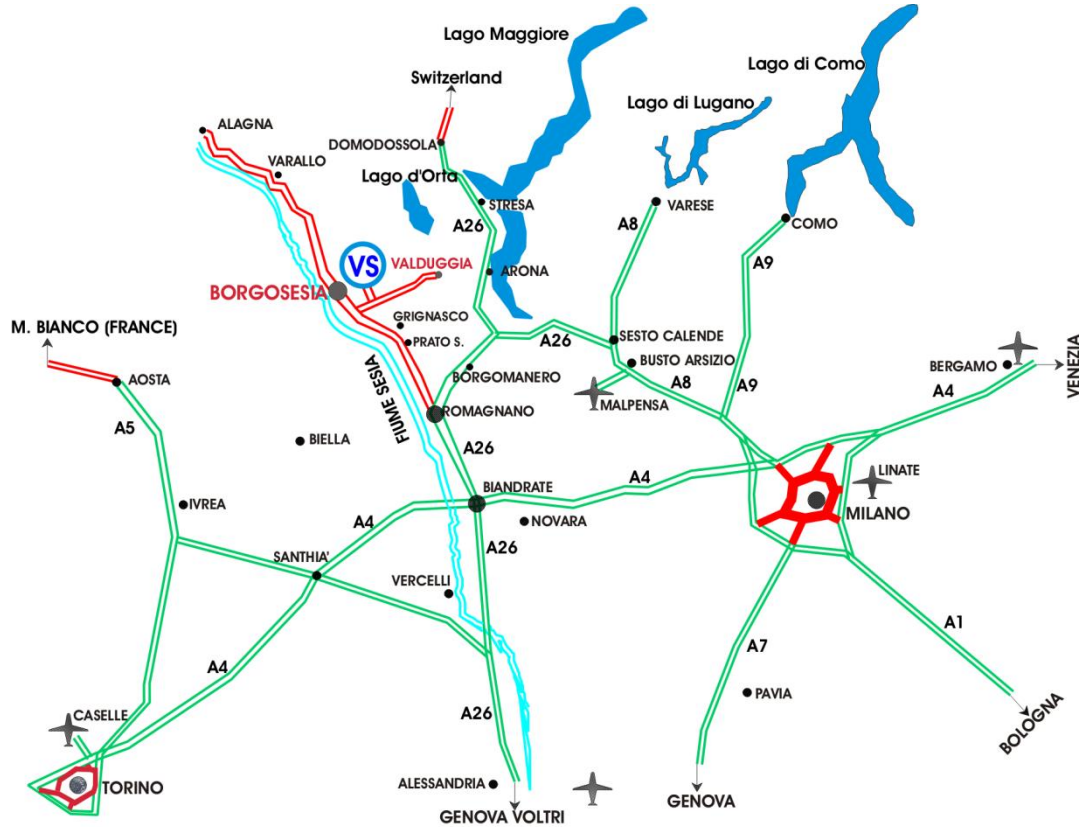
13011 Borgosesia (VC) Regione Baraggione Italy

The Unit 2 includes the castings warehouse, the Non-Destructive Examination department, the Welding department, the Heat Treatments department, the special testing department, the pickling and passivation facilities, and the white room for valve cleaning.



COMPANY PROFILE - GENERAL INFORMATION

How to reach Valvosider



COMPANY PROFILE - CERTIFICATIONS

3. Certifications

Our many years of experience in producing top quality products, together with our policy of keeping our production facilities at the forefront of available technology, has enabled us to be certified by the following organizations:

ISO 9001:2008 RINA / IQNET

PRESSURE EQUIPMENT DIRECTIVE (2014/68/UE) - TÜV

ATEX DIRECTIVE 2014/68/UE - VALVOSIDER

API 600-0020 / AMERICAN PETROLEUM INSTITUTE

API 6D-0166 / AMERICAN PETROLEUM INSTITUTE

API 6A-0992 / AMERICAN PETROLEUM INSTITUTE

AD 2000 MERKBLATT HP0 /A4 / EN ISO 3834-2 - TÜV

API 622 / API 624 FUGITIVE EMISSION - TÜV

ISO 15848-1 Class BH FUGITIVE EMISSION - TÜV

TA-LUFT FUGITIVE EMISSION - TÜV

VDI 2440 - TÜV

FIRE SAFE API 607/BS EN ISO 10497/BS EN ISO 6755-2 - TÜV

TR CU 010/2011 & 032/2013

ACHILLES JQS

Canadian Registration Numbers (CRN)

API 591 - TÜV

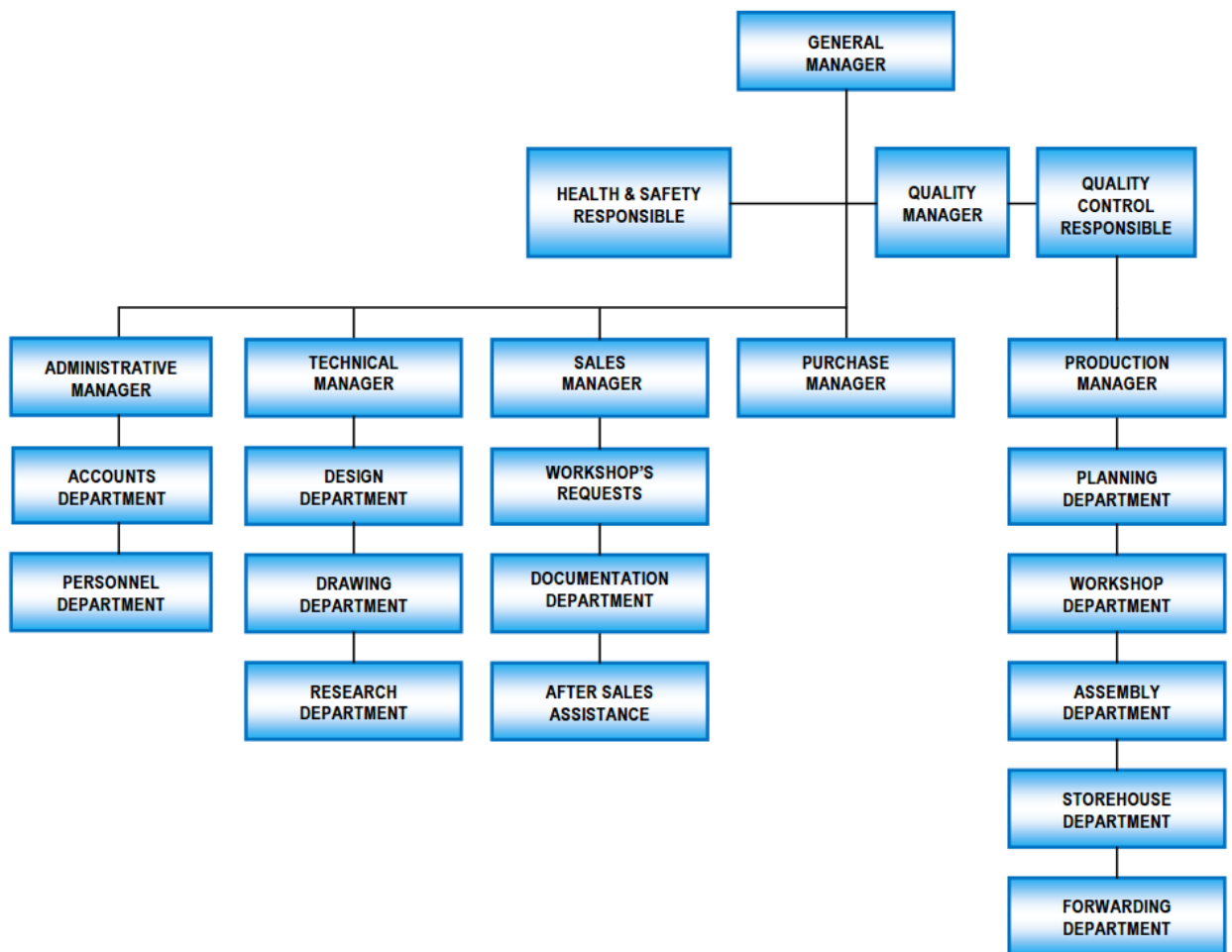
SIL IEC 61508-1÷7:2010 - TÜV



Electronic copies (pdf file) of the above mentioned certificates are available on request.

COMPANY PROFILE - ORGANIZATION

4.1 Organization Chart Of Company



COMPANY PROFILE - ORGANIZATION

4.2 Personnel

Department	Qualification of Company's Personnel	Number of Employees
Top Management	General Manager	1
Quality Assurance Quality Control	QMS Manager	1
	QC Responsible	1
	Assistant	3
Sales & Marketing	Sales Manager	6
	Documentation Responsible	2
	Assistant	5
Design	Technical Manager	1
	Design Responsible	2
	Drawings Responsible	2
	Special Process Responsible	1
	Technician	2
Purchasing	Purchasing Manager	1
	Bill of Materials Responsible	1
	Material Requirement Responsible	1
	Incoming Material Responsible	1
	Incoming Material Operator	3
	Warehouse Responsible	1
	Warehouse Operator	5
Production	Production Manager	1
	Planning Responsible	1
	Non Destructive Examination Responsible	1
	Qualified Operator for RT/MT/PT/UT/LT/VT	13
	Welding Responsible	1
	Qualified Welder	5
	Machining responsible	3
	Machining Centre Operator	8
	CNC Machining Operator	9
	Traditional Machines Operator	16
	Assembly Responsible	1
	Assembler	10
	Testing Responsible	1
	Testing Operator	5
	Painting Responsible	1
	Painting Operator	3
Shipping Responsible	1	
Packers	4	
Information System	Information System Manager	1
	Technician	2
Administration/Personnel	Administrative Responsible	1
	Accountant	2
Others		3
Total		133

COMPANY PROFILE - PRODUCTION

5.1 Products - ASME VALVES

Our production encompasses a wide range of valves meeting the requirements of the chemical, petrochemical, marine and oil (on and offshore) industries.

	ASME VALVES		
	Type	Class	Size
GATE API 600 ISO 10434	BOLTED BONNET	150 ÷ 2500	2" ÷ 48"
	CRYOGENIC EXTENDED BONNET	150 ÷ 1500	2" ÷ 40"
	BELLOW SEAL	150 ÷ 1500	2" ÷ 24"
	PRESSURE SEAL BONNET	600 ÷ 2500	2" ÷ 24"
GATE API 6D EN 1984-2000	THROUGH CONDUIT	150 ÷ 1500	3" ÷ 40"
	PARALLEL SEATED	150 ÷ 1500	3" ÷ 40"
GATE API 6A	BOLTED BONNET	API 2000 ÷ API 10000	2.1/16" ÷ 9"
GLOBE BS 1873 API 623	BOLTED BONNET	150 ÷ 1500	2" ÷ 24"
	"Y" PATTERN	150 ÷ 1500	2" ÷ 20"
	ANGLE 90°	150 ÷ 1500	2" ÷ 16"
	CRYOGENIC EXTENDED BONNET	150 ÷ 1500	2" ÷ 16"
	BELLOW SEAL	150 ÷ 1500	2" ÷ 16"
	BELLOW SEAL "Y" PATTERN	150 ÷ 1500	2" ÷ 16"
	PRESSURE SEAL BONNET	600 ÷ 2500	2" ÷ 16"
PRESSURE SEAL BONNET "Y" PATTERN	600 ÷ 2500	2" ÷ 16"	
CHECK BS 1868 API 6D API 594	SWING BOLTED BONNET	150 ÷ 2500	2" ÷ 48"
	SWING PRESSURE SEAL BONNET	600 ÷ 2500	2" ÷ 24"
CHECK BS 1873	PISTON BOLTED COVER	150 ÷ 1500	2" ÷ 16"
	PISTON "Y" PATTERN COVER	150 ÷ 2500	2" ÷ 24"
CHECK BS 1873 API 6D	LIFT PRESSURE SEAL COVER "STRAIGHT"	600 ÷ 2500	2" ÷ 16"
	LIFT PRESSURE SEAL COVER "Y" PATTERN	600 ÷ 2500	2" ÷ 16"
	TILTING DISC PRESSURE SEAL COVER	600 ÷ 2500	2" ÷ 24"
CHECK API 6A	BOLTED COVER	API 2000 ÷ API 10000	2.1/16" ÷ 9"
STRAINERS BS 1873	"Y" PATTERN	150 ÷ 2500	2"÷24"
	BASKET PATTERN	150 ÷ 2500	2"÷16"
BALL API 6D	FLOATING BALL	150÷300	1/2"÷8"
	TRUNNION MOUNTED	150÷1500	1/2"÷24"

COMPANY PROFILE - PRODUCTION

Products - DIN VALVES

Our production encompasses a wide range of valves meeting the requirements of the chemical, petrochemical, marine and oil (on and offshore) industries.

	DIN VALVES		
	Type	PN	DN
GATE EN 12516-2	BOLTED BONNET OVAL TYPE	16	50 ÷ 1400
	BOLTED BONNET ROUND TYPE	16 ÷ 160	50 ÷ 1400
	CRYOGENIC EXTENDED BONNET	16 ÷ 100	50 ÷ 600
	BELLOW SEAL	16 ÷ 100	50 ÷ 600
	PRESSURE SEAL BONNET	100 ÷ 420	50 ÷ 600
GLOBE EN 12516-2	BOLTED BONNET	16 ÷ 160	15 ÷ 600
	"Y" PATTERN	16 ÷ 100	15 ÷ 600
	ANGLE 90°	16 ÷ 100	15 ÷ 600
	CRYOGENIC EXTENDED BONNET	25 ÷ 100	15 ÷ 600
	BELLOW SEAL	16 ÷ 100	15 ÷ 600
	BELLOW SEAL "Y" PATTERN	40 ÷ 100	50 ÷ 600
	BELLOW SEAL ANGLE 90°	16 ÷ 100	15 ÷ 600
	PRESSURE SEAL BONNET	100 ÷ 420	50 ÷ 600
CHECK EN 12516-2	PRESSURE SEAL BONNET "Y" PATTERN	100 ÷ 420	50 ÷ 600
	SWING BOLTED BONNET	16 ÷ 160	50 ÷ 1000
	SWING PRESSURE SEAL BONNET	100 ÷ 420	50 ÷ 600
	PISTON BOLTED BONNET	16 ÷ 160	15 ÷ 600
	PISTON "Y" PATTERN BOLTED BONNET	16 ÷ 100	15 ÷ 600
	PISTON ANGLE 90° BOLTED BONNET	16 ÷ 100	15 ÷ 600
	LIFT PRESSURE SEAL BONNET "STRAIGHT"	100 ÷ 420	50 ÷ 600
	LIFT PRESSURE SEAL BONNET "Y" PATTERN	100 ÷ 420	50 ÷ 600
STRAINERS EN 12516-2	TILTING DISC PRESSURE SEAL BONNET	100 ÷ 420	50 ÷ 600
	"Y" PATTERN	16 ÷ 160	15 ÷ 600
	BASKET PATTERN	16 ÷ 160	15 ÷ 600

COMPANY PROFILE - PRODUCTION

5.2 Materials And Stock

Our massive stock of raw castings which covers an extensive range of classes, materials and ratings enables us to guarantee the very best deliveries.

The following materials are available from stock:

ASME VALVES

ASTM A216 WCB / WCC
ASTM A352 LCB / LCC

ASTM A217 WC6
ASTM A 217 C5
ASTM A217 C12

ASTM A351 CF3
ASTM A351 CF8
ASTM A351 CF8C
ASTM A351 CF8M
ASTM A351 CF3M

Usual available materials:

ASTM A 217 WC1
ASTM A 217 WC5
ASTM A 217 WC9
ASTM A 217 CA15

ASTM A 352 LC2
ASTM A 352 LC3

ASTM A351 CK3MCUN
ASTM A351 CN7M
ASTM A890 4A / 5A / 6A
ASTM A494 M35-1 (MONEL)

Other ASTM specifications
integrated by our own foundry
"Italian Casting S.r.l."

DIN VALVES

FORGINGS EN 1.0460
CASTINGS EN 1.0619

ALLOY STEEL EN 1.7365
ALLOY STEEL EN 1.7357
ALLOY STEEL EN 1.7379

STAINLESS STEEL EN 1.4552
STAINLESS STEEL EN 1.4581
STAINLESS STEEL EN 1.4408
STAINLESS STEEL EN 1.4308
STAINLESS STEEL EN 1.4409

DUPLEX STEEL 1.4470

Usual available materials:

Other EN/DIN specifications
integrated by our own foundry
"Italian Casting S.r.l."

COMPANY PROFILE - PRODUCTION

5.3 Manufacturing Capacity


- Roughly 30,000 pieces per year
- Roughly 3,600 metric tons per year



COMPANY PROFILE - APPLICABLE STANDARDS

6. Applicable Standards

All Valvosider's production is carried out in observance of Valvosider's Quality Assurance System, as set out in the Quality Assurance Manual according to ISO 9001 standard. Valvosider's production is strictly according to the following standards, when applicable.

API 600 Steel gate valves	BS 1414 Steel wedge gate valves	AD 2000 MERKBLATT Pressure vessel rules
API 6D Spec. for pipeline and piping valves	BS 1868 Steel check valves	DIN 1690 Technical delivery conditions for castings
API 623 Steel globe valves	BS 1873 Steel globe valves	EN 1092-1 Flanges and their joints - Steel flanges
API 6A / ISO 10423 Drilling and production equipment - wellhead and christmas tree equipment		DIN 3840 Valve bodies - Strength calculation in respect of internal pressure
API 594 Check valves: flanged, lug, wafer and butt-welding		EN 12516-1/-2 Industrial valves - Shell design strength
API RP 591 Process valve qualification procedure		EN 558-1 Face-to-face and centre-to-face dimensions of metal valves
API 598 Valve inspection and test		EN 12627 Butt welding ends for steel valves
MSS SP 25 Standard marking system for valves, fittings, flanges and unions		EN 12569 Requirements and tests for industrial valves
ASME B 16.5 Steel pipe flanges and flanged fittings		EN 10213-1/-2/-3/-4 Technical delivery conditions for steel castings for pressure purposes
ASME B 16.25 Buttwelding ends		EN 12266-1/-2 Pressure tests, test procedures and acceptance criteria
ASME B 16.47 Large diameter steel flanges		
ASME B 16.10 Face-to-face and end-to-end dimension of ferrous valves		
ASME B 16.34 Steel valves, flanged, threaded and welding end		
NACE MR 0175 / ISO 15156-1/2/3 Material Requirement		
NACE MR 0103 Material Requirement		
ASTM / ASME II Iron and steel products		
SNT-TC-1A Personnel qualification and certification in NDT		

COMPANY PROFILE - EQUIPMENT

7.1 Mechanical Machining

We have an outgoing policy of updating our machine tools and their ancillary equipment to enable us to use the latest models available on the market. Keeping abreast of this and anticipating future possibilities is what keeps us young, dynamic, and ahead of our competition.

MAJOR EQUIPMENT

N. 19 CNC REVOLVING-PIECE BODY AND COVER MACHINES
N. 12 CNC MACHINE CENTRES
N. 6 CNC VERTICAL REVOLVING MACHINES
N. 3 FOUR-WAYS AUTOMATIC TRANSFER UNITS FOR BODIES
N. 3 TURRET AUTOMATIC LATHES FOR BODIES
N. 4 MULTIMATIC MACHINES FOR COMPONENTS
N. 3 SPECIAL WEDGE MACHINING
N. 32 SEMIAUTOMATIC LATHES
N. 8 MULTISPINDLE DRILLING MACHINES
N. 8 RADIAL DRILLS
N. 4 MILLING MACHINES
N. 2 THREADING AUTOMATIC MACHINES
N. 4 ROLLING MACHINES
N. 6 LAPPING MACHINES
N. 2 OUTSIDE LAPPING FOR STEM
Miscellaneous supporting machine-tool and equipment,
in total n.160 individual machines.



7.2 Special processes

HEAT TREATMENT

We have experienced and qualified personnel capable of perform heat treatments on most common steels.

N. 4 ELECTRICAL FURNACES
fully programmable and periodically calibrated
N. 2 GAS FURNACES
qualified according to NORSOK M650, API 6A ANNEX M.

WELDING

We have experienced and qualified personnel to perform following welding activities according to applicable WPS & PQR :

1. OVERLAYS
2. HARDFACING
3. FULL PENETRATION WELDS

PAINTING

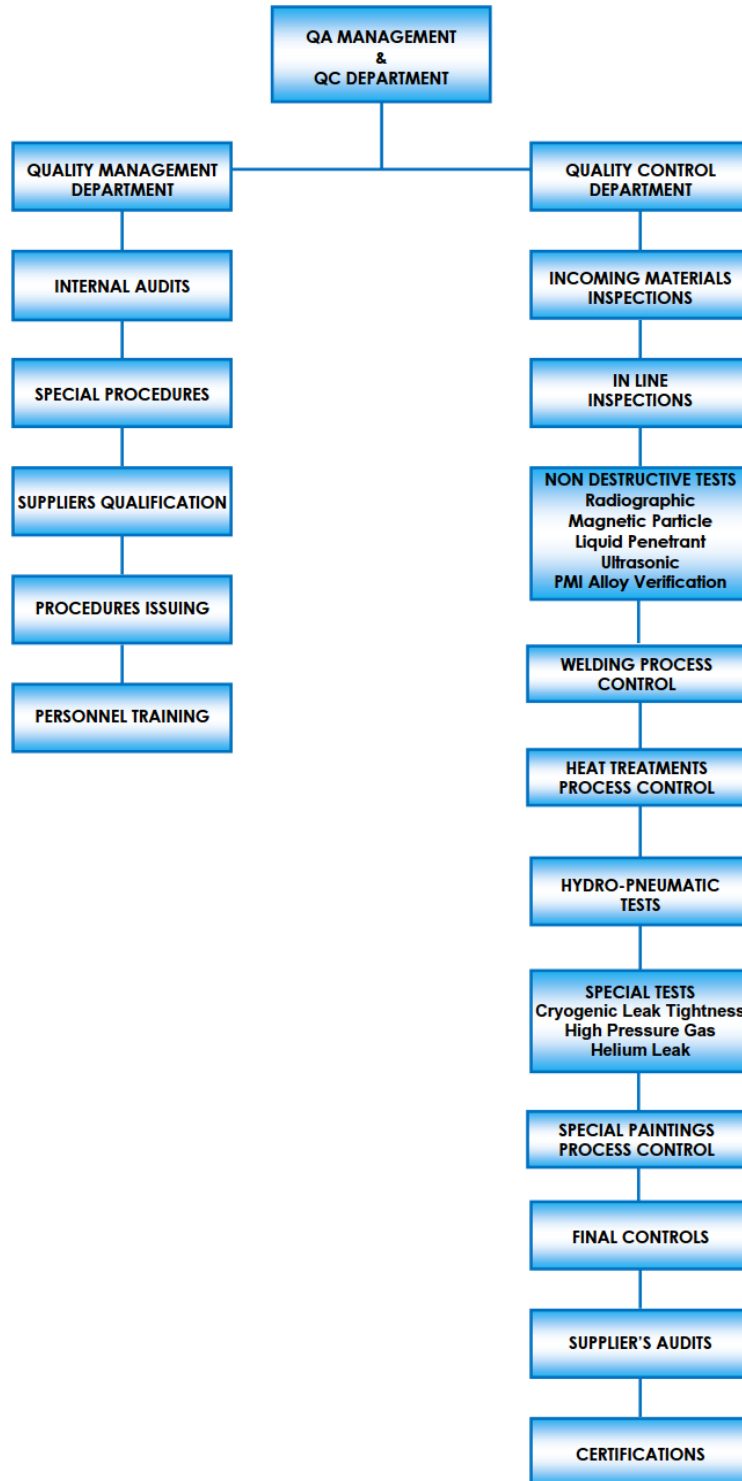
We have experienced and qualified personnel to perform painting/coating system according to customer specification.

Operators are qualified according to NACE.
Inspectors are qualified according to FROSIO Level 2 & 3.

COMPANY PROFILE – Q.A. SERVICE AND NDT ACTIVITIES

8.1 Organization

The organisation of the Quality Assurance & Control Department is shown in the chart below.



COMPANY PROFILE – Q.A. SERVICE AND NDT ACTIVITIES

8.2 Non Destructive Examination: Capability, Personnel and Authorities

The Quality Assurance & Control Department is under direct control of the Quality Assurance Manager.

The followings NDT checks can be carried out in-house by level 2 and level 3 personnel qualified according to SNT-TC-1A and ISO9712:

Visual Inspection (VT)	acc. to MSS SP-55
Radiographic Inspection (RT)	acc. to ASME B16.34 Appendix I
Magnetic Part. Inspection (MT)	acc. to ASME B16.34 Appendix II
Dye Penetrant Inspection (PT)	acc. to ASME B16.34 Appendix III
Ultrasonic Test (UT)	acc. to ASME B16.34 Appendix IV
Helium Leak Test (LT)	acc. to ASME V Art. 10/ISO 15848 1-2
Positive Material Identif. (PMI)	acc. to ASME



Third party inspections are routinely carried out by the following authorities:

LLOYD'S REGISTER
BV Bureau Veritas
DNV Det Norske Veritas
ABS American Bureau of Shipping
GERMANISCHER LLOYD
TÜV
RINA Registro Italiano Navale

Independent laboratory inspections can be carried out by such companies as:

OMECO S.r.l. - Monza (MI) - Italy
AMTEC MESSTECHNISCHER SERVICE GMBH – Lauffen (D)
SMT S.r.l. - Pozzo D'adda (MI) - Italy

COMPANY PROFILE – Q.A. SERVICE AND NDT ACTIVITIES

8.3 Inspections and Tests Equipment: NDE, Pressure Test, PMI, Painting, Surface Finish, Dimensional, Torque

The following equipment is at the disposal of Quality Assurance & Control Department:

- ✓ Hydro and pneumatic test equipment up to 1600 kg/cm² (n. 12)
- ✓ High Pressure Gas & Cryogenic test equipment 1000 kg./cm² (n. 1)

- ✓ PMI Spectrotest machines

- ✓ PMI XRF devices

- ✓ Radiographic equipment:
 - ✓ NO. 3 BUNKERS
 - ✓ NO. 3 sources of IRIDIUM 192
 - ✓ NO. 3 sources of COBALT 60

- ✓ Thermoelectric equipments for alloy sorting and identification
- ✓ MT probe machine
- ✓ MT yoke machine
- ✓ Helium/Vacuum leak test machine
- ✓ Ultrasonic test machine
- ✓ Hardness testing machines
- ✓ Roughness digital testing machines
- ✓ PT system
- ✓ Ultrasonic wall-thickness detector
- ✓ Ultrasonic paint-thickness detector
- ✓ Torque keys
- ✓ Micrometers, verniers and gauges
- ✓ Pickling & Passivation system
- ✓ Low temperature and cryogenic test equipment up to -196°C
- ✓ High Pressure Gas Test system
- ✓ Special Painting qualified systems & operators



COMPANY PROFILE - REFERENCES

9.1 Suppliers

Herewith a brief summary of some of our major SUPPLIERS:

CASTINGS:	ITALIAN CASTING S.r.l.	VALDUGGIA	(VC)
	FLAG S.p.A.	MESTRE	(VE)
	IFI	MARCON	(VE)
	FONDINOX	SERGNANO	(CR)
FORGINGS:	F.LLI RISETTI SRL	SOLBIATE ARNO	(VA)
	STAMPERIA DI MENZAGO S.r.l.	MENZAGO	(VA)
	RIGANTI S.p.A.	VARESE	(VA)
	MAZZETTI&GHIRINGHELLI S.r.l.	SOLBIATE ARNO	(VA)
	ISEF S.r.l.	CARNAGO	(VA)
STEEL BARS:	ACCIAIERIE VALBRUNA S.r.l.	ALTAVILLA	(VI)
	SANDVIK S.p.A.	MILANO	(MI)
	UGINE S.r.l.	PESCHIERA B.	(MI)
	COGNE S.p.A.	AOSTA	(AO)
PACKING	TECNOTREX S.p.A.	SARNICO	(BG)
GASKET	ALPI S.N.C.	CREDARO	(BG)
	GARLOCK S.p.A.	MILANO	(MI)
	CARRARA SPA	ADRO	(BS)
BOLTING	O.M.E. S.p.A.	ERBA	(CO)
	BEA S.r.l.	SOLBIATE OLONA	(VA)
	PRESSBOLT S.r.l.	TURATE	(CO)
	BECK CREPPEL S.A.	ARMENTIERES	F



9.2 Registration

TRIBUNAL OF VERCELLI	N. VAT
CHAMBER OF COMMERCE	N. 9572
VAT	N. IT – 00162390025

COMPANY PROFILE - REFERENCES

9.3 Clients

Herewith a brief summary of some of our major CLIENTS
(in alphabetical order)

ABB COMBUSTION ENGINEERING	KVAERNER PROCESS
ABB GLOBAL	LINDE AG
ABB LUMMUS HT	LINDE WERKSGRUPPE TVT
ADGAS	LURGI
ADMA-OPCO	MANNESMANN GMBH
AGIP PETROLI	MIRO GMBH & CO KG
AIR PRODUCTS	OIL REFINERIES LTD
BAPCO	OMV
BASF	PARAGON LITWIN
BECHTEL	PFD
BEMCO	PHILLIPS 66
CEPSA	QATAR PETROLEUM
CHEVRON	RAYTHEON
CHICAGO BRIDGE & IRON	REFINERY VOHBURG INGOLSTADT
CONOCO PHILIPS	MBH
COSTAIN OIL & GAS	SABIC
DEA MINERALÖL AG	SAIDI
DEUTSCHE BABCOCK BORSIG	SAMSUNG ARAMCO
DEUTSCHE SHELL AG	SARAS
DOW CHEMICALS	SAUDI ARAMCO
DOW DEUTSCHLAND INC. WERK	SHELL
STADE	SIIRTEC NIGI SPA
DSM GEELEN	SIMON CARVES
DUPONT DE NEMOURS	SNAMPROGETTI
DEUTSCHLAND GMBH	SNC LAVALIN / SAIPEM S.A.
ENI S.P.A.	SOLVAY
ENICHEM	SRB
ESSO AG	STATOIL
ESSO REFINERY	STORK
EXXON MOBIL	SULZER TURBO AG
FINA CHEMICALS	TAKREER
FLUOR B.V.	TAMOIL SA
FLUOR DANIEL	TAYLOR WOODROW
FORMOSA HEAVY INDUSTRY	TEBODIN BV
FOSTER WHEELER (IBERICA;	TECHINT
ITALIANA; UK)	TECHNIP (B.V.; ITALY; USA)
GASCO	TECNICAS REUNIDAS
GASUNIE	TECNIMONT
J. RAY Mc DERMOTT	TENGIZCHEVROIL (TCO)
JACOBS	THYSSEN GAS GMBH
JSC TECHNOHIM	TOTAL
KBR	TOYO ENGINEERING GMBH
KOC	WOODSIDE
KRUPP HOESCH STAHL AG	ZADCO
KRUPP UHDE GMBH	



COMPANY PROFILE - REFERENCES

Summary Of Major Projects (cont'd)



Client	End User	Project / Location	Year
BECHTEL	EXXON MOBIL	BEAUMONT REFINERY SCANFINING PROJECT BEAUMONT, TX USA	2016
INBAL	TRANSNET	TRANSNET PIPELINES NEW MULTI PRODUCT PIPELINE PROJECT SOUTH AFRICA	2016
FLUOR	EXXON MOBIL	ODOPTU STAGE 2, SAKHALIN, RUSSIA	2015
JACOBS	CHEVRON	EL SEGUNDO, CALIFORNIA - USA	2015
AIR PRODUCTS	AIR PRODUCTS	HJQ CHINA	2015
FOSTER WHEELER	KENTZ ENERGY SERVICES	SHELL MAJNOON, UAE	2015
BECHTEL	BECHTEL	ANGOLA LNG, ANGOLA	2015
BUMIARMADA	BUMIARMADA	KRAKEN, SINGAPORE	2015
FOSTER WHEELER	EXXON MOBIL	ANTWERP EPC 2 REVAMP & OFFSITE, BELGIUM	2015
WORLEY PARSONS	WOODSIDE	KLE FRAC 1 REFURBISHMENT, AUSTRALIA	2015
JACOBS	EXXON MOBIL	AS SLANGEN RESID PROJECT GATE 2"-24" 150/600 CF3M	2015
AIR PRODUCTS	AIR PRODUCTS	KOWEPO KOREA	2014
SIIRTEC NIGI	JSC MOZYR OR	COMBINED UNIT FOR PRODUCTION OF HIGH OCTANE GASOLINE COMPONENTS - SULPHUR RECOVERY UNIT (SULPHUR-2) MOZYR - BELARUS	2014
TECNIMONT	SLOVNAFT A.S.	LDPE 4 220 KT/Y PROJECT BRATISLAVA - SLOVAK REPUBLIC	2014
AMMONIA CASALE SA.	JSC NEVINNOMISSKY AZOT	REVAMPING OF THE TEC AMMONIA PLANT TO INCREASE THE PLANT CAPACITY NEVINNOMISSKY -RUSSIA	2014
TECHNIP	BRASKEM IDESA SAPI	ETILENO XXI NACHITAL DE LAZARO CARDENAS MEXICO	2014
FOSTER WHEELER ITALIANA	OMV PETROM S.A. PETROBRAZI REFINERY	VGO FCC REVAMP - VGO HM123 REVAMP PRAHOVA BRAZI ROMANIA	2013

COMPANY PROFILE - REFERENCES

Summary Of Major Projects (cont'd)



Client	End User	Project / Location	Year
SIIRTEC NIGI	GAZPROM INVEST LLC	GAS TREATMENT PLANT KAZATCHIYA - RUSSIA	2013
SAIPEM S.P.A.	STAATSOLIE	STAATSOLIE REFINERY EXPANSION PROJECT PARAMARIBO, SURINAME - SOUTH AMERICA	2013
SAUDI ARAMCO	SAUDI ARAMCO	WATER INJECTION FACILITIES ABU ALI SAUDI ARABIA	2012
TECNICAS REUNIDAS / TECNIMONT KT	JUBAIL EXPORT REFINERY	JER REFORMER UNIT 151 – SATORP SAUDI ARABIA	2012
TECNIMONT	POLIMERI EUROPA / ENI RAVENNA	INTEGRAZIONE ATTIVITA' ENI RAVENNA ITALY	2012
SAIPEM S.P.A.	ENI S.p.A. Div REFINING & MARKETING – Raffineria Sannazzaro	IMPIANTO EST ED UNITA' ASSOCIATE FERRERA ERBOGNONE (PV) ITALY	2012
SAUDI ARAMCO	SAUDI ARAMCO	UPGRADE SOUR GAS PIPING AT SHEDGUM GAS PLANT SAUDI ARABIA	2011
TECHNIP	JUBAIL EXPORT REFINERY	JER PACKAGE 2A/5A – SATORP SAUDI ARABIA	2011
FOSTER WHEELER ITALIANA	OMV PETROM S.A.	DAV2 REVAMP ROMANIA	2011
FOSTER WHEELER ITALIANA	OMV PETROM S.A.	COKER COMPLIANCE ROMANIA	2011
SAUDI ARAMCO	SAUDI ARAMCO	MANIFA TRUNK & LATERAL CAUSEWAY SAUDI ARABIA	2011
FOSTER WHEELER ITALIANA	ABU DHABI GAS DEVELOPMENT COMPANY LIMITED / SAIPEM	SHAH GAS DEVELOPMENT PROGRAM	2011
UREA CASALE SA	JSC NEVINNOMISSKY	UREA REVAMPING PROJECT – NEVINNOMISSKY - RUSSIA	2011
TECNIMONT	JSC SIBUR HOLDING	TOBOLSK POLYMER LLC RUSSIA	2011

COMPANY PROFILE - REFERENCES

Summary Of Major Projects (cont'd)



Client	End User	Project / Location	Year
BONATTI	EL MERK ALGERIA	EL MERK PROJECT LOT 2 – EXPORT PIPELINES	2011
BW OFFSHORE	PAPA TERRA JOINT VENTURE	FPSO P-63 OFFSHORE - BRAZIL	2010
SAUDI ARAMCO	SAUDI ARAMCO	HARAD GAS FEED LIMITING CONTROL - HAWIYAH	2010
FOSTER WHEELER UK	EXXON MOBIL CHEMICAL	ENSR HYDROFINER TO ADO PROJECT	2010
BECHTEL	STAR PETROLEUM REFINING COMAPNY	THAILAND	2010
SETE LTD	KJO AL-KHAFJI JOINT OPERATIONS	RENOVATION OF WATER TREATMENT PLANT	2010
J. RAY Mc DERMOTT MIDDLE EAST INC.	SAUDI ARAMCO	KARAN PLATFORMS & POWER KARAN SUBSEA PIPELINES SAUDI ARABIA	2010
SAUDI ARAMCO	SAUDI ARAMCO	KHUFF GAS PROJECT SAUDI ARABIA	2010
BONATTI	SAUDI ARAMCO	SA1201 – UPGRADE ABU ALI PLANT SAUDI ARABIA	2010
CHERO PIPING	SONATRACH	RECUPERATION DES GAZ DE TORCHES A ROM (RGT-ROM) RHOUE MESSAOUD – ALGERIE	2010
FOSTER WHEELER ITALIANA	ESSO BELGIUM ANTWERP REFINERY	ANTWERP HIGH PRESSURE HYDROTREATER ANTWERP - BELGIE	2010
DOW CHEMICAL	DOW CHEMICAL	PROJECT TERNEUZEN THE NETHERLANDS	2010
YARA	YARA	SLUISKIL THE NETHERLANDS	2010
YARA	YARA	MARSA EL BREGA LIBYA	2010

COMPANY PROFILE - REFERENCES



Summary Of Major Projects (cont'd)

Client	End User	Project / Location	Year
UNITED GULF CONSTRUCTION CO.,W.L.L.	KUWAIT OIL COMPANY	NEW EFFLUENT WATER TRANSFER PIPELINES FROM GCS 17, 27 & 28 TO MWIP AND GC-28 EWTS AND TANKAGE UP GRADATION - WEST KUWAIT	2010
FOSTER WHEELER UK	EXXON MOBIL CHEMICAL	PACE PROJECT	2010
AIR PRODUCTS	EXXON MOBIL CHEMICAL	HANKINS NRU PROJECT	2010
EXXON MOBIL CHEMICAL	EXXON MOBIL CHEMICAL	FAWLEY PH2 WCHD F104X MATERIAL UPGRADE PROJECTS	2010
N.V. NEDERLANDSE GASUNIE	N.V. NEDERLANDSE GASUNIE	RS PERNIS PROJECT	2010
AIR PRODUCT	AIR PRODUCT	GAS 8 - SAUDI ARABIA	2010
SPIE-CONTROLEC ENGINEERING B.V.	SPIE-CONTROLEC ENGINEERING B.V.	NOUN CO2	2009
CB&I LUMMUS B.V.	VOF ZUIDWENDING	AARDGASBUFFER ZUIDWENDING PLANT, GRONINGEN, THE NETHERLANDS	2009
FOSTER WHEELER ITALIANA	ESSO BELGIUM ANTWERP REFINERY	ANTWERP HIGH PRESSURE HYDROTREATER ANTWERP - BELGIE	2009
FOSTER WHEELER ITALIANA	HELLENIC PETROLEUM S.A.	THESSALONIKI REFINERY / THESSALONIKI GREECE	2009
TECNIMONT SPA	ABU DHABI POLYMERS COMPANY LIMITED (BOROUGE)	POLYOLEFINS UNITS, PRODUCT HANDLING AND MARINE WORKS BOROUGE 2 PROJECT - RUWAI, U.A.E.	2009
FOSTER WHEELER ITALIANA	LOTUS ENERJI	DCU-SDA PROJECT / TURKMENBASHI, TURKMENISTAN	2009
TECNIMONT SPA	Q-CHEM	Q-CHEM II ETHYLENE DERIVATIVES COMPLEX AT MESAIEED INDUSTRIAL CITY STATE OF QATAR	2009
IDI - INGEGNERIA IDROCARBURI	SARAS S.P.A.	INTERVENTI DI RECUPERO TERMICO / CATALYST COOLER E NUOVI PIATTI STRIPPER REATTORE SARROCH (CA)	2009

COMPANY PROFILE - REFERENCES

Summary Of Major Projects (cont'd)



Client	End User	Project / Location	Year
FOSTER WHEELER ITALIANA	ESSO ITALIANA DISTRIBUZIONE	BIOETHANOL PROJECT ARLUNO (MI) / AUGUSTA (SR) / CHIVASSO (TO)	2009
TECNICAS REUNIDAS	ABU DHABI POLYMERS COMPANY LIMITED (BOROUGE)	BOROUGE – ABU-DHABI - UAE	2009
ODL – OLEODUCTO DES LOS LLANOS ORIENTALES	ODL – OLEODUCTO DES LOS LLANOS ORIENTALES	ESTACION DE BOMBEO RUBIALES COLOMBIA	2009
SNAMPROGETTI S.P.A.	SONATRACH	OLÉODUC LZ2 24'' GPL ASSI R'MEL - ARZEW	2008
SAMSUNG ARAMCO	SAUDI ARAMCO	RAS TANURA DHT	2008
AGIP PETROLI	AGIP PETROLI	GASSIFICAZIONE TAR DA VISBREAKER SANNAZZARO DEI BURGONDI	2008
ENI S.P.A. DIV. REF. & MARKETING	ENI S.P.A.	IMPIANTO ISOCRACKER ED UNITA' ASSOCIATE	2008
ENI S.P.A.	ENI S.P.A.	DEASPHALTING PLANT - SANNAZZARO DEI BURGONDI	2008
SNAMPROGETTI ENI DIV. R&M -	ENI S.P.A.	RAFFINERIA DI TARANTO - PROJ. HYDROCRACKING	2008
TECNIMONT	K.P.P.C.	KUWAIT PARAXYLENE PRODUCTION CO. (K.P.P.C.) AROMATIC COMPLEX PLANT	2008
FOSTER WHEELER IBERICA	BP OIL	REFINERIA DE CASTELLON SPAGNA	2008
FLUOR	SAUDI POLYOLEFINS COMPANY	POLYPROPYLENE EXPANSION PROJECT	2008
OMV	UHDE	GERMANY	2008
SNC LAVALIN / SAIPEM S.A.	SAUDI ARAMCO	SHAYBAH CENTRAL PROCESS FACILITIES	2007

COMPANY PROFILE - REFERENCES

Summary Of Major Projects (cont'd)



Client	End User	Project / Location	Year
SNAMPROGETTI	GASCO	RUWAIS - 3RD NGL TRAIN PROJECT	2007
SNAMPROGETTI	SAUDI ARAMCO	KHURAI CRUDE CONTRACT (KCC) / KHURAI WATER INJECTION FACILITIES (KUC) PROJECTS	2007
SNAMPROGETTI	SAUDI ARAMCO	SOUTHERN AREA SEA WATER CAPACITY EXPANSION QURAYYAH SEA WATER PLANT	2007
SNAMPROGETTI	SAUDI ARAMCO	QATOFIN - 450,000 MTPY OF LLDPE PROJECT - MESAIEED - QATAR	2007
SNAMPROGETTI	SAMIR	SAMIR - MOHAMMEDIA MOROCCO UPGRADE PROJECT	2007
FLUOR B.V.	BAYERNOIL	GERMANY	2007
ECONOSTO INT. B.V.	ABB LUMMUS	KIRISHI HYDROCRACKER PROJECT	2007
BECHTEL TECHNIP JOINT VENTURE	SAUDI ARAMCO	KHURSANIYAH GAS PLANT (KGP) PROJECT	2006
JSC TECHNOHIM	LUKOIL	NEFTCHIMPROEKT	2006
SNC LAVALIN / SAIPEM S.A.	SAUDI ARAMCO	WIPS FACILITIES PROJECT	2006
BEMCO	SAUDI ARAMCO	TWO GRADES OF GASOLINE REQUIREMENT AND ADDITIONAL CAPACITY AT NW/SW BULK PLANT	2006
SNAMPROGETTI	ERG NUOVE CENTRALI S.P.A.	REVAMPING CTE NUCE NORD	2006
FOSTER WHEELER ITALIANA S.P.A.	THE BAHRAIN PETROLEUM COMPANY BSC	REFINERY GAS DESULPHURIZATION PROJECT (RGDP) - SITRA - KINGDOM OF BAHRAIN	2006
FOSTER WHEELER ITALIANA S.P.A.	ESSO BELGIE N.V.	ANTWERP COGENERATION PROJECT ANTWERP - BELGIUM	2006

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Summary Of Major Projects (cont'd)



Client	End User	Project / Location	Year
SOLVAY	SOLVAY	LEONARDO - ROSIGNANO CORE ZONE AND ROSIGNANO NON CORE ZONE	2006
TECHINT	CONSORZIO TURBIGO 800	T800 - TURBIGO REPOWERING	2006
SAIDI	INTECSA UHDE	BP REFINERÍA DE CASTELLON	2006
SNAMPROGETTI	SAUDI ARAMCO	GAS TREAT & COMPRESSION FACILITIES @ HAWIYAH NGL SAUDI ARABIA	2006
TECHNIP B.V.	KHARG OLEFIN COMPLEX	KHARG ETHYLENE PLANT KHARG ISLAND IRAN	2006
PFD	TENGIZCHEVROIL	PFD PROJECT 571502 TENGIZ, KAZAKHISTAN	2005
TECHNIP USA	AIR PRODUCTS	APCI PORT ARTHUR II 15 MMSCFD HYDROGEN PLANT PORT ARTHUR, TEXAS U.S.A.	2005
TECHNIP	EXXON MOBIL	TECHNIP 15 MMSCFD HYDROGEN PLANT JOLIET, ILLINOIS U.S.A.	2005
TECHNIP	AIR PRODUCTS	HYDROGEN PLANT BAYTOWN , TEXAS U.S.A.	2005
TECHNIP	AIR PRODUCTS	HYDROGEN PLANT SARNIA, ONTARIO, CANADA	2005
JACOBS	ESSO NETHERLAND	ESSO NETHERLAND HEATING OIL UPGRADE THE NETHERLANDS	2005
TECHNIP	AIR PRODUCTS	HYDROGEN PLANT CONVENT, LOUISIANA, U.S.A.	2004
TECHNIP	AIR PRODUCTS	HYDROGEN PLANT EDMONTON, ALBERTA, CANADA	2004
FOSTER WHEELER	ERG	ULTRA DESOLFORAZIONE GASOLI PRIOLO GARGALLO ITALY	2004

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Summary Of Major Projects (cont'd)



Client	End User	Project / Location	Year
FOSTER WHEELER	ERSAF	FOS SUR MERE REFINERY AUTO OIL 2 FRANCE	2004
SAUDI ARAMCO	SAUDI ARAMCO	CFC CHILLER REPLCMT PHASE-1 DHARAN, RAS TANURA, AQQAQI AND UDHAILIYA SAUDI ARAMCO	2004
SAUDI ARAMCO	SAUDI ARAMCO	KHUFF GAS PLANT SAUDI ARABIA	2004
LINDE AG	OMV	WIEN REFINERY AUSTRIA	2004
TECHNIP B.V.	PRAX AIR	BP OIL PRAX AIR SPAIN	2004
KVAERNER PROCESS	TEIJIN TWARON	THE NETHERLANDS	2004
SAUDI ARAMCO	SAUDI ARAMCO	JEDDAH REFINERY SAUDI ARABIA	2003
SNAMPROGETTI	SAUDI ARAMCO	QATIF GOSP-2 SAUDI ARABIA	2003
CHICAGO BRIDGE & IRON	SAUDI ARAMCO	QATIF GOSP-2 SAUDI ARABIA	2003
FOSTER WHEELER FRANCE	ERSAF ESSO RAFFINAGE S.A.F.	PORT JEROME 21 GRAVENCHONFRANCE	2003
PARAGON LITWIN	IES SPA	THERMAL CRACKING RAFFINERIA MANTOVA ITALY	2003
TECHNIP ITALY	ABU DHABI OIL REFINING CO. (TAKREER)	UNLEADED GASOLINE LOW SULPHUR GAS OIL ABU DHABI	2003
FOSTER WHEELER ITALY	POLIMERI EUROPA	PRIOLO ITALY	2003
FOSTER WHEELER ITALY	K.P.E. B.V.	CRUDE II DEBOTTLENECKING & DIESEL 2005 PROJECT ROTTERDAM THE NETHERLANDS	2003

COMPANY PROFILE - CONTACT DETAILS

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