

AB PROGETTI



AB PROGETTI S.R.L.

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AB PROGETTI

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AB PROGETTI

SECTION 1

COMPANY INTRODUCTION

AB PROGETTI BRIEF HISTORY

“AB Progetti” was established in 1982, by another company established on 1929, named “Officina Ing. C. Belforte”. The three founding members of AB Progetti were two brothers, A. Belforte and F. Belforte (sons of C. Belforte, owner of the previous company), and S. Bisetti.

“Officina Ing. C. Belforte” was specialised from the 30th years in design and construction of steam jet ejectors and vacuum systems, sea water desalination plants, heat exchangers, condensers and degassers.

But on the late 70th years this market moved on Japan first and later on South Korea, while the orders to Italian shipbuilders was dramatically reduced. In the same time, appeared on the market the electronic computers, allowing companies to have effective and innovative design tools at affordable price.

For those reasons, the two Belforte brothers decided to form a new company dedicated exclusively to design, and in which the computer had a key role from the outset, a very innovative attitude for its time. The young, skilled and given S. Bisetti was the perfect guy to start with them this new adventure.

In a short time, AB Progetti started to design its own products, using its own software (AB Progetti has always been the opinion that it was necessary to internally develop its own dedicated software). In these days, the internal development of its own software, is a characteristic of AB Progetti, which uses it in the same time that important software worldwide applied.

This is what is behind the success of AB Progetti, asserted quickly beside most qualified suppliers for reliability and quality of its products, mainly in the sale of ejectors and vacuum systems.

The most important product of AB Progetti actually are:

- Steam jet ejectors
- Vacuum systems
- Heat exchangers
- Gland condensers
- Main condensers
- Liquid-liquid ejectors
- Ejectors for Urea Plants and Carbamate mixers
- Thermocompressors

The most important application areas of AB Progetti products are:

- Desalination plants (MED plants and MSF plants)
- Power plants and combined cycle plants
- Refinery industries
- Chemical plants
- Urea plants, Ammonia Plants and fertilizers Plant.

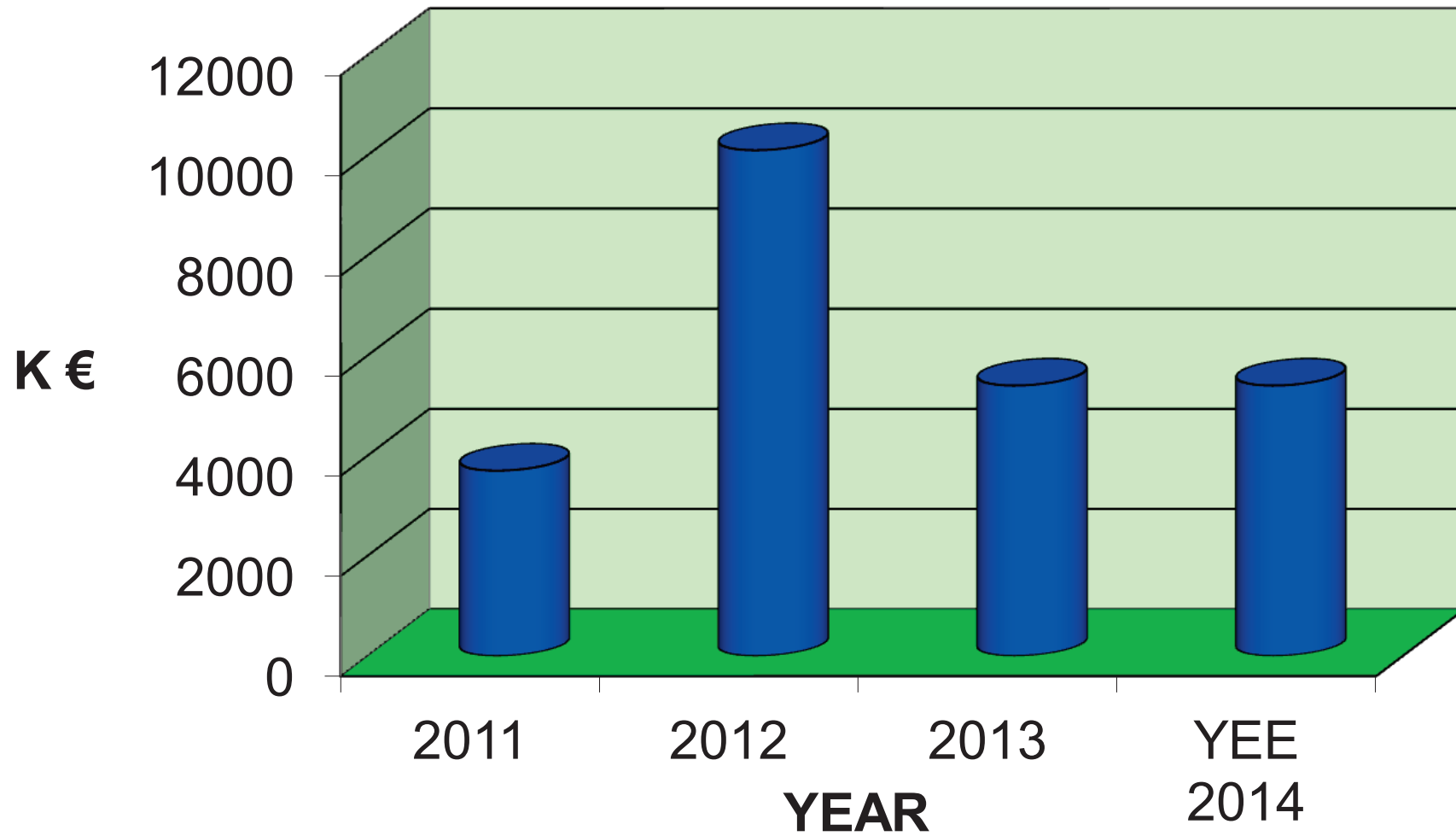
AB PROGETTI

SECTION 2

TURNOVER EVOLUTION

AB PROGETTI

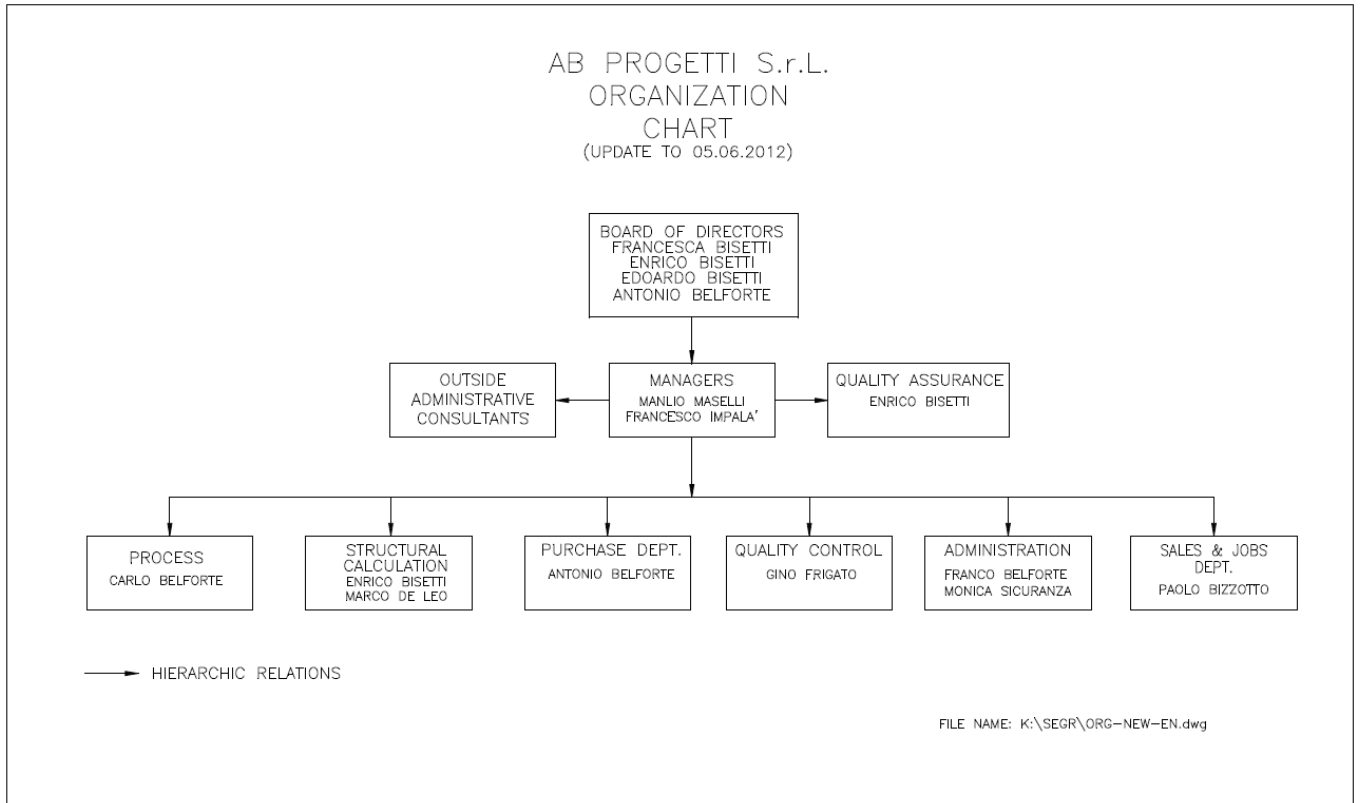
TURNOVER EVOLUTION



AB PROGETTI

SECTION 3

ORGANIZATION CHART & DESCRIPTION OF MAN POWER



DETAILS & DESCRIPTION OF MAN POWER

- **HEADQUARTERS**

Torino (Italy), C.so Vigevano, 46
Tel. +39-011-2485088
Fax +39-011-2483968
Mail: info@abprogetti.com

No. of employees engaged in the following activities:

PROCESS / MECHANICAL DESIGN	7
QUALITY CONTROL	2
PURCHASE DPT	2
SALES AND PROJECT MANAGEMENT	3
QUALITY ASSURANCE	2

- **PRODUCTION UNIT (ASSOCIATED COMPANY) – BIESSE GROUP**

OFFICES	15
PRODUCTION WORKERS	25
QUALITY CONTROL	3

- **PRODUCTION UNIT (ASSOCIATED COMPANY) – U-SCAMBIATORI**

OFFICES	10
PRODUCTION WORKERS	25
QUALITY CONTROL	4

- **PRODUCTION UNIT (ASSOCIATED COMPANY) – SME**

OFFICES	3
PRODUCTION WORKERS	10
QUALITY CONTROL	3

AB PROGETTI

SECTION 4

REFERENCE LIST & PICTURES

AB PROGETTI
MOST IMPORTANT PROJECTS DELIVERED IN LAST 5 YEARS (UPDATED TO MIDDLE OF 2014)
(DESIGN AND FABRICATION)

No.	Project / Client	Equipment	Plant	Total weight	Customer	Location
1) Chemical & Chemical Process						
1.1	Mesaied Fertilizer Plant	No. 5 Vacuum system	Chemical Plant	20 Tons	Tecnimont	Qatar
1.2	Columns vacuum	No. 1 Vacuum system	Chemical Plant	6 Tons	Poilmerieuropa	Mantova -Italy
1.3	Urea Plant	No. 1 Vacuum system	Chemical Plant	30 Tons	UREA CASALE	Russian Federation
1.4	Urea Plant	No. 2 Vacuum system	Chemical Plant	100 Tons	UREA CASALE	Russian Federation
2) Refinery (Vacuum & Hydrocrackers)						
2.1	Isocracking	No. 1 Vacuum system	Refinery	18 Tons	Snamprogetti	Sannazzaro -Italy
2.2	Deasphalting	No. 1 Vacuum system	Refinery	8 Tons	Snamprogetti	Sannazzaro -Italy
2.3	Isocracking	No. 2 Condensers	Refinery	30 Tons	FWI	Lithuanie
2.4	Gasoil dryer	No. 1 Vacuum system	Refinery	20 Tons	Technip	Poland
2.5	VDU	No. 1 Vacuum system	Refinery	100 Tons	ENI	Sannazzaro -Italy
2.6	VDU	No. 1 Vacuum system + LRP	Refinery	100 Tons	Fluor	Portugal
2.7	Gasoil dryer	No. 1 Vacuum system	Refinery	50 Tons	UTE	Russian Federation
2.8	Shah Gas	Ejectors	Refinery	20 Tons	Saipem	Abu Dhabi
2.9	VDU	No. 1 Vacuum system	Refinery	40 Tons	Saipem	Suriname
3) Desalination						
3.1	Ras Abu Fontas B2	No. 2 Vacuum system	Desalination plant	30 Tons	Fisia	Qatar
3.2	Jebel Ali Station L 2	No. 4 Vacuum system	Desalination plant	68 Tons	Fisia	U.A.E.
3.3	Al Tawelaah B Extension	No. 4 Vacuum system	Desalination plant	75 Tons	Fisia	U.A.E.
3.4	Shuaibah IWPP	No. 12 Vacuum system	Desalination plant	550 Tons	Doosan	Saudi Arabia
3.5	Jebel Ali Station M (UAE)	No. 4 Vacuum system	Desalination plant	78 Tons	Fisia	U.A.E.
3.6	Ras Abu Fontas (Qatar)	No. 3 Vacuum system	Desalination plant	45 Tons	Fisia	Qatar
3.7	Shuaiba North (Kuwait)	No. 3 Vacuum system	Desalination plant	55 Tons	Fisia	Kuwait
3.8	Shuweiht S2 (UAE)	No. 6 Vacuum system	Desalination plant	250 Tons	Doosan	U.A.E.
3.9	Ras Al Kahir	No. 8 Vacuum system	Desalination plant	500 Tons	Doosan	Saudi Arabia
3.10	Rabigh Desalination Plant	No. 3 Vacuum system	Desalination plant	50 Tons	Doosan	Saudi Arabia
3.11	Yanbu 15 MIGD	No. 1 Vacuum system	Desalination plant	25 Tons	Doosan	Saudi Arabia
3.12	Yanbu	No. 6 Vacuum system	Desalination plant	250 Tons	Doosan	Saudi Arabia
3.13	Takereer Plant	No. 2 Vacuum system	Desalination plant	30 Tons	Fisia	Abu Dhabi
3.14	Ras Dijnet Power Plant	No. 2 Vacuum system	Desalination plant	25 Tons	Demont	Algeria
3.15	Marafiq	No. 2 Vacuum system	Desalination plant	70 Tons	Doosan	Saudi Arabia
4) Power generation						
4.1	Zawia Combined Plant	No. 3 Vacuum system	Power plant	18 Tons	Doosan	Lybia
4.2	Jebel Ali Power units L2	No. 2 Vacuum system	Power plant	19 Tons	Hyundai	U.A.E.
4.3	Oskarsham (Sweden)	No. 1 Vacuum system	Nuclear Power Plant	20 Tons	Alsthom	Sweden
4.4	Rabigh Power	No 4 vacuum system	Power plant	35 Tons	Doosan	Saudi Arabia
4.5	All around the world	No. 50 (around) Vacuum system	Power plant	8 tons each	Nuovo Pignone and others	All around the world



Philippines
Application Geothermal Plant
2 stages, twin elements,
inter/aftercondensers
direct contact type



Italy
Application Power Plant
Main Condenser

**Saudi Arabia
Application Desalination Plant
Vacuum system**



**Qatar
Application Desalination Plant
Vacuum system
1st stage ejector**



**Qatar
Application Desalination Plant
Vacuum system
Precondenser**



**U.A.E.
Application Desalination Plant
Vacuum system
Precondenser**



U.K.
Application Power Plant
Vacuum system



China
Application Ammonia Plant
Vacuum system



Italy
Application Refinery Plant
Gasoil dryer
Vacuum system



Italy
Application Refinery Plant
VDU
Vacuum system Precondenser



**Russian Federation
Application Ammonia Plant
Vacuum system
Precondenser**



**Russian Federation
Application Refinery Plant
VDU
Vacuum system
1st stage ejector**



Italy
Application Refinery Plant
VDU
Vacuum system
Precondenser



Australia
Application Off-shore Plant
Vacuum system

**Saudi Arabia
Application Power Plant
Vacuum system**



**Portugal
Application Refinery Plant
VDU
Hybrid Vacuum system - Precondenser**



Portugal
Application Refinery Plant
VDU
Hybrid Vacuum system - 3rd stage LRP with gas separator

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SECTION 5

EQUIPMENT LIST

HEAD OFFICE MAIN EQUIPMENT

- **Hardware**

- 2 Hp Server
- 1 Iomega Server
- 2 Firewalls
- 3 Backup Units
- 20 PC Hp Client with Window 7, Linux and MAC
- 2 Plotters
- 3 Lan Printers

- **Thermodynamic Software**

- Internal softwares
- HTRI
- Ansys

- **Mechanical Software**

- Auto Cad
- Advacend Pressure Vessels (Last Edition)
- Micropotol
- Triflex
- Werco

SHOP EQUIPMENT – BIESSE GROUP

- **Building**

- Factory 2000 sq.m.
- Office premises
- Ejectors and vacuum systems inspection test plant

- **Handling equipment**

- No. 1 bridge crane 15 tons
- No. 1 forklift 5 tons

- **General**

- Single workpiece largest dimensions: diam. 3 m, lgt. 15 m., height 3 m., thk 50 mm, weight 40 tons.
- Plasma cutting equipment: Cut dimensions 10,000 x 3,000 mm Max thk 35 mm.
- Oxygen cutting equipment: Cut dimensions 10,000 x 3,000 mm Max thk 200 mm.

Manual and automatic electrical welding machine complete of positioners, grinders, faceplates, vises, workbenchs, gages and so on.

SHOP EQUIPMENT – U-SCAMBIATORI

- **Building**

Factory 5000 sq.m.
Office premises
Ejectors and vacuum systems inspection test plant

- **Handling equipment**

No. 2 bridge crane each 5 tons
No. 1 bridge crane 10 tons
No. 1 mobile crane 15 tons

- **General**

Single workpiece largest dimensions diam. 3 m, lgt. 20 m., height 3 m., thk 50 mm, weight 40 tons.
Plasma cutting equipment: Cut dimensions 10,000 x 3,000 mm Max thk 35 mm
Oxygen cutting equipment: Cut dimensions 10,000 x 3,000 mm Max thk 200 mm

Manual and automatic electrical welding machine complete of positioners, grinders, faceplates, vises, workbenchs, gages and so on.

SHOP EQUIPMENT – Ciriè

- **Building**

Factory 1700 sq.m.
Office premises
Ejectors and vacuum systems inspection test plant

- **Handling equipment**

No. 1 bridge crane 10 tons

- **General**

Single workpiece largest dimensions diam. 3 m, lgt. 12 m., height 3 m., thk 50 mm, weight 25 tons.
Plasma cutting equipment: Cut dimensions 10,000 x 3,000 mm Max thk 35 mm
Oxygen cutting equipment: Cut dimensions 10,000 x 3,000 mm Max thk 200 mm

Manual and automatic electrical welding machine complete of positioners, grinders, faceplates, vises, workbenchs, gages and so on.

CONSTRUCTION MATERIAL

- Carbon steel (all grades)
- Stainless Steel (all grades)
- Titanium
- Copper Nickel (all grades)
- Aluminium Bronze (all grades)
- Duplex and Superduplex (SAF)
- High Austenitic Stainless Steel (like 904L)

WPS AND PQR

All related to the above materials qualified by a Third Part Authority.

AB PROGETTI

SECTION 6

QUALITY POLICY STATEMENT

The AB Progetti Management establishes the policies, the objectives, the commitments and the directives for the quality through his own Quality Manual. The Quality System involves:

- the AB Progetti personnel;
- the products and services management furnished by AB Progetti;
- all the activities involving the Quality

Therefore the Quality Manual outlines the Quality policies and establishes modalities and parts to achieve the following objectives:

- to supply plants / products / services that: answer to requirements and purposes foreseen.
- To supply plants / products / services that: answer to Client expectations.
- To supply plants / products / services that: are corresponding to the law requirements and regulations.
- To supply plants / products / services that: are supplied with competitive prices.
- To purchase from qualified suppliers.
- To have processes more aligned and under control.
- To have a greater documentation.
- To have a better coordination between the business functions.
- To achieve a bigger confidence from Client.

AB PROGETTI

SECTION 7

ISO & ASME CERTIFICATES



QS International

CERTIFICATE

Certificate No. 5024

AB PROGETTI S.r.l.
Corso Vigevano, 46
IT - 10155 TORINO TO

QS SCHAFFHAUSEN AG confirms that the Management System of the company has been assessed and found to be in accordance with the requirements of the following standard:

EN ISO 9001:2008

The Management System includes:

Design and construction of ejectors, heat exchangers condensers/evaporators, vacuum systems and vacuum pumps.

First Certification: **4 May 2012**

This certificate is valid subject to the continued satisfactory compliance of the company's Management System to the standards cited above.

The System is monitored regularly by QS SCHAFFHAUSEN AG.

Date of issue: **8 June 2012**

Valid until: **03 May 2015**

QS Schaffhausen AG
Postfach
CH-8222 Beringen
info@qsinternational.ch



Swiss Certification Service SCEsm 059

Management

CERTIFICATO DI APPROVAZIONE

Si certifica che il Sistema di Gestione per la Qualità di:

Biesse Group srl
Strada Fornacino, 155
10040 Leinì (Torino) – Italia

è stato approvato dal Lloyd's Register Quality Assurance per conformità alle seguenti norme di sistemi di gestione:

ISO 9001:2008

Il Sistema di Gestione per la Qualità si applica a:

**Progettazione, costruzione, commercializzazione ed
installazione di recipienti in pressione e piping inclusi skid
e filtri. Costruzione e montaggio in cantiere di impianti
tecnologici in accordo a specifiche del cliente.**

Certificato di Approvazione Originaria: 22 Luglio 2003
Approvazione N.: LRC 0131155/QMS

Certificato Attuale: 22 Luglio 2012

Scadenza Certificato: 21 Luglio 2015



Emesso da: Lloyd's Register Quality Assurance Italy Srl
per conto di Lloyd's Register Quality Assurance Ltd



001

Questo documento è soggetto alle condizioni riportate sul retro
LRQA Italy – Via Cadorna, 69 20090 Vimodrone (MI)

LRQA Ltd, - registered office 71, Fenchurch Street, London EC3M 4BS United Kingdom.

L'approvazione è eseguita in conformità alle procedure di valutazione e certificazione dell' LRQA e monitorate da LRQA.

L'uso del logo di accreditamento UKAS indica l'accreditamento relativo alle attività coperte dal Certificato do Accredittamento numero 001

CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

Biesse Group srl
Strada Fornacino, 155
10040 Leinì (Torino) – Italia

has been approved by Lloyd's Register Quality Assurance to the following
Quality Management System Standards:

ISO 9001:2008

The Quality Management System is applicable to:

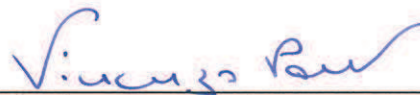
**Design, manufacturing, sales and installation
of pressure vessels and piping including skids
and filters. Manufacturing and installation in site of
technological plants according to customer's specifications.**

Approval
Certificate No: LRC 0131155/QMS

Original Approval: 22nd July 2003

Current Certificate: 22nd July 2012

Certificate Expiry: 21st July 2015



Issued by: Lloyd's Register Quality Assurance Italy Srl
for and on behalf of Lloyd's Register Quality Assurance Limited



001

This document is subject to the provision on the reverse

LRQA Italy – Via Cadorna, 69 20090 Vimodrone (MI)

LRQA Ltd, - registered office 71, Fenchurch Street, London EC3M 4BS United Kingdom.

This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.

The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001

BUREAU VERITAS
Certification



UNIDRO SCAMBIATORI SRL

Sede Legale:

Via Statuto, 10 – 20121 MILANO (MI)

Sede Operativa:

Via Biandrate, 31 – 28060 SAN PIETRO MOSEZZO (NO)

Bureau Veritas Italia spa certifica che il sistema di gestione dell'organizzazione sopra indicata è stato valutato e giudicato conforme ai requisiti della norma di sistema di gestione seguente

Norma

ISO 9001:2008

Campo di applicazione

Progettazione e fabbricazione di apparecchi a pressione e scambiatori di calore.

Settore/i EA di attività: 17

Data d'inizio del presente ciclo di certificazione: **02 luglio 2014**

Soggetto al continuo e soddisfacente mantenimento del sistema di gestione questo certificato è valido fino al: **01 luglio 2017**

Data della certificazione originale: **03 luglio 2008**

Certificate No. 229819

Rev. N. 1 del: **02 luglio 2014**

LODOVICO JUCKER - Local Technical Manager

Indirizzo dell'organismo di certificazione:

Bureau Veritas Italia S.p.A., Via Miramare, 15, - 20126 Milano, Italia



Ulteriori chiarimenti sul campo di applicazione di questo certificato e sui requisiti applicabili della norma del sistema di gestione possono essere ottenuti consultando l'organizzazione. Per controllare la validità di questo certificato consultare il sito www.bureauveritas.it

SGQ	N° 009A	PRS	N° 076C
SGA	N° 006D	SGE	N° 009M
PRD	N° 009B	EMAS	N° 004P
SCR	N° 008F	GHG	N° 008O
FSMS	N° 003I	ISP	N° 006E

Membro degli Accordi di Mutuo Riconoscimento EA e IAF
Signatory of EA and IAF mutual Recognition Agreements

BUREAU VERITAS
Certification



UNIDRO SCAMBIATORI SRL

Registered Site:

Via Statuto, 10 - 20121 MILANO (MI) - ITALY

Operative Unit:

Via Biandrate, 31 - 28060 SAN PIETRO MOSEZZO (NO) - ITALY

Bureau Veritas Italia spa certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

Standard

ISO 9001:2008

Scope of certification

Design and manufacture of pressure vessels and heat exchangers.

EA Sector(s): 17

Certification cycle start date: 02 July 2014

Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: 01 July 2017

Original certification date: 03 July 2008

Certificate No. 229819

Version N. 1 Revision date: 02 July 2014

LODOVICO JUCKER - Local Technical Manager

Certification body address:

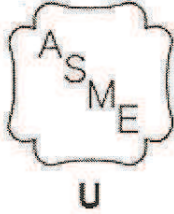
Bureau Veritas Italia spa, Via Miramare, 15, 20126 Milano, Italia



Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation. To check this certificate validity please refer to the website www.bureauveritas.it

SGQ	N° 009A	PRS	N° 076C
SGA	N° 008D	SGE	N° 009M
PRD	N° 009B	EMAS	N° 004P
SCR	N° 008F	GHG	N° 008O
FSMS	N° 003I	ISP	N° 006E

Membro degli Accordi di Mutuo Riconoscimento EA e IAF
Signatory of EA and IAF mutual Recognition Agreements



CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**U-Scambiatori S.r.L.
Via Biandrate, 31
28060 S. Pietro Mosezzo (Novara)
Italy**

SCOPE:

Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)

AUTHORIZED: January 30, 2012
EXPIRES: March 17, 2015
CERTIFICATE NUMBER: 31,727

A handwritten signature in black ink, appearing to read 'Antonio J. Corbelli'.

Vice President
Conformity Assessment

A handwritten signature in black ink, appearing to read 'Paul D. Wyle'.

Director, Accreditation and Certification



**THE NATIONAL BOARD
OF
BOILER & PRESSURE VESSEL INSPECTORS**

Certificate of Authorization



This is to certify that

**U-SCAMBIATORI S.R.L.
VIA BIANDRATE, 31
S. PIETRO MOSEZZO (NOVARA), 28060
ITALY**

is authorized to apply the "NB" mark and register boilers, pressure vessels, or other pressure retaining items with the National Board in accordance with its provisions.

The scope of Authorization is limited to items manufactured in accordance with:

ASME Stamp(s): U

ISSUE DATE: March 19, 2012

EXPIRATION DATE: March 17, 2015

Executive Director

A handwritten signature in black ink, appearing to be 'D. A. ...', written over a faint circular watermark.





Certificate No : MD00/2496/0005/FW

**U-SCAMBIATORI SRL
Via Biandrate 31
28060 S. Pietro Mosezzo No
Italy**

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-

Fusion Welded Pressure Vessels Class 1

This approval is subject to compliance with the Lloyd's Register Rules for the Classification of Ships. The full details of the processes, products and grades to which this approval applies are given in the Appendix of this certificate.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

**Valid Until : 21 May 2014
Date of Issue : 12 September 2011**

Jaspal Nirankari
Principal Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

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Lloyd's Register EMEA is an industrial and provident society and an exempt charity registered in England and Wales, registered number 23592R. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK. A member of the Lloyd's Register Group.



Certificate No : MD00/2496/0005/FW

Appendix 1

U-SCAMBIATORI SRL

Via Biandrate 31

28060 S. Pietro Mosezzo No

Italy

Fusion Welded Pressure Vessels Class 1

Category	Grades	Supply condition	Maximum thickness (mm)	Impact test temperature (degrees Celcius)
Group A	SAW	As Welded or PWHT	20.0	20
	SMAW	As Welded or PWHT	20.0	20
	GTAW	As Welded or PWHT	20.0	20

Also approved for 5 mm (min) Cu-Ni corrosion-resistant weld overlay on 16 mm (min) Carbon steel base metal by SMAW process.

Valid Until : 21 May 2014
Date of Issue : 12 September 2011

Jaspal Nirankari
Principal Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

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Certificate No : MD00/2496/0005/PB

U-SCAMBIATORI SRL
Via Biandrate 31
28060 S. Pietro Mosezzo No
Italy

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-

Fusion Welded Pressure Vessels Class 2.1

This approval is subject to compliance with the Lloyd's Register Rules for the Classification of Ships. The full details of the processes, products and grades to which this approval applies are given in the Appendix of this certificate.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

Valid Until : 21 May 2014
Date of Issue : 22 September 2011

Jaspal Nirankari
Principal Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

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Certificate No : MD00/2496/0005/PB

Appendix 1

U-SCAMBIATORI SRL

Via Biandrate 31

28060 S. Pietro Mosezzo No

Italy

Fusion Welded Pressure Vessels Class 2.1

Category	Grades	Supply condition	Maximum thickness (mm)	Impact test temperature (degrees Celcius)
Group B	SAW	As Welded	20.0	-196
	SMAW	As Welded	20.0	-196
	GTAW	As Welded	20.0	-196
Group C	SMAW	As Welded	8.0	N/A

Impact test carried out on austenitic stainless steel for Group B approval.

Valid Until : 21 May 2014
Date of Issue : 22 September 2011

Jaspal Nirankari
Principal Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

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**THE NATIONAL BOARD
OF
BOILER & PRESSURE VESSEL INSPECTORS**

Certificate of Authorization



This is to certify that

**U-SCAMBIATORI S.R.L.
VIA BIANDRATE, 31
S. PIETRO MOSEZZO (NOVARA), 28060
ITALY**

is authorized to use the "R" SYMBOL in accordance with the provisions of the National Board.

The scope of Authorization is limited as follows:

METALLIC REPAIRS AND/OR ALTERATIONS AT THE ABOVE LOCATION AND EXTENDED FOR FIELD REPAIRS AND/OR ALTERATIONS CONTROLLED BY THIS LOCATION

CERTIFICATE NUMBER: R-8644

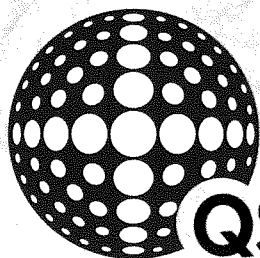
ISSUE DATE: FEBRUARY 16, 2012

EXPIRATION DATE: MARCH 17, 2015



Executive Director

A handwritten signature in black ink.



QS International

CERTIFICATO

Certificato № V-14-1329

SME S.r.l. A SOCIO UNICO

Via Banna, 23

IT – 10073 CIRIE' TO

QS SCHAFFHAUSEN AG certifica che il Sistema di Gestione dell'azienda é stato verificato ed é risultato conforme ai requisiti della normativa:

EN ISO 9001:2008

Questa certificazione del Sistema di Gestione é valida per il seguente campo applicativo:

Produzione di strutture metalliche elettrosaldate con procedimenti di saldatura qualificati. Recipienti in pressione, caldareria e piping.

Prima certificazione: **13 novembre 2011**

La validità del presente certificato, a partire dalla data sottostante, é subordinata al superamento di una sorveglianza annuale pianificata ed eseguita da parte di QS SCHAFFHAUSEN AG.

Data di emissione: **03 novembre 2014**

Data di scadenza: **02 novembre 2017**

QS Schaffhausen AG
Postfach
CH-8222 Beringen
info@qsinternational.ch



La direzione dell'Organismo