



BAASSI
GROUP



Innovation manufacturing engineering

BASSIGROUP Companies

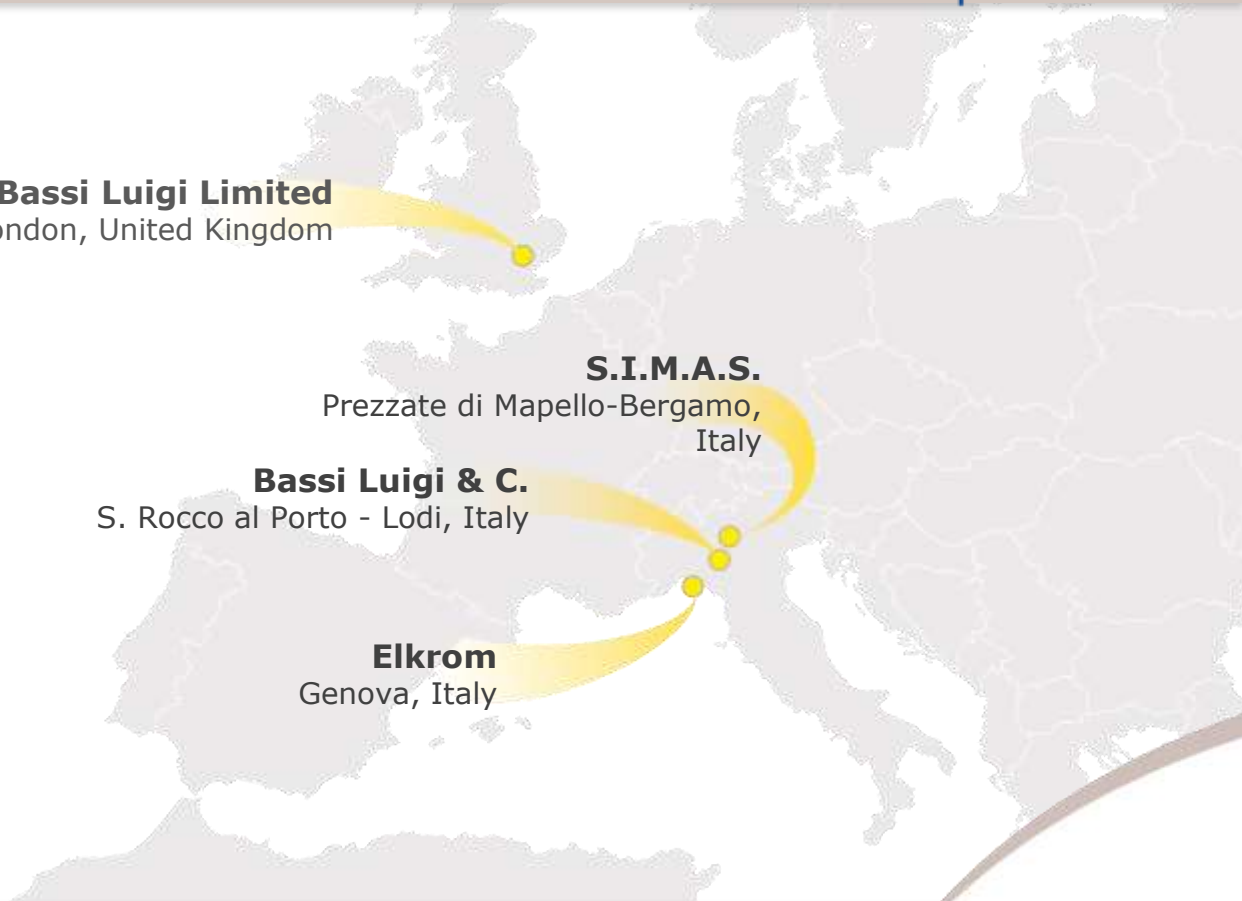
An internationally operating group of companies, providing the best quality in engineering, manufacturing and commissioning.

Bassi Luigi Limited
London, United Kingdom

S.I.M.A.S.
Prezzate di Mapello-Bergamo,
Italy

Bassi Luigi & C.
S. Rocco al Porto - Lodi, Italy

Elkrom
Genova, Italy



Quality & experience

The Bassi Group is composed of **4 companies** which have been operating in **Oil & Gas** and **Power Generation for a very long time.**

Our diverse experience has enabled us to **support clients' requests and their even** more challenging technological needs.

Bassi Luigi & C. S.p.A.

Italy - Lodi

Is the group leader. It is the centre of financial activities and the manufacturing site for hot formed fittings, piping spools, manifolds and slug catchers. The company was founded in 1962.



ELKROM S.r.l.

Italy - Genova

Joined the group in 2010. It has increased the knowledge in power generation with its kind of activities: control boards, mechanical skids and fully integrated systems.



S.I.M.A.S. S.p.A.

Italy - Bergamo

Was acquired in 1994 in order to increase the range of production. It is the manufacturing site for heat exchangers, pressure vessels and induction bends.



BASSI LUIGI LTD

UK - London

Was founded in UK in the early 2011 as a sales office to extend our business internationally.

Innovation & development

Continuous improvement is one of the Group's main guidelines in developing production facilities, design and calculation methods and **human resources skills.**



Plant Facilities

Monthly production

Fittings and Bending	3.800 tons
Prefabrication	1.500 tons

Plant Facilities

Number of employees

Engineering	24
Production	230
Quality Control /Assurance	29
Sales, Admin. Etc.	31

Total: 314

BASSIGROUP Production Areas

Excellence in the production areas

A long experience in design and manufacturing of special components allows the Bassi Group to propose **even more efficient solutions** to specific and **challenging needs** of our clients.



POWER GENERATION

(thermal & nuclear)

Thermoelectric plants, nuclear plants, geothermal plants, hydroelectric plants, wind power generation plants and other renewable energy systems.

Engineering and construction of modular mechanical skids

POWER GENERATION

(thermal & nuclear)

Engineering and construction of electrical L. V.

Switch board-control and instrumentation panel

Erection and instrumentation system

OFF-SHORE

Riser spools, manifolds, launching and receiving traps, barred tees, sphere tees and bends are the range of products usually provided by our facilities. In order to be resistant against internal and external corrosion, our components are produced using nickel alloy or clad materials.

OIL & GAS

Extraction: from both onshore and offshore gas and oil platforms

Transmission: through pipelines from nation to nation and even from continent to continent with the relative compression stations to compensate the loss of pressure



OIL & GAS

Treatment: gas filtration in order to eliminate solid parts in the gas after extraction



PETROCHEMICAL

Plants for transformation
and expansion



BASSIGROUP Products & Realisations



BASSIGROUP Products & Realisations



PREFABRICATIONS



FITTINGS



BENDS



ENGINEERING

Prefabrications

Pressure Vessels

Diameters: up to 195" (5.000 mm)

Thickness: max 180 mm

Weight: max 190 tons

Materials: Carbon steel, Low-temp steel, Alloy steel, Stainless steel, Duplex, Super-Duplex, CRA clad; Alloys of nickel, copper, aluminum and titanium



Prefabrications

Heat Exchangers

Diameters: up to 195"

Thickness: max 180 mm

Weight: max 150 tons

Materials: Carbon steel, Low-temp steel, Alloy steel, Stainless steel, Duplex, Super-Duplex, CRA clad; Alloys of nickel, copper, aluminum and titanium





Prefabrications
Slug Catchers Fingers Type

Diameters: up to 120"

Thickness: max 180 mm

Weight: approx. 6.000 tons

Materials: Carbon steel, Low-temp steel, Stainless steel, Duplex, Super-Duplex, CRA clad

Prefabrications

Slug Catchers Vessel Type

Diameters: up to 195" (5.000 mm)

Thickness: max 180 mm

Weight: max 190 tons

Materials: Carbon steel, Low-temp steel, Stainless steel, Duplex, Super-Duplex, CRA clad





Prefabrications
Skids

Engineering and construction of modular and mechanical skids for pumping, filtering, treatment and distribution of water, lubricant oils, fuel oils, chemical, air and other gas.

Prefabrications
Electrical Switchboards

Engineering and construction of electrical LV switchboards, protection, control and instrumentation panels, sampling and instrumentation racks.





Fittings

Diameters: from 1" to 130"

Thickness: from 3 mm to 180 mm

Materials: Carbon steel, Low-temp steel, Carbon steel high yield strength (up to X 80), Alloy steel, Stainless steel, Duplex, Super-Duplex, CRA clad; Alloys of nickel, copper, aluminum and titanium



TEE 90 ' X72" W.T.H. 20
ASTM

Fittings

Diameters: from 1" to 130"

Thickness: from 3 mm to 180 mm

Materials: Carbon steel, Low-temp steel, Carbon steel high yield strength (up to X 80), Alloy steel, Stainless steel, Duplex, Super-Duplex, CRA clad; Alloys of nickel, copper, aluminum and titanium



Fittings





Bends

Diameters: from 2" to 60"

Thickness: max 200 mm

Materials : Carbon steel, Low-temp steel, Carbon steel high yield strength (up to X 80), Alloy steel, Stainless steel, Duplex, Super-Duplex, CRA clad; Alloys of nickel, copper, aluminum and titanium

Bends

Diameters: from 2" to 60"

Thickness: max 200 mm

Materials : Carbon steel, Low-temp steel, Carbon steel high yield strength (up to X 80), Alloy steel, Stainless steel, Duplex, Super-Duplex, CRA clad; Alloys of nickel, copper, aluminum and titanium

Bends





Engineering
Mechanical Design

Wall thickness calculation as per **international codes** or **client special requests**.

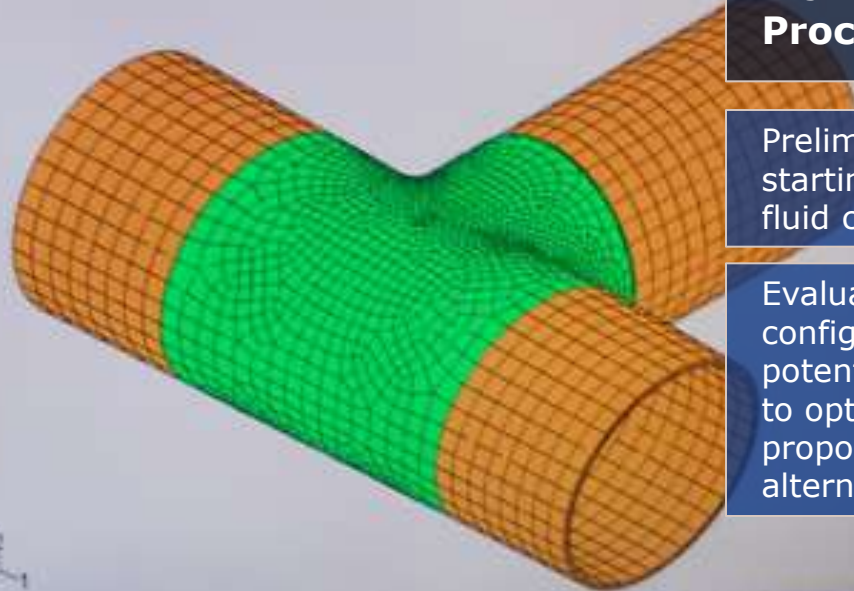
Stress Analysis and **Finite Element Analysis**.

Interaction with other suppliers of the same project using PDMS or similar Software.

Engineering **Process Design**

Preliminary geometrical design, starting from process purpose and fluid chemical/physical parameters

Evaluation of the best material configuration according to the fluid potential corrosive action (in order to optimise pipe wall thickness or to propose internal cladding or alternative scenarios).

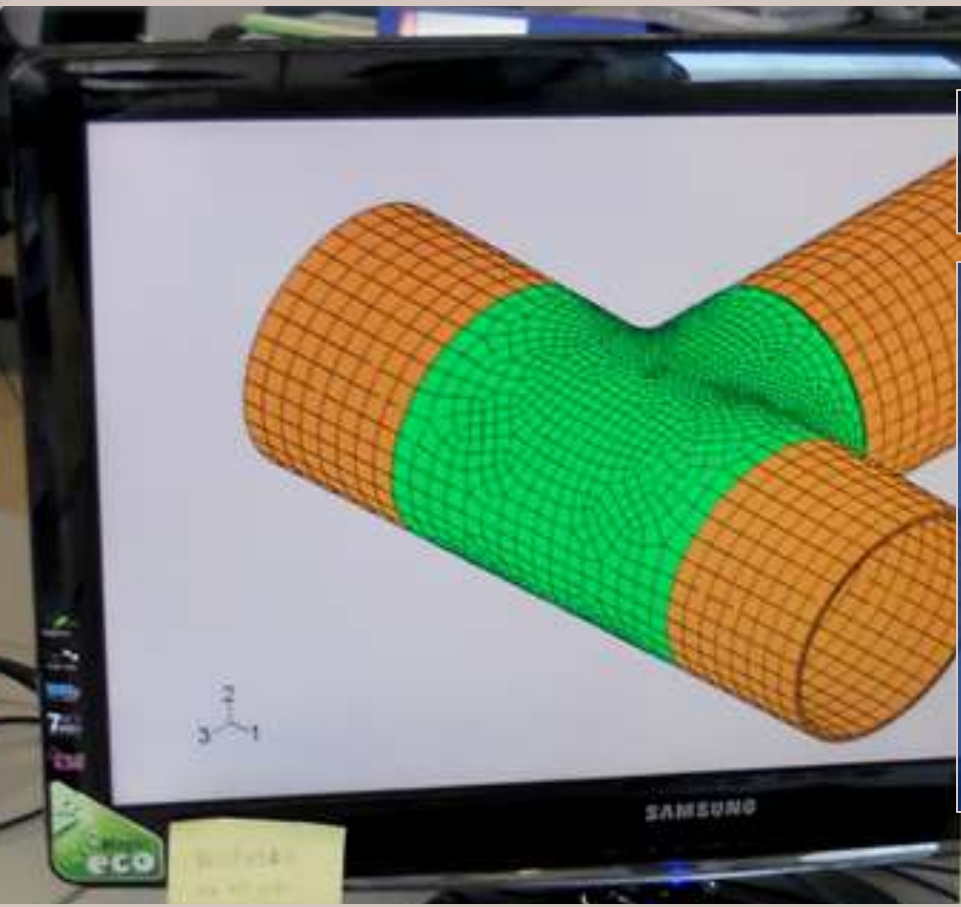


Engineering Process Design

Computational Fluid Dynamics (**C.F.D.**) provides a qualitative prediction of fluids flows by means of:

- mathematical modelling
- numerical methods
- software tools

The main purpose is to enable scientists and engineers to perform "numerical experiments" (i.e. Computer simulations) in a "virtual flow laboratory"



BASSIGROUP Certifications

High quality and certifications

Our quality management system ensures our products are delivered according to an integrated system of quality. Our products are manufactured using tested raw materials, monitored processes and accurate final testing.



High quality and certifications

Experienced personnel operate following international codes and specific customer requests. The Bassi Group has obtained strategic approvals in order to provide an high service standard in design, manufacturing and commissioning.



Quality

Quality Management System ISO 9001:2008



DNV BUSINESS ASSURANCE MANAGEMENT SYSTEM CERTIFICATE

Certificato No. / Certificate No. **CERT-00040-02-AQ-MIL-SINCERT**

Si attesta che / This is to certify that

Industria Meccanica Bassi Luigi & C. S.p.A.

Via Buttirone, 1 - 26865 San Rocco al Porto (LO) - Italy

*E' conforme ai requisiti della norma per i sistemi di gestione:
Has been found to conform to the management system standard:*

UNI EN ISO 9001:2008 (ISO 9001:2008)

*Questa certificazione è valida per il seguente campo applicativo:
This Certificate is valid for the following product or service ranges:*

Progettazione e costruzione di raccordi a saldare in testa (standard e speciali) e curve a raggio lungo in tutti i tipi di acciai al carbonio, legati, inossidabili e leghe speciali. Prefabbricazione e montaggio in opera di tubazioni e collettori a disegno (Settore EA : 17)

Design and manufacture of butt weld (standard and special) fittings and hot bend in carbon steel, alloy steel, stainless steel and special alloy steel. Fabrication and on site assembly of pipe spools and manifolds as drawing (Sector EA : 17)

Data Prima Emisione/Initial Certification Date:

1992-12-15

Il Certificato è valido fino al:

This Certificate is valid until:

2015-03-16

Quando è stato eseguito sotto la supervisione di
The audit has been performed under the supervision of

Pier Luigi Raccoti



ACCREDIA
Società a partecipazione paritetica
di CONFERMA, UNICREDITO
e ASSOCIATO
Via S. Pietro all'Orto, 15
00187 Roma, Italia
Tel. +39 06 498111
www.accredia.it

Lunga e data / Place and date:

Agrate Brianza, (MB) 2012-03-15

Per l'autorizzazione di Certificazione:

For the Accredited Unit:

Zeno Beltrami



DNV BUSINESS ASSURANCE MANAGEMENT SYSTEM CERTIFICATE

Certificato No. / Certificate No. **120253-2012-Q-ITA-DNV**

Si attesta che / This certifies that

Il sistema di gestione per la qualità di / the quality management system of

Industria Meccanica Bassi Luigi & C. S.p.A.

Via Butirone, 1 - 26865 San Rocco al Porto (LO) - Italy

È conforme ai requisiti della Specifica Tecnica per i sistemi di gestione per la qualità:
Conforms the requirement of the Technical Specification for quality management systems:

ISO/TS 29001:2010

**Petroleum, petrochemical and natural gas industries - Sector-specific quality management systems
Requirements for product and service supply organizations**

Questa certificazione è valida per il seguente campo applicativo:
This Certificate is valid for the following product or service ranges:

**Progettazione e costruzione di raccordi a saldare in testa (standard e speciali)
e curve a raggio lungo in tutti i tipi di acciai al carbonio, legati, inossidabili e leghe speciali,
Prefabbricazione e montaggio in opera di tubazioni e collettori a disegno (Settore EA : 17)**

**Design and manufacture of butt weld (standard and special)
fittings and hot bend in carbon steel, alloy steel, stainless steel and special alloy steel.
Fabrication and on site assembly of pipe spools and manifolds as drawing (Sector EA : 17)**

Data Prima Emissione/Initial Certification Date:

2012-08-03

Il Certificato è valido fino al:

This Certificate is valid until:

2015-08-03

L'audit è stato eseguito sotto la supervisione di/
The audit has been performed under the
supervision of

Giovanni Di Ruzza
Lead Auditor

Luogo e data/Place and date:

Agrate Brianza, (MB) 2012-08-03

Per l'organismo di Certificazione:

For the Accredited Unit:



Zeno Beltrami
Management Representative



Health and Safety

Quality Management System ISO 29001:2010



Health and Safety

Occupational Health and Safety Assessment Series OHSAS 18001



Certificat Certificate

N° 2010/37740

AFNOR Certification certifie que le système de management mis en place par :
AFNOR Certification certifies that the management system implemented by:

BASSI LUIGI e C. SPA

pour les activités suivantes :
for the following activities:

**COSTRUZIONE DI RACCORDI A SALDARE IN TESTA (STANDARD E SPECIALI)
E CURVE A RAGGIO LUNGO DA 1" A 102", IN TUTTI I TIPI DI ACCIAI AL CARBONIO,
LEGATI, INOSSIDABILI E LEGHE SPECIALI.
PREFABBRICAZIONE, MONTAGGIO IN OPERA DI TUBAZIONI
E COLLETTORI A DISEGNO E SUPERVISIONE.**

**MANUFACTURING OF BUTT WELDING (STANDARD AND SPECIAL)
AND HOT BENDING FITTINGS FROM 1" TO 102" IN CARBON STEEL, ALLOY STEEL,
STAINLESS STEEL AND SPECIAL ALLOY STEEL.
PREMANUFACTURING AND ON-SITE ASSEMBLY OF PIPE SPOOLS
AND MANIFOLDS AS DRAWING AND SUPERVISION.**

a été évalué et jugé conforme aux exigences requises par :
has been assessed and found to meet the requirements of:

ISO 14001 : 2004

et est déployé sur les sites suivants :
and is deployed on the following locations:

Via Buttrone, 1 - 26003 SAN ROCCO AL PORTO - LODI - ITALIA

Quantité et validité de copies de certificats (The certificate is valid for (certificates))

2010-07-15

Version /
Issue

2013-07-14

Directeur Général AFNOR Certification

Managing Director of AFNOR Certification



F. BÉGAUX



Health and Safety

Environmental Management Systems (EMS) ISO 14001



Nuclear Pressure Components

Certificate of Quality System Approval according to RCC-M module H as per French ESPN

Bureau Veritas S.A. is a Notified



Body under the number 0062

ATTESTATION D'APPROBATION DE SYSTEME DE QUALITE CERTIFICATE OF QUALITY SYSTEM APPROVAL N° ESPN-0062-H-BAS 001-10-ITA

BUREAU VERITAS S.A., organisme notifié sous le n°0062, agissant dans le cadre de son agrément pour l'évaluation de la conformité des équipements sous pression nucléaires (ESPN) au titre de l'arrêté ministériel du 12 décembre 2005, atteste que le système de qualité appliqué par le fabricant pour la conception, la fabrication, l'inspection finale et les essais des équipements sous pression identifiés ci-après, a été examiné et est conforme aux prescriptions du module H de l'annexe II du décret n°93-1046 du 13 décembre 1993 modifié, complété par l'arrêté ministériel du 12 décembre 2005.

BUREAU VERITAS S.A., noty body number 0062, acting within the scope of its agreement for the conformity assessment of nuclear pressure vessels, attests that the quality system operated by the manufacturer for design, manufacture, final inspection and testing of the pressure equipment identified hereunder has been examined against the provisions of annex II, module H, of the French decree number 93-1046 dated December 13th, 1993 and solely to the French ministry order dated December 12th, 2005 which apply to it.

Fabricant (factory) / Manufacturer (Nome): **INDUSTRIA MECCANICA BASSI LIGDI & C.S.p.A**

Adresse / Address: **Via Buttone, 1 26865 San Rocco al Porto (Lodi) - ITALY**

Marque commerciale / Branding name: **BASSI LIGDI & C.S.p.A**

Description des équipements / Equipment description

Tuyauterie en acier intégrant des composants spéciaux - accessoires sous pression (suivant RCCM)
Pipings with special fittings - pressure accessories (according to RCCM code)

Identification des équipements concernés (à joindre en cas d'échec): **Voir détail en annexe**
Identification of equipment concerned (to be attached where necessary): **See appendix for details**

Cette attestation est valable jusqu'à / This certificate is valid until: **02 Nov. 2013**

La maintenance de l'approbation est assurée à la réalisation par le Bureau Veritas des audits, essais et vérifications selon le contrat signé par le fabricant et le Bureau Veritas.

The approval is conditional upon the surveillance audits, tests and verifications to be carried out by Bureau Veritas, as per the provisions stated in the agreement signed by both the manufacturer and Bureau Veritas.

Cette attestation est pérennée nulle et le fabricant supportera seul les conséquences de son utilisation, si les assurances - garanties par le fabricant lors de la demande d'intervention - au titre (a) d'application de son système qualité approuvé, (b) de conformité de son équipement au type et (c) d'inspection et d'essai. Ses produits finis ne relèvent d'aucun et, de manière générale, le fabricant ne respecte pas l'une ou l'autre des obligations liées à sa charge par l'arrêté ESPN du 12 décembre 2005. Voir Note (1).

This certificate shall be deemed to be void and the manufacturer shall alone bear any consequences (passant to its use, where the manufacturer fails to comply with his undertakings as per the agreement in respect of (a) implementation of the approved quality system, (b) conformity of the equipment with the type and (c) inspection and tests on the final product, and generally where the manufacturer fails in particular to comply with any of his obligations under the order ESPN of December 12th, 2005. See Note (1).

Marque / Issued at	Lé / On	Revisé par / Revised by	Vérifié par / Checked by
Lyon	09/11/2010	 S. LACOMBE	 A. REIGIEUX

L'avis d'inspection / Inspection code: **0163318 Ital. 31**

La présente attestation est soumise aux Conditions Générales de Service de Bureau Veritas parties à ce document. Cette attestation est soumise aux Conditions Générales de Service applicables à ce document.



Nuclear Pressure Components

Certificate of Quality System Approval according to RCC-M module H as per French ESPN

Bureau Veritas S.A. in a Notified



Body under the number 0062

ATTESTATION D'APPROBATION DE SYSTEME DE QUALITE CERTIFICATE OF QUALITY SYSTEM APPROVAL N° ESPN-0062-H-BAS-001-10-ITA

EAU VERITAS S.A., organisme notifié sous le n°0062, agissant dans le cadre de son agrément pour l'évaluation et la conformité des équipements sous pression nucléaires (ESPN) au titre de l'arrêté ministériel du 12 décembre 2005, atteste que le système de qualité appliqué par le fabricant pour la conception, la fabrication, l'inspection finale et aussi des équipements sous pression identifiés ci-après, a été examiné et est conforme aux prescriptions du titre H de l'annexe II du décret n°93-1046 du 13 décembre 1993 modifié, complété par l'arrêté ministériel du 12 août 2005.

EAU VERITAS S.A., notly body number 0062, acting within the scope of its agreement for the conformity assessment of nuclear pressure vessels, attests that the quality system identified hereunder has been examined against provisions of annex II, module H, of the French decree number n°93-1046 dated December 13th, 1993 and safely in French ministry order dated December 12th, 2005 which apply to it.

Client (client) / Manufacturer (Name): **INDUSTRIA MECCANICA BASSI LUIGI & C.S.p.A**

Site / Address: **Via Buttironi, 1 26865 San Rocco al Porto (Lodi) - ITALY**

Site commercial / Branding name: **BASSI LUIGI & C.S.p.A**

Objet des équipements / Equipment description:
asnières en acier intégrant des composants spéciaux - accessoires sous pression (suivant RCCM)
flgs with special fittings - pressure accessories (according to RCCM code)

Évaluation des équipements concernés (liste en annexe si cas échéant): **Voir détail en annexe**
Evaluation of equipment concerned (list attached where necessary): **See appendix for details**

La certification est valable jusqu'au / This certificate is valid until: **02 Nov. 2013**

Le nombre de l'approbation est soumis à la vérification par le Bureau Veritas des audits, essais et vérifications selon le cas exigé par le fabricant et le Bureau Veritas.
approval is conditional upon the surveillance audits, tests and verifications to be carried out by Bureau Veritas, as the provisions stated in the agreement signed by both the manufacturer and Bureau Veritas.

L'attestation est pérennée seule et le fabricant supportera seul les conséquences de son utilisation, si les vérifications - demandées par le fabricant lors de la demande d'intervention - au titre (a) d'application de son système de qualité approuvé, (b) de conformité de son équipement au type et (c) d'inspection et d'essai. Ses produits finis ne sont dissociés et, de manière générale, le fabricant ne respecte pas l'une ou l'autre des obligations liées à ce qui par l'arrêté ESPN du 12 décembre 2005. Voir Note (1).
certificate shall be deemed to be void and the manufacturer shall alone bear any consequences (passant to its) when the manufacturer fails to comply with his undertakings as per the agreement in respect of (a) implementation of the approved quality system, (b) conformity of the equipment with the type and (c) inspection and on the final product, and generally where the manufacturer fails in particular to comply with any of his obligations in the order ESPN of December 12th, 2005. See Note (1).

EMISE / Issued at:	Le / On:	Revisé par / Revised by:	Validé par / Checked by:
Lyon	09/11/2010	S. LACOMBE	A. REUGEUX

Site d'approbation / Registration code: **0163118 Ital. 31**

Le présent attestation est soumise aux Conditions Générales de Service de Bureau Veritas parties à ce document et mentionnées ci-dessous. This certificate is subject to the terms of Bureau Veritas' General Conditions of Service attached to the agreement signed by the

Bureau Veritas S.A. in a Notified Body under the number 0062

ANNEXE à l'attestation d'approbation de système de qualité
ANNEXE to the certificate of quality system approval
N° ESPN-0062-H-BAS-001-10-ITA

Liste des équipements concernés (1)
List of the concerned equipment

DESCRIPTION	Niveau ESPN	Catégorie de risque
TUYAUTES EN TOUS DIAMETRES INTEGRANT DES COMPOSANTS SPECIAUX - SOUDES / SANS SOUDURE (ACIER CARBONE, ACIER INOX, SERRURE, ACIER INOXYDABLE ALUMI, ACIER ALUMI)	Niveau H2	1 à 3
RINGS AND FLANGES INCLUDING SPECIAL FITTINGS - WELDED OR WELDED (CARBON STEEL, STAINLESS STEEL, LOW ALLOY STEEL, AND HIGH ALLOY STEEL)	Niveau H2	1 à 3
DESCRIPTION	Niveau ESPN	Catégorie de risque
ACCESSOIRES SOUS PRESSION (BARILLET VAPEUR, ACIER CARBONE, ACIER INOXYDABLE, ACIER INOXYDABLE ALUMI, ACIER ALUMI)	Niveau H2	1 à 3
PRESSURE ACCESSORIES (STEAM BARREL, CARBON STEEL, STAINLESS STEEL, LOW ALLOY STEEL, AND HIGH ALLOY STEEL)	Niveau H2	1 à 3

CODE DE CONSTRUCTION : **RCCM Edition 2007 - variante 2008 - 2009**

Note (1) :
Cette annexe sera valide à compter de la réception du programme de production détaillé. This annex will be valid upon reception of the detailed production schedule.



Nuclear Pressure Components

NNSA (National Nuclear safety administration) – Chinese Nuclear Approval





Nuclear Pressure Components

NNSA (National Nuclear safety administration) – Chinese Nuclear Approval

制造类注册登记范围

设备类别	设备品种/设备名称	核安全级别	主要制造工艺	备注
管道和管配件	管道预制	2	热成型	1. 核安全 1 级管配件不包括在注册范围内。 2. 管接件材料须为碳钢。 3. 主要工艺为冷弯、高频电阻焊、埋弧焊、100%射线探伤、超声波探伤、全焊试块、X 射线探伤等。 4. 核素种类由用户确定。
	管道和管配件	1、2、3	热成型	
	管道和管配件	2、3	热成型	

注册登记条件

(一) 遵守中华人民共和国法律、行政法规和核安全监管规定，并对本单位的注册质量负责；

(二) 按照注册登记的范围，从事中华人民共和国境内民用核设施民用核安全设备制造活动，接受国家核安全局及其派出机构的监督检查；

(三) 使用的民用核安全设备制造标准符合国家的强制性标准；

(四) 质量管理体系符合有关规定，必须有有效的质量管理体系。



中华人民共和国民用核安全设备活动 境外单位注册登记确认书

注册登记确认书 1028 号

单位名称： INDUSTRIA MECCANICA BASSI LUIGI E C. S.P.A.

单位所在国： Italy

单位住所： MILANO (MI) VIA MERLO 0003 CAP 20122

法定代表人： Leonardo Bernani

活动类别： 民用核安全机械装备制造

设备类别： 管道和管配件（详见注册登记范围）

安全级别： 核安全 1、2、3 级

发证日期： 2010 年 10 月 26 日

有效期至： 2015 年 10 月 25 日

批准人：李平



中华人民共和国国家核安全局



CERTIFICATE

Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG

certifies, that the company

BASSI LUIGI & C. Industria Meccanica S.p.A.
Via Buttirone, 1
I-26865 San Rocco al Porto (LO)

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07-202-1326-WP-1066/11

The range of validity and details of the inspection can be taken from
our Letter of Confirmation no. 1326WL35810

The company fulfils the following essential requirements:
Facilities permitting appropriate manufacturing and inspection corresponding to the present
technical standards, quality assurance, which guarantees that manufacturing and inspection of products stated
in our scope of approval are carried out in accordance with technical regulations,
competent supervising and inspecting personnel.

This certificate is valid until

June 2014



Hertsburg, 2011-07-15

Marek
Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG
Hertsburg, Reg.-No. 2045



Quality

TUV AD2000 Merkblatt W0



Quality

TUV AD2000 Merkblatt WO



CERTIFICATE

Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG

certifies, that the company

BASSI LUIGI & C. Industria Meccanica S.p.A.
Via Buttirone, 1
I-26865 San Rocco al Porto (LO)

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt WO

Certificate-No.: 07-202-1326-WP-1066/11

The range of validity and details of the inspection can be taken from
our Letter of Confirmation no. 1326WL35810

The company fulfils the following essential requirements:
- facilities permitting appropriate manufacturing and inspection corresponding to the present
stand, quality assurance, which guarantees that manufacturing and inspection of products stated
in our scope of approval are carried out in accordance with technical regulations,
- competent supervising and inspecting personnel.

This certificate is valid until

June 2014



Marrak
Marrak
Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG
Notified Body Reg. No. 0145

07-15



CERTIFICATE

Quality Assurance System
for Material Manufacturer
acc. to Pressure Equipment Directive 97/23/EC

Certificate no.: 07-202-1326-WP-1066/11

Name and address
of manufacturer: **BASSI LUIGI & C. Industria Meccanica S.p.A.**
Via Buttirone, 1
I-26865 San Rocco al Porto (LO)

This is to certify that the manufacturer has implemented and applies a QA System.
This QA System has been subjected to a specific assessment for material acc. to Directive
97/23/EC with regard to the materials mentioned within the scope of approval.

Approved: **QA System acc. to Directive 97/23/EC Annex I, sec. 3.1**
and 4.3

AcSR report no.: **1326WL35810**

Scope of approval: **Fittings from ferritic and austenitic steels**

Details of the scope are mentioned in the annex of the
certificate AD2000-Merkblatt WO

Production site: **I-26865 San Rocco al Porto (LO)**

The manufacturer declares of the essential procedures and equipments as well as the required
qualified personnel to ensure quality of manufacturing and testing the materials and products
mentioned in the scope of approval.

Hamburg, 2011-07-15



Marrak
Marrak
Certification Body
for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG
Notified Body Reg. No. 0145

Branch of authority
certified to DIN EN ISO 9001
TUV NORD System GmbH & Co. KG
Luisenparkstraße 1A
D-22529 Hamburg
Germany
Tel: +49 (0) 40 4007 2000
Fax: +49 (0) 40 4007 21 01
E-Mail: info@tuev-nord.de



CERTIFICATE

The Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG

certifies that the company

INDUSTRIA MECCANICA BASSI LUIGI & C Spa

has been verified and recognized
as manufacturer of

Manufacturer of Pressure Equipment and Piping Systems

according to the rules of

AD 2000-Merkblatt HP0

Certificate-no.: 07-202-1326-HP-3044/11

The range of validity and details of the inspection can be taken from our

Report-no.: M/9109/10/L

The company has established a product-related quality system
together with personnel and equipment, which ensures
manufacturing and testing corresponding to the technical rules.

This certificate is valid until

September 2014

Hertford, 2011-12-21



Martin
Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG
(Notified Body, Reg. -No. 0042)



Quality

TUV AD2000 Merkblatt HP0



CERTIFICATE

Verification of manufacturer
for pressure vessels
according to Pressure Equipment Directive 97/23/EC

Certificate-No.: 07-202-1326-W2-3044/11

Name and address of
manufacturer: INDUSTRIA MECCANICA BASSI LUIGI & C Spa
Via Buttirone
I – 28085 San Rocco al Porto (LO)

This is to certify that the manufacturer has demonstrated proven experience for unit verification
according to directive 97/23/EC and fulfills the standard quality requirements.

Verification: Manufacturing according to directive 97/23/EC Annex I,
Appendix 3.1
Technical rule / regulation: PED 97/23/EC / AD 2000-Merkblatt HP8 /
DIN EN ISO 3834-3 (EN 729-3)
Test report no.: M/9106/16/L
Scope: Manufacturer of Pressure Equipment and Piping
Systems
Manufacturing location: I – 28085 San Rocco al Porto (LO)
Valid until: September 2014

Hamburg, 2011-12-21



Certification Body for Pressure Equipment
of TUV NORD Systems
GmbH & Co. KG


Marek
Certification Body, IBC, Reg No. 1004



Quality

PED 97/23/EC



CERTIFICATE

The Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG

certifies that the company

INDUSTRIA MECCANICA BASSI LUIGI & C Spa

has been verified and recognized
as welding workshop in the product range of

Manufacturer of Pressure Equipment and Piping Systems

based on the requirements of the standard

DIN EN ISO 3834-2 (EN 729-2)

Certificate-no.: 07-202-1326 EN 3044/11

The range of validity and details of the inspection can be seen in our

Report-no.: M/9109/10/L

The company is using a quality assurance system,
technical equipment, qualified personnel and procedures for joining processes
for manufacturing and testing of welded products.

This certificate is valid until

September 2014

Hamburg, 2013.12.21



Mauro
Mauro
Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG
(Notified Body, Reg. n. 1045)



Quality

TUV Din En ISO 3834 (Welding
workshop of Pressure Equipment
and Piping Systems)



Russian Certifications

Razreshenie Rostehnazora
Permission of Federal Service
technological and ecological
department for non corrosion gas
transport pipeline.




 ФЕДЕРАЛЬНАЯ СЛУЖБА
 ПО ЭКОЛОГИЧЕСКОМУ, ТЕХНОЛОГИЧЕСКОМУ И АТОМНОМУ НАДЗОРУ

РАЗРЕШЕНИЕ № РРС 00-39178

На применение

Оборудование (техническое устройство, материал):
 Соединительные детали для магистральных
 и промышленных трубопроводов (ТУ 1469-МР-0027-2009 ВЛ),
 транспортирующих некоррозионноактивный газ.

Код ОКП (ТН ВЭД): 14 6900 (7307 00 000 0)

Изготовитель (поставщик): Фирма "INDUSTRIA MECCANICA
 BASSI LUIGI & C. S.p.A." (Италия).

Основание выдачи разрешения: Техническая документация, заключение
 экспертной промышленной безопасности ООО "Газпром ВНИИГАЗ"
 № 1-10/2492 от 18.03.2010 г. (рег. № 08-ТУ-(МТ)0697-2010).

Условия применения:

1. Обеспечение соответствия поставляемых технических устройств
 требованиям промышленной безопасности Российской Федерации.
2. Применение поставляемых соединительных деталей
 для магистральных и промышленных трубопроводов, транспортирующих
 некоррозионноактивный газ, в соответствии с условиями,
 ограничениями и требованиями технической документации.

Срок действия разрешения до 13.07.2015

Дата выдачи: 13.07.2010

Руководитель подразделения
 Е.А. Красных

10-023269



Russian Certifications

Razreshenie Rostekhnazora

Permission of Federal Service technological and ecological department for corrosion gas transport pipeline.




 ФЕДЕРАЛЬНАЯ СЛУЖБА
 ПО ЭКОЛОГИЧЕСКОМУ, ТЕХНОЛОГИЧЕСКОМУ И АТОМНОМУ НАДЗОРУ

РАЗРЕШЕНИЕ № РРС 00-19643

На применение:

Оборудование (техническое устройство, материал):
 Стальные соединительные детали и фланцы для промышленных трубопроводов, предназначенных для транспортирования углеводородного сырья с содержанием сероводорода.

Код ОКП (ТН ВЭД): 14 6900 (7307 00 000 0)

Изготовитель (поставщик): Фирма "INDUSTRIA MECCANICA BASSI LUIGI & C. S.p.A." (Италия).

Основание выдачи разрешения: Техническая документация, заключение экспертизы промышленной безопасности ООО "Газпром ВНИИГАЗ" № 25/2010 от 22.04.2010 г., сертификаты соответствия ОС ООО "ВНИИГАЗ-Сертификат" № РОСС ИТ.АЮ11.1.000513 от 07.12.2009 г. и № РОСС ИТ.АЮ11.1.00602 от 27.03.2008 г.

Условия применения:

1. Соблюдение требований законодательства Российской Федерации в области промышленной безопасности.
2. Предоставление заказчикам технических паспортов, сертификатов, руководств по эксплуатации, монтажу и техническому обслуживанию оборудования на русском языке.

Срок действия разрешения до 05.08.2015

Дата выдачи 05.08.2010

Заместитель руководителя
 Б.А. Красных



18 023682



**Russian
Certifications**

GOST R – Conformity certificate of Federal Agency for technical regulation and metrology for pipeline fittings.

СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р
ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС ИТ. А011.800802 КОПИЯ
Срок действия: с 01.02.2010 по 01.02.2013
№ 0234518

ОРГАН ПО СЕРТИФИКАЦИИ: РОСС RU.8001.11AM11
ОРГАН ПО СЕРТИФИКАЦИИ ПРОДУКЦИИ: "ВНИИГАЗ-Сертификат"
(ОО "ВНИИГАЗ-Сертификат") некоммерческой организации-учреждения
"Сертификационный центр "ВНИИГАЗ-Сертификат"
142717, РФ, Московская область, Ленинский р-н, пос. Развилка, ВНИИГАЗ
тел. (495) 355-85-18, тел./факс (495) 355-92-53.

ПРОДУКЦИЯ: Детали соединительные для магистральных
газопроводов на рабочее давление до 22,15 МПа и
промысловых трубопроводов на рабочее давление
до 31,4 МПа
по ТУ 1469-НР-0027-2009 ВЛ
Серийный выпуск

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ
ТУ 1469-НР-0027-2009 ВЛ

ИЗГОТОВИТЕЛЬ
"INDUSTRIA MECCANICA BASSI LUIGI & C. S.p.A."
Via Buttirone 1, San Rocco Al Porto (Lo), Italy.

СЕРТИФИКАТ ВЫДАН
"INDUSTRIA MECCANICA BASSI LUIGI & C. S.p.A."
Via Buttirone 1, San Rocco Al Porto (Lo), Italy,
Tel.: +39 (0377) 56023, Fax: +39 (0377) 569371

НА ОСНОВАНИИ
Протокола испытаний № 05-2010/ИИ от 01.02.2010г., выданного
Испытательным Центром "ВНИИГАЗ-ТЕСТ" ИОУ "Сертификационный центр
"ВНИИГАЗ-Сертификат" (аттестат аккредитации РОСС RU.0001.214C18)
Санитарно-эпидемиологического заключения № 78.01.06.231.П.014698-07.08
от 25.07.2009 г. до 25.07.2013 г., выданного Управлением Федеральной
службы по надзору в сфере защиты прав потребителей и благополучия
человека по городу Санкт-Петербургу

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ
Сертификация по схеме 3 с ежегодными инспекционными контролями.
Нормирование продукции производится в соответствии с

Уполномоченный орган:
В. Г. Арсенов
ГЛАВНЫЙ ИНЖЕНЕР



Russian Certifications

TU-1469-MP-0027-2009 BL - for pipeline fittings with working pressure from 22,15 till 31,4 MPa.

ГОСТ 10488-81
 ГОСТ 10489-81
 ГОСТ 10490-81
 ГОСТ 10491-81
 ГОСТ 10492-81
 ГОСТ 10493-81
 ГОСТ 10494-81
 ГОСТ 10495-81
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 ГОСТ 10499-81
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 ГОСТ 10515-81
 ГОСТ 10516-81
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 ГОСТ 10669-81
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 ГОСТ 10680-81
 ГОСТ 10681-81
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 ГОСТ 10683-81
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 ГОСТ 10685-81
 ГОСТ 10686-81
 ГОСТ 10687-81
 ГОСТ 10688-81
 ГОСТ 10689-81
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 ГОСТ 10695-81
 ГОСТ 10696-81
 ГОСТ 10697-81
 ГОСТ 10698-81
 ГОСТ 10699-81
 ГОСТ 10700-81

«ИНДАСТРИА МЕКАНИКА БАССИ ЛУИДЖИ»
«INDUSTRIA MECCANICA BASSI LUIGI E.C. S.P.A»

14 6900 Группа Г 18
ОКС 23.040

УТВЕРЖДАЮ

Менеджер секции
«Индустрия механика
Басси Луиджи»

Э. Балдини
« » 2011 г.

**ДЕТАЛИ СОЕДИНИТЕЛЬНЫЕ ДЛЯ
ПРОМЫСЛОВЫХ ТРУБОПРОВОДОВ НА РАБОЧЕЕ
ДАВЛЕНИЕ ДО 31,4 МПа, ПРЕДНАЗНАЧЕННЫЕ ДЛЯ ТРАНСПОРТА
СЕРОВОДОРОДСОДЕРЖАЩЕГО ГАЗА**

Технические условия
TU 1469-MP-0028-2009 BL

Дата введения в действие 03.08.2011

Срок действия с 03.08.2011
по 03.08.2016

СОГЛАСОВАНО
Постоянно действующая комиссия
ОАО «Газпром» по приёмке новых
видов трубной продукции.

Менеджер секции
«Индустрия механика
Басси Луиджи»

Э. Балдини
« » 2011 г.

Затвердил 03.08.2011
« » 2011 г.

Председатель комиссии
П.Г. Цыбульский

Генеральный директор
ОАО «Газпром ВНИИГАЗ»

П.Г. Цыбульский
« » 2011 г.

Заключение ООО «Газпром ВНИИГАЗ»
№ 31323949-058-2010 от 2004 Н



Certificat Certificate

N° 2010/37738

AFNOR Certification certifie que le système de management mis en place par :
AFNOR Certification certifies that the management system implemented by:

SIMAS SpA

pour les activités suivantes :
for the following activities:

PRODUZIONE DI APPARECCHI A PRESSIONE, COLONNE,
SERBATOI, SCAMBIATORI DI CALORE, FILTRI, SEPARATORI, CALDAIE,
RACCORDI, TUBAZIONI PREFABBRICATE, CURVATURA A CALDO E A FREDDO,
IMPIANTI PREFABBRICATI IN SKIDS.

MANUFACTURING OF PRESSURE VESSELS, COLUMNS,
DRUMS, HEAT EXCHANGERS, FILTERS, SEPARATORS, BOILERS,
FITTINGS, PREFABRICATED PIPES, COLD AND HOT BENDING,
PREFABRICATED MODULES IN SKIDS.

a été évalué et jugé conforme aux exigences requises par :
has been assessed and found to meet the requirements of:

OHSAS 18001 : 2007

et est déployé sur les sites suivants :
and is deployed on the following locations:

Via Dante Alighieri, 16 - 24030 PREZZATE MAPELLO - BG - ITALIA

De certificat est valide à compter de la date indiquée :
This certificate is valid from (start date):

2010-07-16

validité
validity

2013-07-15

Directrice Générale d'AFNOR Certification

Managing Director of AFNOR Certification



Health and Safety

Occupational Health and Safety
Assessment Series OHSAS 18001



Certificat Certificate

N° 2010/37737

AFNOR Certification certifie que le système de management mis en place par :
AFNOR Certification certifies that the management system implemented by :

SIMAS SpA

pour les activités suivantes :
for the following activities :

PRODUZIONE DI APPERECCHI A PRESSIONE, COLONNE,
SERBATOI, SCAMBIATORI DI CALORE, FILTRI, SEPARATORI, CALDAIE,
RACCORDI, TUBAZIONI PREFABBRICATE, CURVATURA A CALDO E A FREDDO,
IMPIANTI PREFABBRICATI IN SKIDS.

MANUFACTURING OF PRESSURE VESSELS, COLUMNS,
DRUMS, HEAT EXCHANGERS, FILTERS, SEPARATORS, BOILERS,
FITTINGS, PREFABRICATED PIPES, COLD AND HOT BENDING,
PREFABRICATED MODULES IN SKIDS.

a été évalué et jugé conforme aux exigences requises par :
has been assessed and found to meet the requirements of :

ISO 14001 : 2004

et est déployé sur les sites suivants :
and is deployed on the following locations :

Via Dante Alighieri, 16 - 24030 PREZZATE MAPELLO - BG - ITALIA

Ce certificat est valable à compter de (première date) :
This certificate is valid from (issuance date) :

2010-07-16

validité
(year)

2013-07-15

Directeur Générale d'AFNOR Certification

Managing Director of AFNOR Certification



Health and Safety

Environmental Management Systems (EMS) ISO 14001



Quality

Quality Management System ISO 9001:2008

Certification

Awarded to
S.I.M.A.S. SPA

HEAD OFFICE: Via Merlo, 3 - 20122 MILANO - MI
OPERATIVE SITE: Via D. Alghieri, 16 - 24030 PREZZATE DI MAPELLO - BG

Bureau Veritas Italia certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standard detailed below:

ISO 9001:2008

Scope of supply:

Design and manufacture of pressure vessels, columns, drums, heat exchangers, filters, separators, boilers, fittings, piping prefabrication, cold and hot bending, prefabrication modules on skids.

EU number: 17 - 18

Original Issuance Date: 03/04/1996
Last Extension Date: 02/12/2020
Expiration Date: 01/12/2025

Subject to the continued satisfactory operation, to which this certificate relates, please refer to website: www.bureauveritas.it

Further clarifications regarding the scope of the certificate and the applicability of standard's requirements may be obtained by contacting the organization.

Certificate N°: 200753



Quality

Quality Management System ISO 9001:2008

BUREAU VERITAS
Certification



Certification

Awarded to

S.I.M.A.S. SPA

HEAD OFFICE: Via Mario, 3 - 20122 MILANO - MI

OPERATIVE SITE: Via D. Alghieri, 16 - 24030 PREZZATE DI MAPELLO - BG

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

ISO 9001:2008

Scope of supply:

Design and manufacture of pressure vessels, columns, drums heat exchangers, flares, separators, boilers, fittings, piping prefabrication, cold and hot bending, prefabrication modules on skids.

Original Issuance Date: 05/04/1996
Last Extension Date: 02/12/2000
Expiration Date: 01/12/2012

Subject to the contractual obligations specified, to check the certificate holder, please refer to website: www.bureauveritas.it

Further clarifications regarding the scope of the certificate and the applicability of mandatory requirements may be obtained by contacting the organization.

Certificate N° 200763

Bureau Veritas Certification
18 rue de la Woluwe
1200 Brussels, Belgium





Quality

TUV AD2000 Merkblatt WO

CERTIFICATE

Quality-assurance System
for Material Manufacturer
acc. to Pressure Equipment Directive 97/23/EC
and AD 2000-Merkblatt WO

Certificate no.: 07-202-1326 WZ-1001/10

**Name and address
of manufacturer:** S.I.M.A.S. S.p.A.
Via Dante Alighieri, 16
I-24030 Prezzate di Mapello (BG)

This is to certify that the manufacturer has implemented and applies a QA System. This QA System has been subjected to a specific assessment for material acc. to Directive 97/23/EC and acc. to AD 2000-Merkblatt WO, with regard to the materials mentioned within the scope of approval.

Approved: QA System acc. to Directive 97/23/EC Annex I, sec. 4.3
and 3.1 and AD 2000-Merkblatt WO

Audit report no.: 1326WL34500

Scope of approval: Prefabricated piping, fittings and hot induction bends
from ferritic and austenitic steel

Details of the scope are mentioned in the annex of the certificate.

Production site: I-24030 Prezzate di Mapello (BG)

The manufacturer disposes of the essential procedures and equipments as well as the required qualified personnel to ensure quality of manufacturing and testing the materials and products mentioned in the scope of approval.

Hamburg 2010-12-14



Certification Body for Pressure Equipment
of TUV NORD Systems GmbH & Co. KG

Manz
Manz
Marked body, registration no. 0543

Period of validity:
Valid until 11.2013

TUV NORD Systems GmbH & Co. KG Tel. +49 (0) 40-8507-2366
Grabe Markensalle 11 Fax +49 (0) 40-8507-2713
D-21025 Hamburg e-mail: manz@tuv-nord.de
Germany

Member of



DNV GL



CERTIFICATE

The TÜV CERT-Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG

certifies that the company

S.I.M.A.S. S.p.A.
Via Dante Alighieri, 16
I - 24030 Prezzate di Mapello (BG)

has been verified and recognized
as manufacturer of

**Pressure vessels, industrial pipes
and heat exchangers**

according to the rules of

AD 2000-Merkblatt HP0

Certificate-no.: 07-202-1326-HP-1828/10

The range of validity and details of the inspection can be taken from our

Report-no.: 1326SL11700

The company has established a product-related quality system
together with personnel and equipment which ensures
manufacturing and testing corresponding to the technical rules.

This certificate is valid until

December 2013




K.-H. Mergel
TÜV CERT-Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG
(Notified Body, Reg. No. 0043)



Quality

TUV AD2000 Merkblatt HP0

The American Society of Mechanical Engineers



CERTIFICATE OF AUTHORIZATION

This certificate certifies the named company as authorized to use the indicated symbol of 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 Code symbol 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 symbol shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

S.I.M.A.S. S.p.A.
 Societa' Industriale Metallurgica Applicazioni Speciali
 Dante Alighieri, 15
 Prezzate Di Mapello
 Bergamo 24030
 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: September 29, 2011

EXPIRES: October 1, 2014

CERTIFICATE NUMBER: 29,219



Vice President
 Conformity Assessment



Director, Accreditation and Certification



Quality

ASME stamp U – U2 – S – PP

The American Society of Mechanical Engineers



CERTIFICATE OF AUTHORIZATION

This certificate certifies the named company as authorized to use the indicated symbol of 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 Code symbol 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 symbol shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

S.I.M.A.S. S.p.A.
Societa' Industriale Metallurgica Applicazioni Speciali
Dante Alighieri, 15
Prezzate Di Mapello
Bergamo 24030
Italy

SCOPE:

Manufacture of pressure vessels at the above location and field sites controlled by the above location

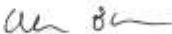
AUTHORIZED: September 29, 2011

EXPIRES: October 1, 2014

CERTIFICATE NUMBER: 29,220



Vice President
 Conformity Assessment



Director, Accreditation and Certification



Quality

ASME stamp U - U2 - S - PP

The American Society of Mechanical Engineers



CERTIFICATE OF AUTHORIZATION

This certificate certifies the named company as authorized to use the indicated symbol of 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 Code symbol 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 symbol shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

S.I.M.A.S. S.p.A.
Societa' Industriale Metallurgica Applicazioni Speciali
Dante Alighieri, 16
Prezzato Di Mapello
Bergamo 24030
Italy

SCOPE:

Manufacture and assembly of power boilers at the above location and field sites controlled by the above location

AUTHORIZED: September 29, 2011

EXPIRES: October 1, 2014

CERTIFICATE NUMBER: 29,218



Vice President
 Conformity Assessment



Director, Accreditation and Certification



Quality

ASME stamp U – U2 – S – PP

The American Society of Mechanical Engineers



CERTIFICATE OF AUTHORIZATION

This certificate certifies the named company as authorized to use the indicated symbol of 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 Code symbol 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 symbol shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

S.I.M.A.S. S.p.A.
Societa' Industriale Metallurgica Applicazioni Speciali
 Dante Alighieri, 16
 Prezzate Di Mapello
 Bergamo 24030
 Italy

SCOPE:

Fabrication and assembly of pressure piping at the above location and field sites controlled by the above location.

AUTHORIZED: September 29, 2011

EXPIRES: October 1, 2014

CERTIFICATE NUMBER: 29,217

Vice President
 Conformity Assessment

Director, Accreditation and Certification



Quality

ASME stamp U – U2 – S – PP



CERTIFICATE

The TÜV CERT-Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG

certifies that the company

S.I.M.A.S. S.p.A.
Via Dante Alighieri, 16
I - 24030 Prezzate di Mapello (BG)

has been verified and recognized
as welding workshop in the product range of

**Pressure vessels, industrial pipes
and heat exchangers**

based on the requirements of the standard

DIN EN ISO 3834-2 (EN 729-2)

Certificate-no.: 07-702-1326 EN 1828/10

The range of validity and details of the inspection can be seen in our

Report-no.: 1326SL11700

The company is using a quality assurance system,
technical equipment, qualified personnel and procedures for joining processes
for manufacturing and testing of welded products.

This certificate is valid until

December 2013

Hamburg, 2011-01-20



K.-H. Marrek
TÜV CERT-Certification Body for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG
Division Duty, Reg.-No. 03461



Quality

TUV Din En ISO 3834 (En 729-2)



Quality

Quality Management System ISO 9001:2008



RINA
www.rina.org

ISO 9001 in a nutshell in
Net
www.rina.org/qualita/iso9001

CERTIFICATO N. 9737/03/S
CERTIFICATE No. 9737/03/S

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ
IT IS HEREBY CERTIFIED THAT THE QUALITY MANAGEMENT SYSTEM OF

ELKROM SRL

VIA TRADUOLIN 26 C 10102 GENOVA (GE) ITALIA

NELLE SEGUENTI UNITÀ OPERATIVE / IN THE FOLLOWING OPERATIONAL UNITS

VIA TRADUOLIN 26 C 10102 GENOVA (GE) ITALIA
E CANTIERI OPERATIVI

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD
ISO 9001:2008

PER I SEGUENTI CAMPI DI ATTIVITÀ / FOR THE FOLLOWING FIELDS OF ACTIVITIES

FORNITURA DI PERSONALE SPECIALISTICO PER INSTALLAZIONE DI IMPIANTI ELETTRICI E NECESSARI CIVILI ED INDUSTRIALI;
AUTORAZIONE IMPIANTI STRUTTURALI; NECESSARI INDUSTRIALI; MANUTENZIONE, COMMISSIONING ED START-UP DI IMPIANTI
INDUSTRIALI; SUPERVISIONE E DIREZIONE LAVORI;
PROGETTAZIONE E COSTRUZIONE DI QUADRI ELETTRICI;
PROGETTAZIONE E PROVAZIONE DI TRINDE E LUBRIFICAZIONE.

SUPPLY OF SKILLED PERSONNEL FOR INSTALLATION OF CIVIL AND INDUSTRIAL ELECTRIC AND NECESSARY PLANTS;
AUTORISATION PLANTS; STRUCTURAL NECESSARY INDUSTRIAL PLANTS; MAINTENANCE, COMMISSIONING AND START-UP OF
INDUSTRIAL PLANTS; SUPERVISION OF WORKS AND ADMINISTRATION OF MANAGEMENT;
DESIGN AND CONSTRUCTION OF ELECTRICAL BOARDS;
DESIGN AND PROVAZIONE OF TRINDE AND LUBRICATION.

Il sistema di gestione per la qualità è stato certificato in conformità con la norma ISO 9001:2008.
The quality management system is certified in compliance with the ISO 9001:2008 standard.
L'unità di attività di gestione per la qualità è stata certificata in conformità con la norma ISO 9001:2008.
The unit of activity of the quality management system is certified in compliance with the ISO 9001:2008 standard.

Primo rilascio / First Issue	08.11.2009
Emissione corrente / Current Issue	01.06.2010
Scade scadenza / Expiry Date	08.11.2012

Dot. Roberto Ciavaglia
(Direttore della Divisione Certificazioni)



RINA Services S.p.A.
Via Cantone 12 - 10128 Genova (GE)

SINCERT

CONFORME A
ISO 9001:2008

ISO 9001 in a nutshell in
Net
www.rina.org/qualita/iso9001

ISO 9001 in a nutshell in
Net
www.rina.org/qualita/iso9001



Quality

SOA certification necessary to participate in public contracts as per O510 Class III; OS3-I; OS16-IV; OS 19-I; OS30-III



Società Organismo di Attestazione S.p.A.
S.p.A. 19102 - 19102 - 19102

19102 - 19102 - 19102

Codice identificativo: 027700008 (Associazione e) di 00002001

ATTESTAZIONE DI QUALIFICAZIONE ALLA ESECUZIONE DEI LAVORI PUBBLICI

Rivendita alla impresa: **ELKROM S.R.L.**
 via sede in: **GENOVA** CAP: **10102** Provinto: **GE**
 telefono: **VIA TALLEROLINI EGIDIO, 30 C**
 iscritta alla CCEAA di: **GENOVA** n. a.: **38638** C. E.: **0307200108** P. IVA: **0307200108**

Suppleverenti legali

Titolo nome e cognome	Codice Fiscale	Titolo nome e cognome	Codice Fiscale
ROBERTO ZANETTI	ROBERTO ZANETTI		

Suppleverenti tecnici

Titolo nome e cognome	Codice Fiscale	Titolo nome e cognome	Codice Fiscale
ING. ANGELO OLIVIERO	ING. ANGELO OLIVIERO		

Categorie e classifiche di qualificazione:

Cat.	Class.	C.F. Abilitazione tecnico ed il numero la qualificazione	Cat.	Class.	C.F. Abilitazione tecnico ed il numero la qualificazione	Cat.	Class.	C.F. Abilitazione tecnico ed il numero la qualificazione
O510	III							
OS3	I							
OS16	IV							
OS19	I							
OS30	III							

Qualificazione per prestazioni di progettazione e coordinamento per conto dell'Ente Appaltante.

L'impresa possiede la certificazione (art. 1, comma 1, lettera c) D.F.R. 162/99) valida fino al 31/12/2012 rilasciata da SOA SERVIZIO S.P.A.
 all'impresa **ELKROM S.R.L.** codice fiscale **0307200108**
 L'impresa partecipa al mercato pubblico: con codice fiscale:
 ed avere autorizzazioni nelle seguenti categorie / (indicare solo il codice fiscale)

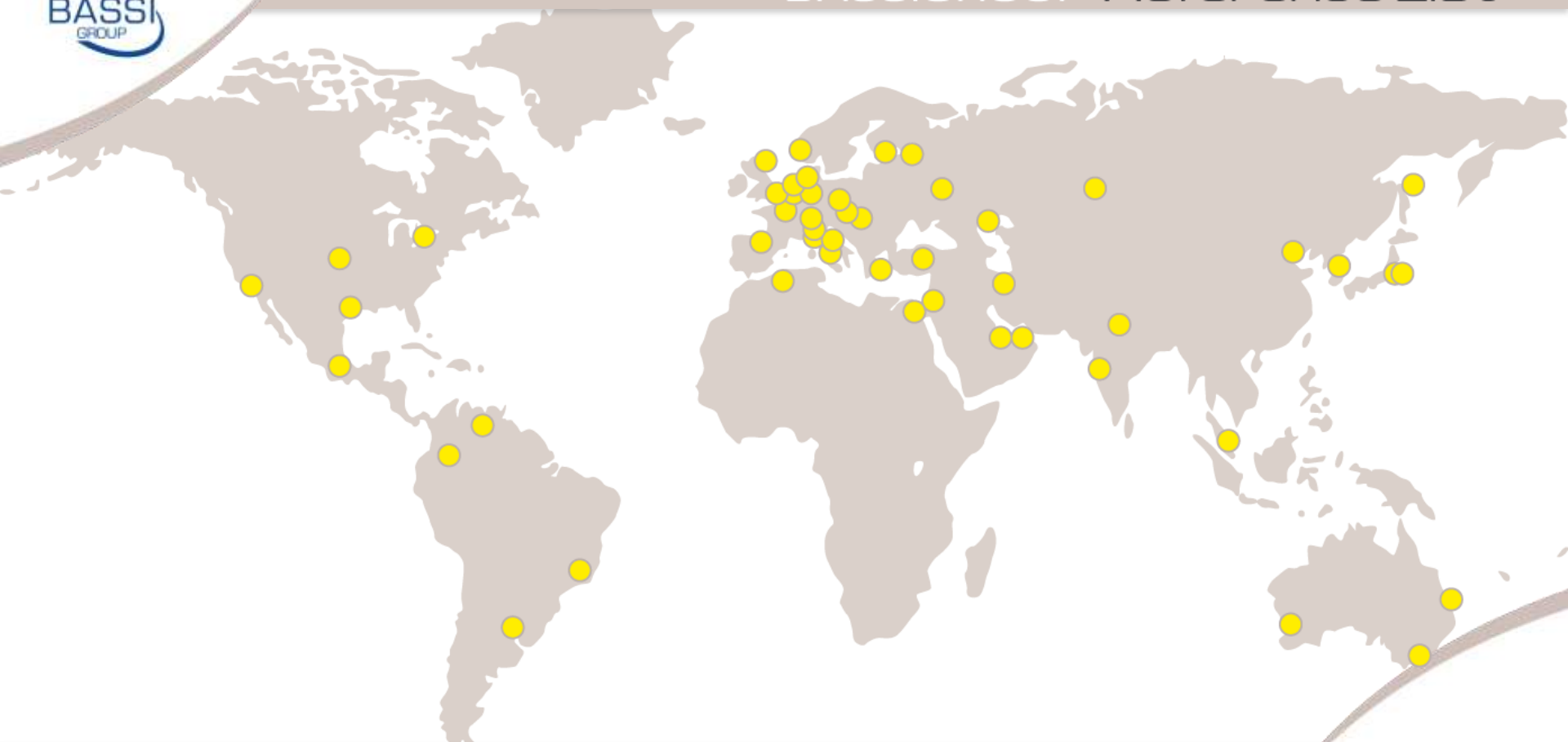
Categoria	Aut. n. / Data	Codice fiscale

Attestazione n. **21113/2012** (C.F. in progressivo/Codice SOA) - Scaduto/da rinnovare il: (Non progressivo/Codice SOA)

Descr.	Importo (€)	Importo (€)	Importo (€)
Importo abilitazione originaria	21113,00	Importo abilitazione rinnovata	21113,00
Importo abilitazione in corso	21113,00	Importo abilitazione rinnovata in corso	21113,00

Costo del documento autorizzato con firma digitale e autenticato nella banca dati della Anagrafe per le imprese (ANAGRAFE) pubblica

BASSIGROUP Reference List



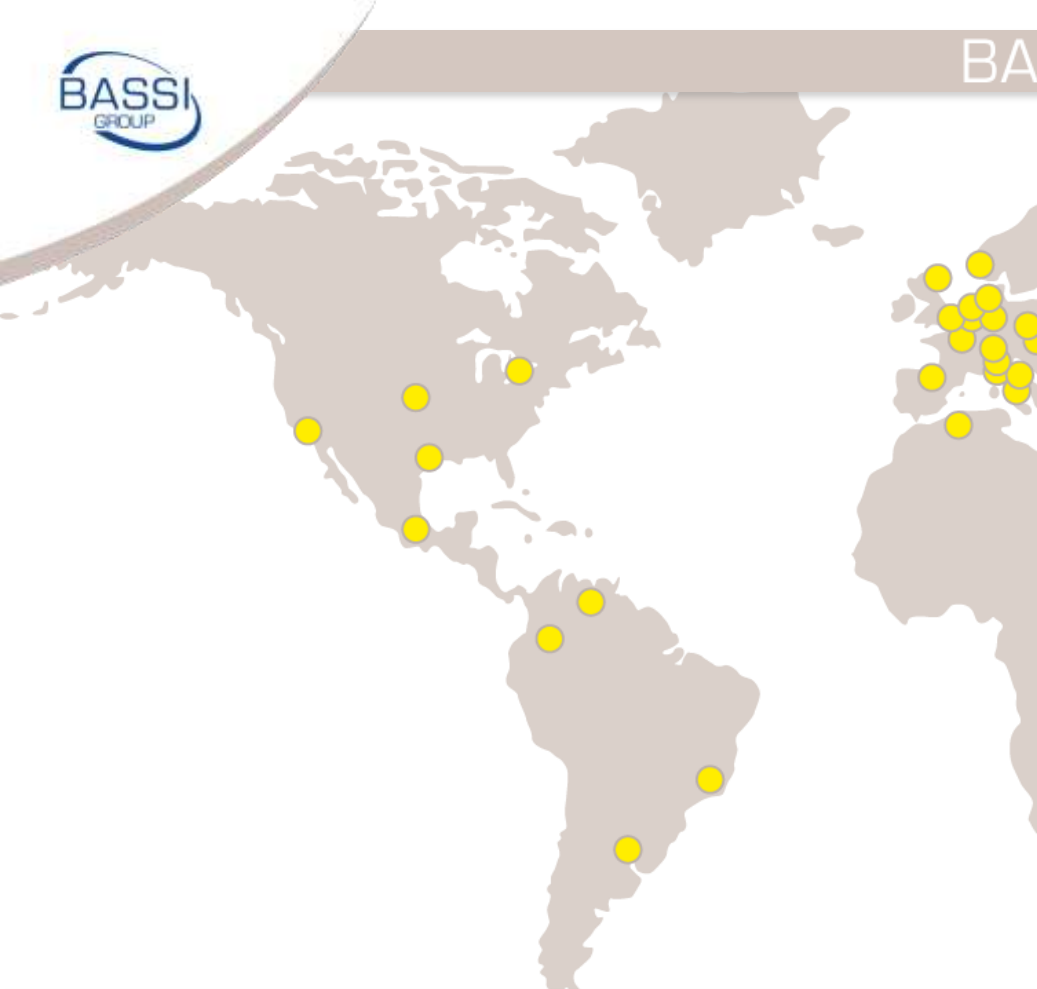
OIL & GAS

- 
- AGIP GAS BV Mellitah Plant – Libya
 - AMEC ENGINEERING UNITED Aberdeen – UK
 - ARAMCO OVERSEAS COMPANY The Hague – Holland
 - BECHTEL ENG. London – UK
 - BP ANGOLA DEVEL. PROGRAMME
North East Development – Angola
 - BP INTERNATIONAL London – UK
 - BRITISH GAS London – UK
 - BROWN & ROOT VICKERS LTD London – UK
 - CALTEX LTD London – UK
 - CHINA PETROLEUM Western Libya Gas Project – Libya
 - CHIYODA CORPORATION Yokohama – Japan
 - CONOCO PHILLIPS UK London – UK
 - E.ON Dusseldorf – Germany
 - EDISON Milan – Italy
 - ENEL Rome – Italy
 - ENI SCOGAT – Tunisia
 - ENNPI Cairo – Egypt
 - ENPPI Cairo – Egypt
 - FLUOR Melbourne - Australia

OIL & GAS

- 
- FLUOR Brisbane – Australia
 - FLUOR Perth – Australia
 - FLUOR DANIEL B.V. Haarlem – Holland
 - FLUOR LIMITED London – UK
 - FLUXYS Bruxelles – Belgium
 - FOSTER WHEELER Milan – Italy
 - GAS TRANSCO NATIONAL GRID London – UK
 - GASUM Helsinki – Finland
 - GASUNIE Groningen – Holland
 - GAZ DE FRANCE Paris – France
 - GAZKOMPLEKTIMPX Moscow – R.S.U.
 - GAZPROM Bovanenkovo – Russia
 - GAZPROM Moscow – Russia
 - GAZPROM Astrakhan – Russia
 - GAZPROM Jamal – Russia
 - GAZPROM Sakhalin – Russia
 - GAZPROM Portovaya – Russia
 - HAMILTON COMPANY London – UK
 - HYUNDAI HEAVY INDUSTRIES CO. LTD. Seoul – Korea
 - INDIAN OIL CORPORATION LTD New Delhi – India

OIL & GAS

- 
- JGC CORPORATION Yokohama – Japan
 - KALA NAFT London – UK
 - KAZMUNAIGAZ Astana – Kazakhstan
 - KUWAIT NATIONAL PETROLEUM CO. (KNPC) Safat - Kuwait
 - LARSEN AND TOUBRO LTD Bombay – India
 - LG CONSTRUCTION CO. Seoul – Korea
 - M.W. KELLOGG LIMITED London – UK
 - METALIMPLEX Budapest – Ungheria
 - N.A.M. Assen – Holland
 - NAOC NLNG – Nigeria
 - NATIONAL IRANIAN GAS CO. Tehran – Iran
 - NESTE Helsinki – Finland
 - NESTE OIL Espoo – Finland
 - OMV Vienna – Austria
 - PDVSA Houston – USA
 - PDVSA (PETROLES DE VENEZUELA) Caracas – Venezuela
 - PETROBEL Port Fouad Project – Egypt
 - PETROBEL BELAYIM PETRLEUM COMPANY Cairo – Egypt
 - PETROJET Cairo – Egypt
 - PETROJET Gas Pipe Line - Egypt

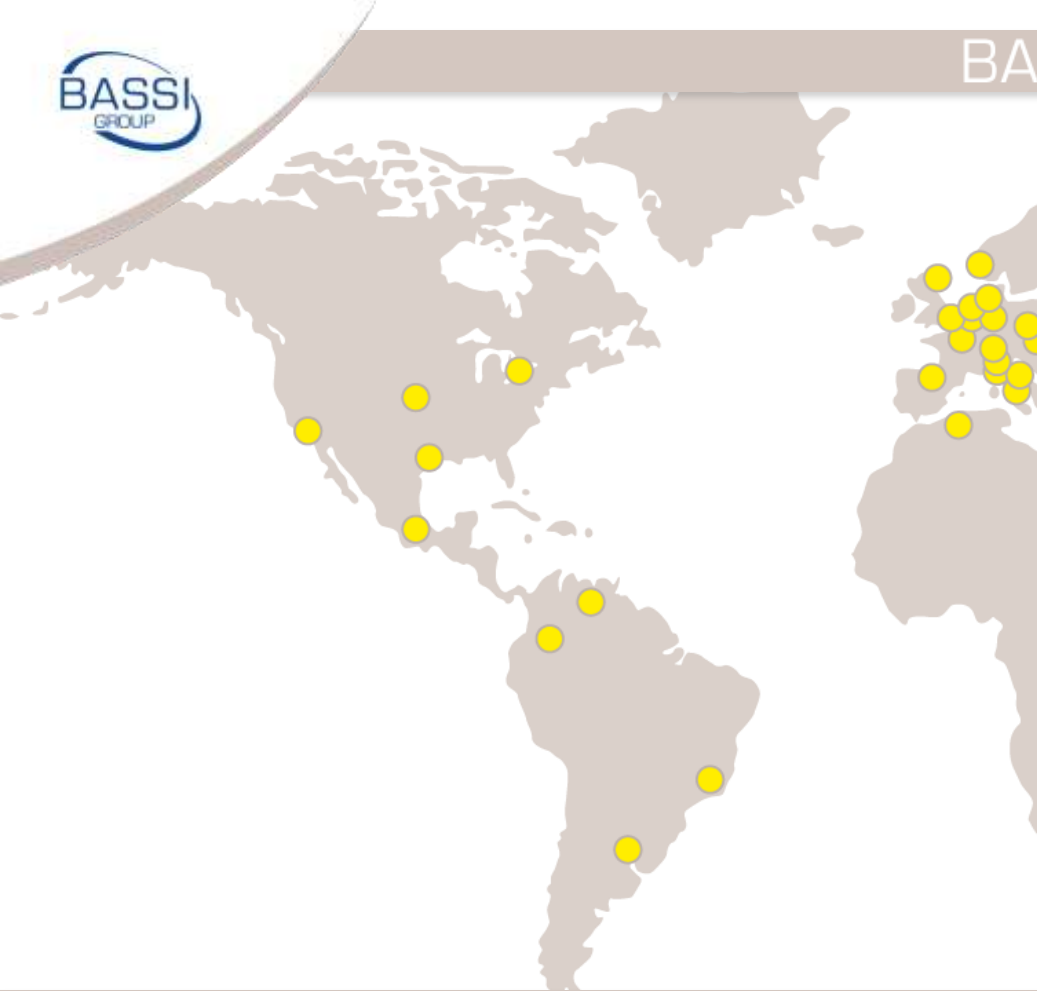
OIL & GAS

- 
- PETROLEOS MEXICANOS (PEMEX) Mexico City – Mexico
 - PETRONAS GAS Kuala Lumpur – Malaysia
 - PHILLIPS PETROLEUM Stavanger – Norway
 - Q.G.P.C. (Qatar General Petroleum Corporation) Doha – Qatar
 - SAIPEM S.A. Paris – France
 - SASOL Mozambique Secunda Pipeline – Mozambique
 - SHELL INTERNATIONAL The Hague – Holland
 - SHELL UK London – UK
 - SNAM RETE GAS Milan – Italy
 - SOFREGAZ Paris – France
 - SONATRACH In Salah Gas – Algeria
 - SONELGAZ Alger – Algeria
 - SPIE GROUP Paris – France
 - SPIE MATTHEW HALL London – UK
 - STATOIL Stavanger – Norway
 - STORK/COMPRIMO BV Amsterdam – Holland
 - SUNGYONG OIL REFINING Seoul – Korea
 - TECHINT Rome – Italy
 - TECHINT Bogota – Colombia
 - TECHINT Buenos Aires - Argentina

OIL & GAS



TECHNIP Dusseldorf – Germany
TECHNIP Paris – France
TEKFEN Ankara – Turkey
THE RALPH M. PARSON CO. LTD London – UK
THE RALPH M. PARSON CO. LTD Pasadena – USA
TOTAL ELF FINA Paris – France
TOTAL OIL MARINE London – UK
TOTAL UPSTREAM AKPO – Nigeria
TOYO ENGINEERING CORPORATION Chiba – Japan
TRANSGAS Prague – Czechoslovakia
TRANSITGAS Zurich – Switerland
YUKONG LIMITED Seoul - Korea



PETROCHEMICAL

- AMEC ENGINEERING UNITED Aberdeen - UK
- BANDAR IMAM PETROCHEMICAL CO LTD Tehran - Iran CBI London - UK
- CCC INTERNATIONAL Athen - Greece
- CHAMBAL FERTILISERS AND CHEMICALS LTD New Delhi - India
- CHEMOKOMPLEX Budapest - Ungheria
- CHIMMASHEXPORT Moscow - R.S.U.
- CHINA PETROLEUM ENG CONSTR CORP Beijing - China
- DAELIM ENGINEERING Seoul - Korea
- JACOBS Leiden - Netherlands
- RELIANCE INDUSTRIES LIMITED Mumbai - India
- SAIPEM S.A. Paris - France
- SHELL INTERNATIONAL The Hague - Holland
- SHELL UK London - UK
- SULZER BURCKARDT Basel - Switzerland
- TOTAL ELF FINA Paris - France
- TOTAL OIL MARINE London - UK
- TOYO ENGINEERING CORPORATION Chiba - Japan

POWER GENERATION

- 
- ALSTOM POWER Milan – Italy
 - ANSALDO ENERGIA Genoa – Italy
 - AREVA Paris – France
 - BABCOCK AND WILCOX Bilbao – Spain
 - BABCOCK AND WILCOX Toronto – Canada
 - BHARAT HEAVY ELECTRICALS LIMITED New Delhi – India
 - BLACK & VEATCH PRITCHARD Kansas – USA
 - CAIRO ELETRICITY PRODUCTION COMPANY Cairo – Egypt
 - E.ON Dusseldorf – Germany
 - ESKOM Medupi Power Station – South Africa
 - ESKOM Kusile Power Station – South Africa
 - LARSEN AND TOUBRO LTD Bombay – India
 - MITSUBISHI HEAVY IND. Tokio – Japan
 - RWE Essen – Germany
 - SAMSUNG HEAVY IND. Seoul – Korea
 - STEG Centrale de Sousse – Tunisia
 - TECHNIP Dusseldorf – Germany
 - TECNIMONT Milan – Italy

OFF - SHORE

- 
- The map shows project locations marked with yellow dots across various regions: North America (USA, Canada), South America (Brazil, Argentina), Europe (UK, France, Italy, Germany, Spain, Portugal, Greece, Ireland, Poland, Czech Republic, Slovakia, Hungary, Austria, Switzerland, Netherlands, Belgium, Luxembourg, Denmark, Norway, Sweden, Finland, Iceland, Russia), Africa (Libya, Egypt, Nigeria, Angola), and Australia.
- BP INTERNATIONAL London - UK
 - GREENSTREAM BV Libya Gas Transmission System - Libya
 - HYUNDAI HEAVY INDUSTRIES CO. LTD. Seoul - Korea
 - MC DERMOTT INTERNAT. Dubai - United Arab Emirates
 - PETROBRAS Rio de Janeiro - Brazil
 - SAIPEM Fano - Italy
 - SAIPEM S.A. Paris - France
 - SHELL INTERNATIONAL The Hague - Holland
 - SHELL UK London - UK
 - STATOIL Stavanger - Norway
 - TOTAL E&P ANGOLA S.A. Rosa Surf Development - Angola
 - TOTAL OIL MARINE London - UK



1962 Celebrating half a Century
50 **2012**

Congratulations!



BASSI

GROUP

