



REFERENCES BOOK – Architectural Building Solutions



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Dear Sirs,

we have the pleasure to introduce our Group as a family owned Holding Co. established in Turin by our President Arch. *Francesco Riso* in the early 1950s. At the very beginning our activity was solely based on metal working and processing for turn-key and tailor made projects. During the late '70s we diversified our production creating the *Aluminium Processing* and *International Trade Divisions*.

Our relation with Libya dates back to the early '80s and since that time we have been cooperating with most of foreign and local contractors as well as industrial plants throughout the Libyan market offering different types of *building materials, machineries, industrial supplies, know-how & technology* and carrying out *several projects* mainly in Benghazi and Tripoli areas. Long all those years we have been able to comply with local requirements and to achieve the targets and results required by the market and by our customers.

Moreover, being our Group an internationally oriented one, since the 2nd half of the '80s onwards we have been carrying out quite a lot of projects in Scandinavian and Eastern Europe Countries such as *Finland, Sweden, Poland, Hungary, Ukraine* and *Russia*. In 1990, after the Berlin wall's collapse and after political changes in the former USSR satellite countries, we have established our *Branch in Poland* and a *Joint Venture Co.* with a local partner to process aluminium profiles and manufacture doors, windows and aluminium/glass curtain wall facades.

GAIA SYSTEM's Division has been established in 2006 with the main aim to transfer to the *Solar Photovoltaic* field know-how and experience of the Group in *general construction, aluminium structures design, manufacturing* and *erection*. Thanks to our professionalism and expertise we have started a strict partnership relation with *Netherlands' Scheuten Solar Group* becoming their official supplier as far as concerns aluminium supporting structures for photovoltaic modules, external facades and roof covering systems for solar photovoltaic projects. Thanks to a constant research and development of new design and construction systems and technologies, as well as the use of innovative materials, our aim is to guarantee and constantly improve the quality of our architectural claddings to ensure the top quality performance of our buildings. We aim to offer positive solutions answering to the needs of our customers by means of close collaboration with the architects from the preliminary design stage on. Our target is to establish a solid and lasting cooperation with our partners, so as to constantly increase the added value of our technology. Our commitment to promoting the application of eco-compatible technology to architecture has resulted in considerable energy savings, thus helping to the environment, as well as in improvements in living conditions inside the buildings and in the wellbeing of individuals who occupy them.

Due to what above, to the strengthening of the relations between Libya and Italy and to the infrastructures development plan undertook by your Government, we are evaluating the possibility to approach the several large building projects which are going to be carried out in your Country in the nearest future such as skyscrapers, towers, hotels, commercial buildings, banks etc.

To achieve this goal we ensure to our possible customers the most up-to-dated technology and our utmost care in:

- Turn-key supply of aluminium and glass curtain wall facades, roof covering systems and supporting structures;
- Supply of aluminium profiles and accessories both for industrial and construction field;
- Turn-key supply solar photovoltaic systems and power plants;
- Turn-key supply of remote surveillance, security and visible and non-visible management control systems;
- Engineering, design, manufacturing and turn-key supply of separation and filtration systems for oil & gas, petrochemical, chemical, water & waste water industries;
- Supply of construction materials, machineries and plants;
- Industrial supplies and know-how;

Being Libya a natural gate to the African continent, we look forward to establish good business relations and a fruitful mutual cooperation with your esteemed organization too in order to develop the local market as well as other Maghreb countries ones.

Trusting our range of activity will meet your interest do not hesitate contacting us in the event additional information would be required.

Sincerely Yours

Alberto Risso
Managing Director



Via Leonardo Fea, 62
10148 Torino
Italy

Products & Solutions:

GAIA SYSTEMS designs, manufactures, supplies and erects:

- Aluminium doors, windows, office partition walls, accordion doors and shop-windows;
- Skylights, domes, bow-windows, winter-gardens and balustrades;
- Roof covering systems, canopies, sunscreens and sun louvers;
- Automatic sliding and revolving main entrance doors;
- Security and bullet-proof glass-walls;
- Alucobond and stone/ceramic ventilated facades;
- Traditional, structural and point-fixed curtain wall facades;
- Solar integrate photovoltaic curtain wall facades and roof covering systems;
- Turn-key tensile structures;
- Turn-key solar photovoltaic systems and power plants;
- Turn-key remote surveillance and security systems for sensitive objects;
- Turn-key tracking, monitoring, localization and management systems;
- Turn-key building automation systems;

supplies dedicated equipments, machineries and know-how for:

- Oil, gas and petrochemical industry;
- Ethylene process plants;
- Power generation industry;
- Gas filtration and separation systems;
- Water treatment systems;
- Electrical cable and wire industry;
- Metal processing industry;
- Industrial automation;

In addition to what above, thanks to our experience and flexibility, we can provide tailor made solution on specific customer's demand and requirement.

Organization:

GAIA SYSTEM is organized as a typical Contractor, paying the highest attention to the structure efficiency and flexibility as well as on the quality assurance aspects of the organization. All the activities of the company are executed in accordance with what stated in the internal Quality Assurance Manual and with the relevant procedures. GAIA SYSTEM sas is certified ISO 9001.

The company technical staff is organized in the following sections:

- Marketing and sales
- Project management and coordination
- Engineering, designing and modeling
- Mechanical and electrical engineering
- Production and manufacturing coordination
- Quality control, tests and inspection
- Site services

Engineering:

GAIA SYSTEM's engineering team includes building construction experts specialized in complex problem solving. Industry recognized software design solutions are adopted as our standard including Autocad, Intools, Caesar and Staad. ISO approved procedures are implemented for design verification and validation.

Procurement:

Committing ourselves with best-in-class suppliers, we continuously support the company standard in delivering world class solutions to our Customers. Procurement is an integral part of our activities starting

from tendering throughout the project completion. Customers rely on our experience to complete their projects.

Project Execution:

Project Management

The scope and schedule of the contract are priority items for our team as soon as a client awards us a project. For each one, we designate a project manager who has the significant responsibility to ensure the client order is safely completed according to client expectations, to high quality standards and on time. The project manager is the focal point of communication and coordination throughout the contract and is responsible for the coordination and control of all activities including the finalization of process designs, the development of mechanical designs, detailed engineering, equipment specification and procurement, the equipment fabrication and assembly, testing, shipping, installation, commissioning and handing over. Moreover we believe that the project manager leads to a closer relationship with our customers and better understanding of their needs, in fact we try to maintain this relationship designating the same project manager on future customer contracts.

Quality Control:

In-house inspection personnel is used by the project manager to provide direct quality control on manufacturing process. These activities include material verification, fit-up, dimensional accuracy verification and assembly inspection. The project manager also uses inspection personnel to check production schedule, assembly supervision or other duties involving sub-contractors.

All facilities within the Group own ISO 9001 certification.

For each project the design plan describes how the product design engineering will be accomplished and verified prior to purchasing and manufacturing.

A detailed inspection and test plan is incorporated into the overall project quality plan which includes the following:

- Project organization chart;
- Quality targets;
- Procedures, methods, and work instructions;
- Testing, inspection and examination activities;
- Project time schedule;
- Manufacturing and supply;
- Health and safety;

GAIA SYSTEM cooperates with private and public clients in the areas of civil and industrial building, process plant engineering, restoration, etc. The company organization and technical capabilities have been approved by the relevant certification bodies and always in full compliance with the quality requirements set forth in UNI ISO 9001/2000 standards.

To develop the activity GAIA SYSTEM provides own technical experts such as engineers, architects, and surveyors as well as other technical consulting companies.

Site Activity:

GAIA SYSTEM Group includes qualified and experienced personnel to provide the full range of site services such as:

- Erection, supervision and handing-over;
- After sale maintenance services
- Field tests and pilot scale studies

Our commissioning specialists assist and supervise the handing-over to the client, operation and maintenance personnel with system installation, commissioning routines and protocols.

Our teams, consisting of process, control and commissioning specialist engineers will oversee your process plan through installation, testing, commissioning and start-up, demonstrating operability and reliability of the plan to achieve targeted performance.

Thanks to the above mentioned services we ensure that materials or equipment are properly installed and fully operational before being handed over to operational personnel in order to maximize productivity, efficiency and ultimately longevity of the project or of the plant.

Due to the complex nature of the products and equipment supplied and in order to continue to provide our customers with the most effective support, our commissioning personnel undertake a period of dedicated preparation and familiarization prior to any installation.

This approach also ensures that the experiences from previously executed projects are fed back into our system in order to be included in each future coming project.

After Sales:

GAIA SYSTEM guarantees to all customers a continuous and efficient follow-up during operation and an after sales service including:

- Maintenance works;
- Spare parts supply;
- Management;

The spare parts management system helps to ensure minimum delivery time and hence a reduction in the single largest cost associated with maintenance missing revenues

References:

GAIA SYSTEM Group's know-how has grown up during the last years thanks to research and development programs and to the strict cooperation with other internationally well known companies and organizations.

Among our main references we can mention:

Project Name	Location	Main Contractor	Scope of the Supply
<i>Cement Plant</i>	<i>Derna - Libya</i>	<i>Mitsubishi Heavy Industries Japan</i>	▪ Steel structures ▪ Miscellaneous building materials
<i>Blanket Factory</i>	<i>Derna - Libya</i>	<i>OMP Finland</i>	▪ Aluminium frames
<i>Grain Silos</i>	<i>Derna/Baydah - Libya</i>	<i>Gammon Constuction India</i>	▪ Aluminium frames
<i>K9 School</i>	<i>Benghazi - Libya</i>	<i>Exbud Poland</i>	▪ Aluminium frames ▪ Miscellaneous building materials
<i>K652 Farms</i>	<i>All Cyrenaica - Libya</i>	<i>Budimex Construction Poland</i>	▪ Miscellaneous building materials
<i>Urubba Housing</i>	<i>Benghazi - Libya</i>	<i>Budimex Construction Poland</i>	▪ Aluminium frames ▪ Miscellaneous building materials
<i>AGOCO H.Q.</i>	<i>Benghazi - Libya</i>	<i>Hanyang South Korea</i>	▪ Aluminium frames ▪ Marble works ▪ Furnishing
<i>AGOCO H.Q.</i>	<i>Benghazi - Libya</i>	<i>Puolimatka Finland</i>	▪ Aluminium frames ▪ Marble works ▪ Furnishing ▪ Fountain
<i>AGOCO H.Q.</i>	<i>Benghazi - Libya</i>	<i>CSCEC China People's Republic</i>	▪ Aluminium frames ▪ Furnishing
<i>Steel Hangars</i>	<i>Benghazi - Libya</i>	<i>Ashgal Libya</i>	▪ Steel structures
<i>7000 Housing</i>	<i>All Libya</i>	<i>Daewoo South Korea</i>	▪ Aluminium frames

Municipality	Misurata - Libya	Metis Mesa Turkey	▪ Aluminium frames ▪ Aluminium sunscreens
Hotel Ouzu	Benghazi - Libya	SSF Libya	▪ Aluminium frames ▪ Access control system
Hotel Safwa	Tripoli - Libya	Hotel Safwa Libya	▪ Access control system
Italian Embassy	Hodeidah - Yemen	Persano Italy	▪ Aluminium frames
Italian Embassy	Addis Ababa - Ethiopia	Dan Technocraft Ethiopia	▪ Aluminium frames
Hotel Sheraton	Addis Ababa - Ethiopia	Dan Technocraft Ethiopia	▪ Aluminium frames
Beira Corridor	Beira - Mozambique	Haka Finland	▪ Miscellaneous building materials
Hotel Helia	Budapest - Hungary	Haka Finland	▪ Aluminium frames
Slovak School	Budapest - Hungary	Kozev Hungary	▪ Aluminium frames
Kemikal Kft.	Budapest - Hungary	Femmunkas Hungary	▪ Aluminium frames
Alitalia Branch	Warsaw - Poland	Teknal Poland	▪ Turn-key supply
Panorama	Warsaw - Poland	Budexport Poland	▪ Aluminium frames ▪ Interior fountain ▪ Ceramic elevation ▪ Stone works
Curtis Plaza	Warsaw - Poland	Curtis Development Poland	▪ Aluminium frames ▪ Balustrades ▪ Stone works
Polmot H.Q.	Warsaw - Poland	Polmot Poland	▪ Aluminium frames ▪ Balustrades
Atrium Plaza	Warsaw - Poland	Skanska Sweden	▪ Aluminium frames ▪ Balustrades ▪ Stone elevation
CF Pulawska	Warsaw - Poland	Curtis Development Poland	▪ Aluminium frames ▪ Stone elevation
Polish TV H.Q.	Warsaw - Poland	Bouygues Construction France	▪ Aluminium frames ▪ Stone elevation ▪ Marble works
Plac Teatralny	Warsaw - Poland	Bouygues Construction France	▪ Aluminium frames ▪ Stone elevation ▪ Marble works
Ilmet Building	Warsaw - Poland	Ilbau Construction Austria	▪ Aluminium frames ▪ Stone elevation
Pazim Centre	Stettin - Poland	Ilbau Construction Austria	▪ Aluminium frames ▪ Stone works
Citibank H.Q.	Warsaw - Poland	Bilfinger + Berger Germany	▪ Aluminium frames
Citibank H.Q.	Katowice - Poland	Wibeba Bau AG Austria	▪ Aluminium frames ▪ Stone elevation
Main Station	Novosibirsk - Russia	Siberian Railways Russia	▪ Aluminum frames ▪ Marble works
Hotel Astoria	St. Petersburg - Russia	Are Construction Finland	▪ Aluminium frames
Water Heaters Plant	Vitebsk - Belarus	Haka Finland	▪ Aluminium frames
SOK Dept. Stores	All over Finland	SOK Finland	▪ Aluminium frames ▪ Lighting fittings ▪ Suspended ceilings
Citysokos	Lahti - Finland	Haka Finland	▪ Aluminium frames
Nokia H.Q.	Helsinki - Finland	Are Construsction Finland	▪ Aluminium frames
Are H.Q.	Jyvaskyla - Finland	Are Construsction Finland	▪ Aluminium frames

List of Company's Key Persons:

Position	Name
Chairman	Arch. Francesco Risso
Managing Director & Sales Manager	Eng. Alberto Risso
Finance & Administration Manager	Dr. Walter Benetton
Marketing Manager	Wioletta Kulimowska
Logistic Manager	Daniela Risso
Technical & Engineering Manager	Eng. Mauro Rontani
Plant Manager	Eng. Leo Pari

Location:

GAIA SYSTEM Group is based in Torino, Northern Italy having branch offices in Warsaw (Poland) and Martigny (Switzerland).



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THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and its partner

CISQ/RINA

hereby certify that the organisation

GAIA SYSTEM s.a.s.

VIA LEONARDO FEA, 62 - 10148 TORINO, ITALIA

in the following operative units

VIA LEONARDO FEA, 62 - 10148 TORINO, ITALIA

for the following field of activities

DESIGN, MANUFACTURE, ASSEMBLY AND ERECTION OF ALUMINIUM AND GLASS WALLS SYSTEMS
AND ACCESSORIES FOR TRADITIONAL USE AND APPLIED TO THE PHOTOVOLTAIC FIELD

has implemented and maintains a

Quality Management System

which fulfills the requirements of the following standard

ISO 9001:2000

Registration Number:

IT-64901



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René Wasmer

President of IQNET



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Gianrenzo Prati

President of CISQ

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Pulawska Financial Center – Warsaw, Poland

Atrium Plaza – Warsaw, Poland





Atrium Tower – Warsaw, Poland



Thermal Hotel Helia – Budapest, Hungary



Panorama Commercial Center – Warsaw, Poland



Curtis Plaza – Warsaw, Poland



Plac Teatralny Citibank BRE – Warsaw, Poland



Citysokos – Lahti, Finland



Panorama Commercial Center – Warsaw, Poland



Panorama Commercial Center – Warsaw, Poland



Polish TV Head Quarters – Warsaw, Poland



Main Railway Station – Novosibirsk, Russia

AGOCO Head Quarters – Benghazi, Libya





Municipality Building – Misurata, Libya
Citibank – Katowice, Poland



SPA Resort – Fully, Switzerland
Are Oy Head Quarters – Jyvaskyla, Finland



Pazim Center – Stettin, Poland



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