



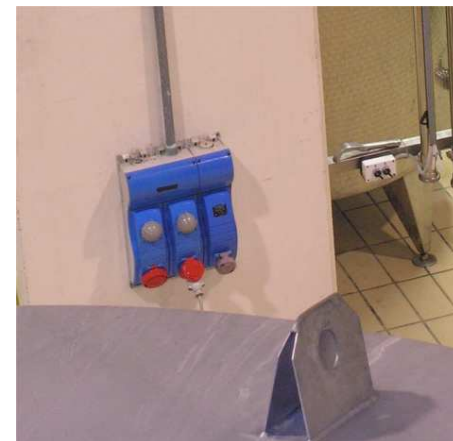
Adro



The Fratelli Muratori farming business represents a completely new reality on the national wine producing scenario. It was established quite recently but its numbers and labels already place it among the most interesting newcomers on the market.



ULYSSE Series



Bottling pump room



Ageing cellar

Fermentation room

RISK PROFILE

- Presence of tiled rooms which are cleaned using water cleaning machines;
- Presence of gases such as nitrogen, sulphur dioxide, carbon dioxide and ethyl alcohol;
- Presence of silicon powders;
- Frequent cleaning and maintenance works on the wine vats;
- High risk of impact during manual handling of loads.

THE SOLUTIONS



- IP66 and IP67 protection ratings to guarantee against forceful jets and accidental immersions;
- “Flame Proof” THERMOSETTING enclosure with GWT 960°C, Self/extinguishing V0;
- No emission of toxic fumes (halogen free);
- Airtight enclosure;
- Impact resistance rating is much higher than IK10 (20J).





Bornato



The Monte Rossa farming business is located in a 17th century villa in Bornato, right on top of the hill that dominates the village. It was established in 1972 and after many years of meticulous selecting of vines and grapes, it now specialises in producing Franciacorta wine and is one of the most renowned in the area.



TAIS Series



Ageing room

Stainless steel vats room

RISK PROFILE

- Risk of accidental spillage of the chemical products used for cleaning;
- Handling of bottle pallets by operators on fork lift trucks;
- Presence of pressurised gas cylinders (sulphur dioxide, carbon dioxide, nitrogen) that can lead to explosion risks;
- Presence of silicon powders.

THE SOLUTIONS



- THERMOSETTING sturdy and robust system which can guarantee airtightness under all conditions;



- High mechanical resistance, equivalent to metal enclosures;
- Excellent resistance against humidity, dust and corrosive vapours;



- Interlocked sockets fitted with AC23A - AC3 category isolator switch.





Alba



This is one of the historical wine cellars in Italy, located in the heart of the old city of Alba, created back in 1881 by Pio Cesare, great-grandfather of the current owners. These cellars produce and refine wines which are typical of the Langhe: Barolo, Barbaresco, Nebbiolo, Barbera, Dolcetto and Arneis.



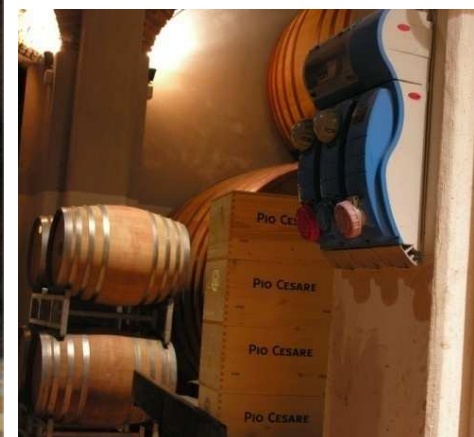
ULYSSE Series

Barriques type barrel room



RINO Series

Vinification room



Bottling room

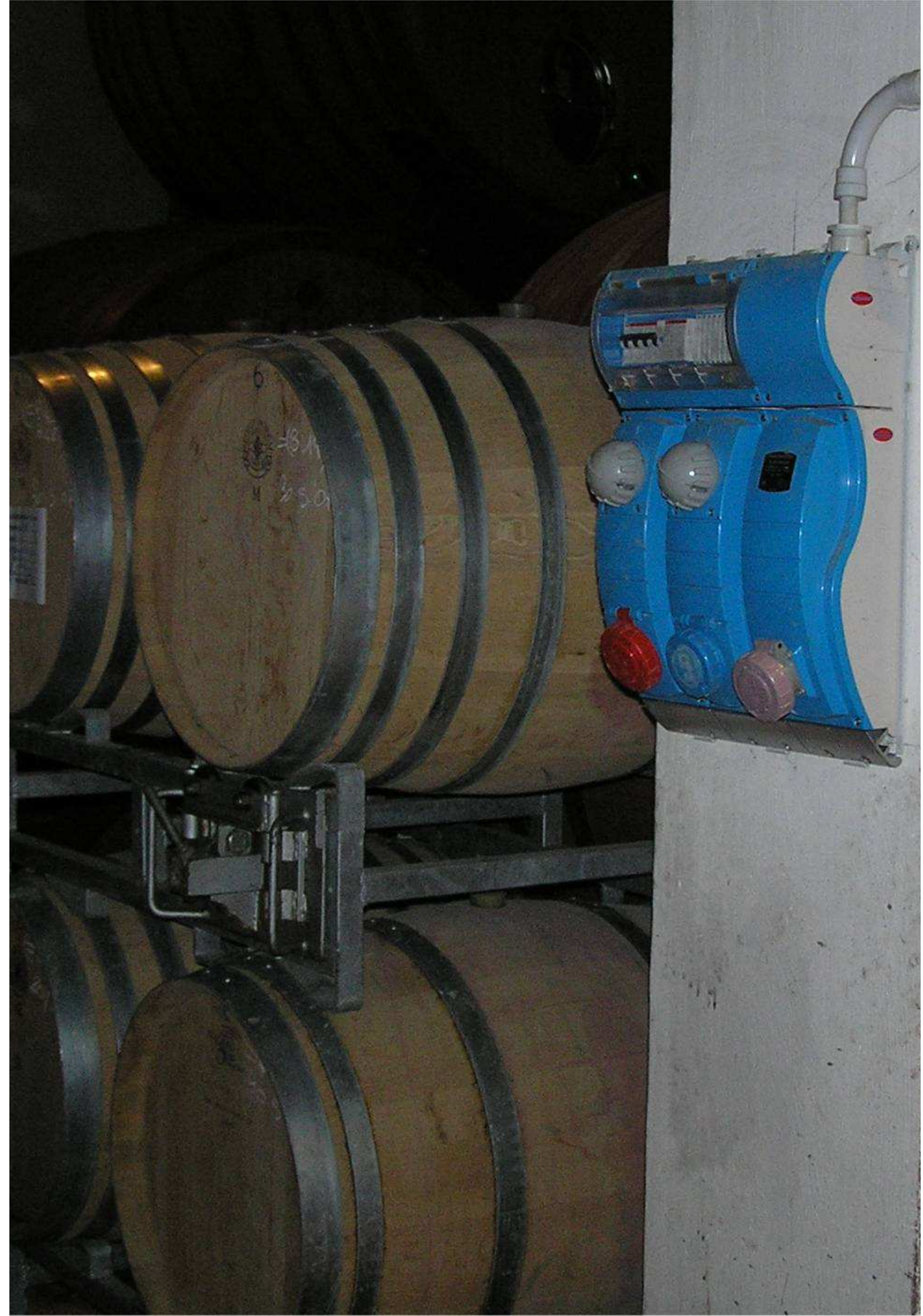
RISK PROFILE

- High risk of exposure of control and picking equipment to powders (free crystalline silicon);
- Power supplied in very humid environments;
- Presence of inflammable substances (nitrogen, carbon dioxide, sulphur dioxide and ethyl alcohol);
- High levels of vibration generated by load handling and transit of vehicles.

THE SOLUTIONS



- “Flame Proof” fire-proof THERMOSETTING enclosure;
- Non-toxic resin with GWT equal to 960°C;
- Airtight enclosure with IP66 and IP67 protection ratings;
- AISI 304 stainless steel lamp base and shatter-proof glass;
- No weak points (welded parts) to ensure it is rust-proof.

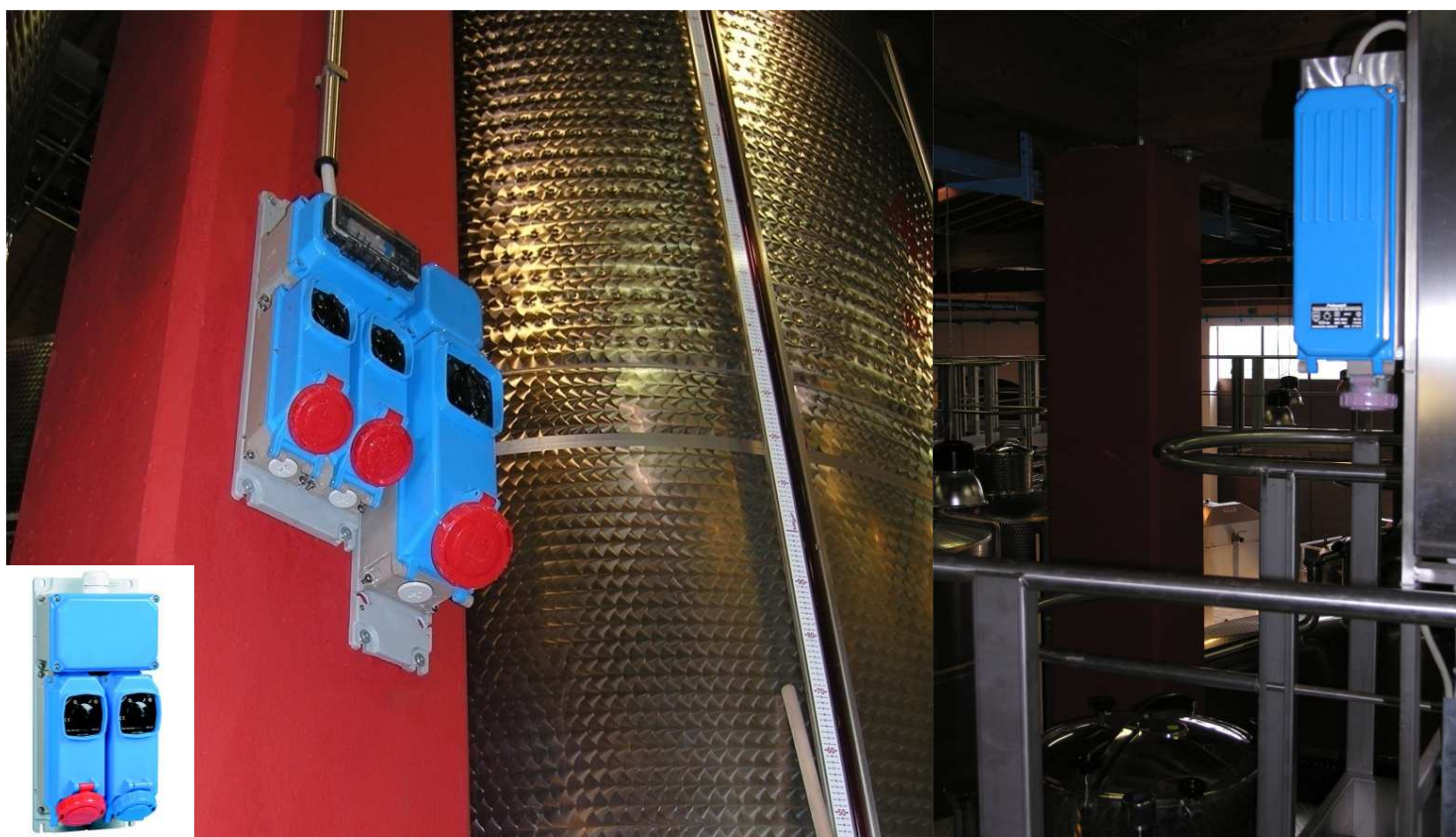




Manerba del Garda



A tradition that dates back to 1931 when Cav. Giovanni Avanzi produced his first excellent red wine from the grapes cultivated on the western banks of Lake Garda. The business expanded when it purchased the splendid 17th century property in Manerba del Garda which became the backfrop and prestigious headquarters for the production of finest quality red and rosé wines.



TAIS Series

Stainless steel vats room

RISK PROFILE

- Presence of caustic soda;
- Work in limited spaces;
- Spilling and leaking of concentrated products;
- Washing operations with water jets with high risk of short circuits and direct contact with live parts;
- Presence of powders (free crystalline silicon).

THE SOLUTIONS



- Excellent resistance against humidity. Dust and corrosive vapours;
- THERMOSETTING sturdy and robust system which can guarantee airtightness under all conditions;
- Watertight gland to protect against water jets and the penetration of oxidising substances;
- Interlocked sockets fitted with AC23A - AC3 category isolator switch.





Brescia



In 1998 a highly advanced heat generation station (heat exchanger) was built with the unusual feature that it burns waste and recovers this energy to produce electricity and heat.



TAIS Series

Storage and unloading areas



CAM Series

RISK PROFILE

- Problems related to the supply of power within the waste storage area;
- Presence of powders that fall from the hopper into the load funnel;
- High levels of vibration generated by vehicles;
- High temperatures from the burner furnace;
- Frequent use of water cleaning machines and purification units.

THE SOLUTIONS



- “Flame Proof” THERMOSETTING enclosure with GWT 960°C, self-extinguishing V0 and impact resistance >> IK10;



- AC23 category cutoff switch which is able to detect and cutoff inrush and blocked rotor current;



- Dual insulation enclosures with IP65 protection rating. Resistant against rodents, chemical agents and guarantee high dimensional stability.



Brescia



Gnutti machinery was founded in Brescia in 1955 and was one of the first companies to launch itself on the market as a supplier of tooling machines. It is currently the world leader in the sector of designing and building transfer machines, with rotating tables, linear and drum layouts.



CEE Series

Transfer machine



TAIS MIGNON Series

Drum machine

RISK PROFILE

- Frequent splashing of oil during cutting processes;
- High vibration levels;
- Frequent insertion and extraction of plugs from sockets;
- Cleaning processes with water cleaning machines;
- Use of solvents and polishing agents.

THE SOLUTIONS



- Pins with high copper content and corrosion-proof treatment;
- Very thick crush-proof hand grip;
- THERMOSETTING enclosures with GWT 960°C, self-extinguishing V0 and impact resistance >> IK10;
- High protection rating and shape stability under all conditions.



SI Invernizzi S.r.l.

Trecate

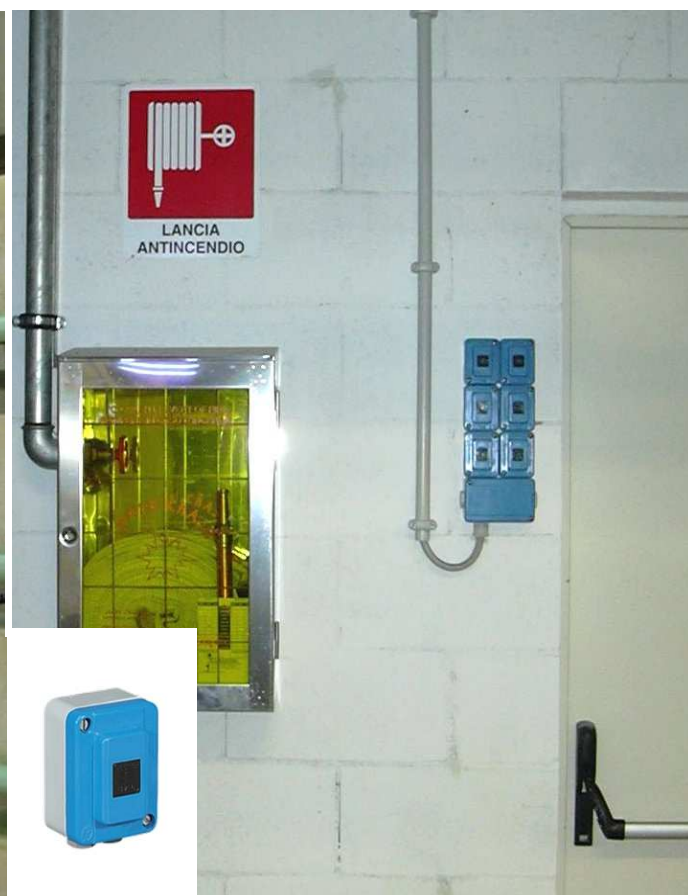


The seasoning facility is an avant-garde concern developed to comply with European health and quality standards. The SI Invernizzi plant is located in Trecate, with a covered area of 10.000 sqm and a storage capacity of 100.000 forms.



TAIS Series

Seasoning Department



TAIS MIGNON Series

Packaging Department

RISK PROFILE

- Warm-humid micro-climate created by the heat generated by the multi-purpose boilers and the stewing processes;
- Extremely high humidity level due to the use of water jet and pressure steam cleaning machines to wash the equipment;
- High levels of vibration from pumps, forming machines and the automatic feed system.

THE SOLUTIONS



- Excellent resistance against humidity. Powders and pressurised steams;



- THERMOSETTING sturdy and robust system which can guarantee airtightness under all conditions;



- Watertight gland to protect against water jets and the penetration of oxidising substances;

- Interlocked sockets fitted with AC23A - AC3 category isolator switch.

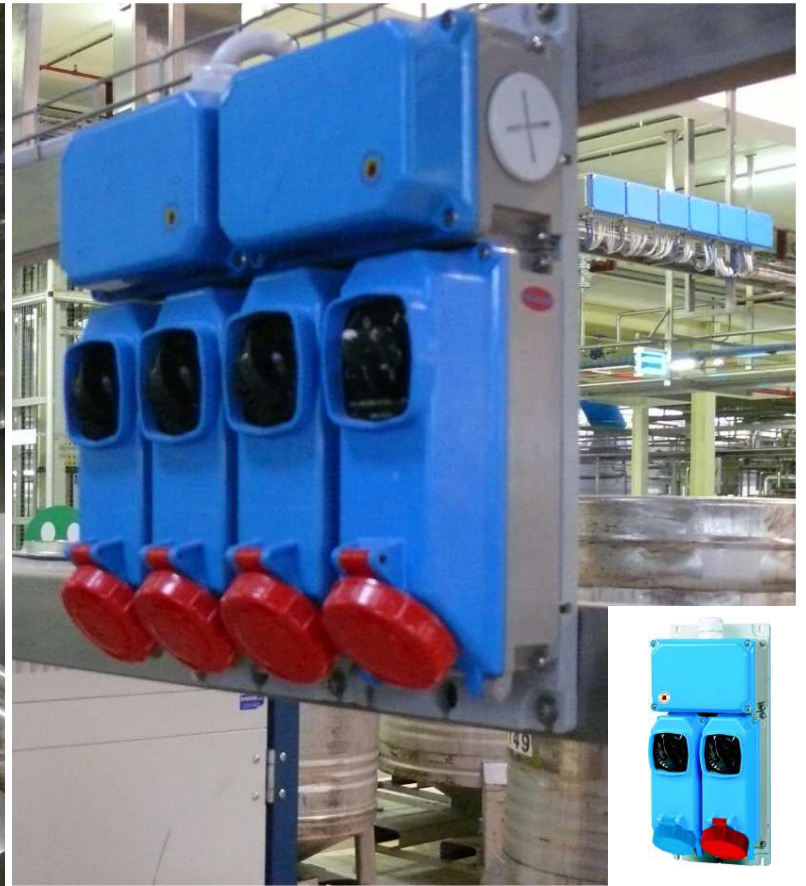
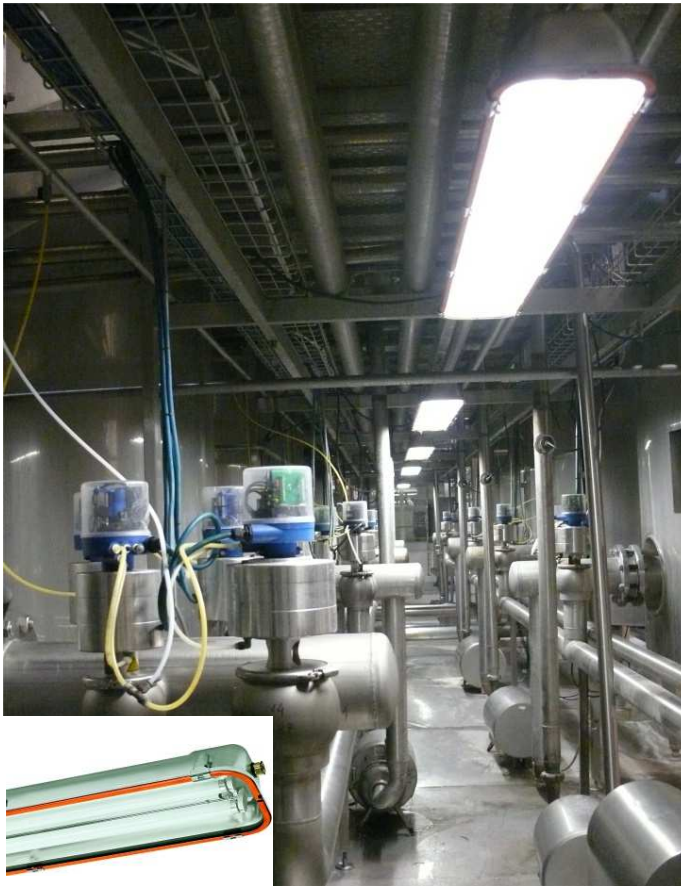




Casale Cremasco



Danone S.p.A. produces and markets fresh milk and cheese products in Italy, reaching a turnover of over 400 million euro per annum. Danone supplies Italian consumers with a wide range of food products, enriched with natural ingredients which, further to the normal benefits of yoghurt, also have a positive effect on the health and well-being of adults and children.



RINO-EX Series

Filtration, Centrifugation and Pasteurization

TAIS Series

RISK PROFILE

- Warm-humid micro-climate;
- Use of sodium-chlorine disinfectants;
- Refrigeration with potentially explosive chemical substances (ammonia);
- Manual and mechanical handling of loads;
- Electrical installations in areas subject to water jets;
- Maintenance with risk of direct and indirect contact with live parts.

THE SOLUTIONS



- Humidity permeable enclosure, airtight against micro powders;
- Corrosion-proof enclosure against electrolyte based attacks;
- THERMOSETTING resin reinforced with fibre-glass to guarantee excellent resistance against stress and vibrations;
- Watertight gland to protect against water jets and the penetration of oxidising substances;
- Ex n lighting fixtures with limited respiration.





San Daniele del Friuli



The prosciutto ham produced by Artigiana San Daniele in Friuli has a characteristic mandolin shape, a weight of no less than 11 kg and it is compact and pink when sliced. It has a typical fragrance and a sweet taste. It is always marketed with a specific marking that identifies the product. This marking consists in a logo with the letters "SD" which is fire branded onto the product.



ULYSSE Series

Salting Department



Seasoning Department

RISK PROFILE

- Washing operations with water jets with high risk of short circuits;
- Salting of solid forms;
- Handling of forms by operators on fork lift trucks;
- Frequent starting and stopping of highly inductive loads (industrial washing machines, automatic salting machines, various electrical tools and equipment).



THE SOLUTIONS

- Humidity-proof THERMOSETTING enclosure;
- Halogen free non-toxic resin;
- Dual IP66 and IP67 protection rating to guarantee resistance against forceful jets (1,000 litres a second);
- Interlocked sockets fitted with AC3 AC23A isolator switch at plate data amperage (16A, 32A etc.), starting and stopping of cage motors.



Brescia



The challenge of "IL PASTAIO" began in Brescia where, without foresaking the passion and tradition of its local gastronomic culture, it goes a step further and makes its mark on international markets where it supplies specialities with highly intrinsic characteristics.



CEE Series



TAIS Series

Kneading machine

Onboard power supply

RISK PROFILE

- High contact vibration level with kneading machines;
- Frequent insertion and extraction of plugs from sockets;
- Daily use of water cleaning machines and disinfection of rooms with chlorine and water based products;
- Power supply to the lorry refrigeration compressors in the parking areas to preserve the products.

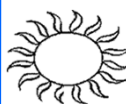
THE SOLUTIONS



- Pins with high copper content and corrosion-proof treatment;



- Very thick crush-proof hand grip;



- THERMOSETTING enclosures with GWT 960°C, self-extinguishing V0 and impact resistance >> IK10;

- High protection rating and shape stability under all conditions;

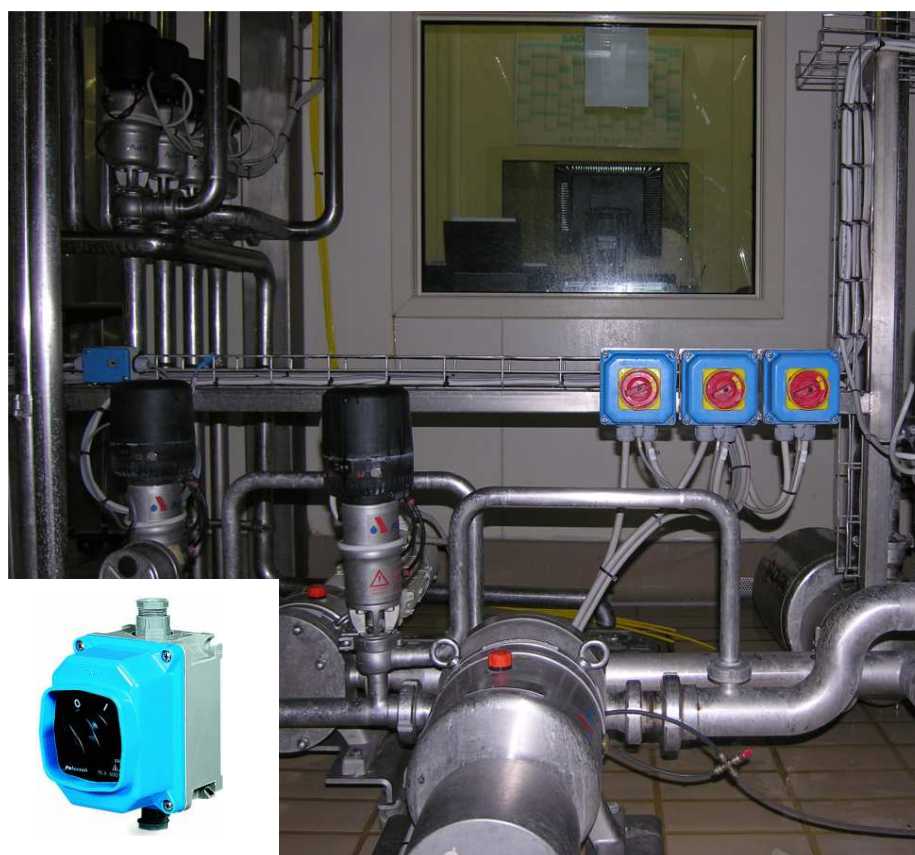
- Excellent level of UV ray resistance.



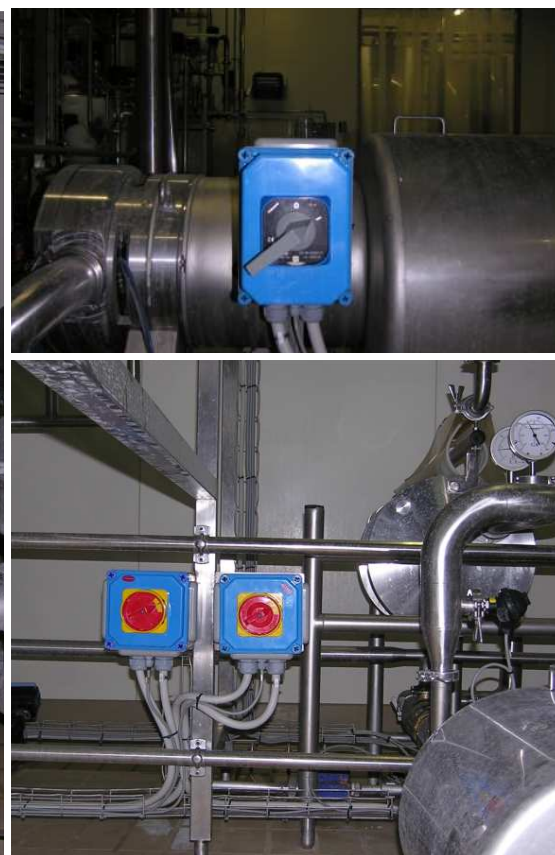
Azzano Mella



The company is located in Azzano Mella, just south of Brescia, in the heart of the Padana plains which has been the fatherland to the famous Grana Padano cheese for centuries. And this is the prize cheese produced by Caseificio Stabiumi, a company that has always been a member of the Grana Padano Protection Consortium and was one of the actual founders.



CAM Series



Pasteurization system

RISK PROFILE

- Vibrations caused by cleaning machines (centrifugal) pasteurising machines and the pumps that circulate the milk;
- Extremely high humidity level due to the use of water jet and pressure steam cleaning machines to wash the equipment;
- To prevent the possibility of operators starting up a machine which is undergoing maintenance work.

THE SOLUTIONS



- Enclosure reinforced with fibre-glass to guarantee excellent resistance against stress and vibrations;
- Dual break silver alloy contacts, each disk has two complete contacts with a high level of connection and disconnection;
- AC3 AC23A isolator switch at plate data amperage (16A, 32A etc.), starting and stopping of cage motors.





Grassobbio



The Allegri company was established in 1945, with a precise business purpose: to produce top quality chemicals with maximum respect for the environment. The range of products includes antifreeze, paints, bleaches, deodorants, detergents, disinfectants, lubricators, polishes and solvents.



ULYSSE Series

Outdoor

Indoor

RISK PROFILE

- High risk due to hail stones and acid rain;
- High levels of vibration generated by load handling and transit of vehicles;
- Presence of hazardous agents of chemical and biological nature;
- Frequent sanitising cycles with detergents and disinfectants.

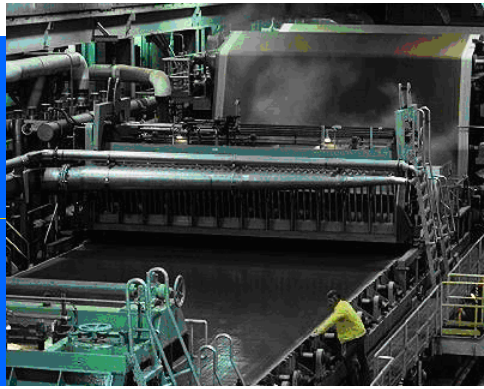
THE SOLUTIONS



- THERMOSETTING enclosure with mechanical impact resistance on all sides >>IK10 (20Joule: impact force);
- Non-toxic resin with GWT equal to 960°C;
- Airtight enclosure with IP66 and IP67 protection ratings;
- Semi-spherical operating knob easily activated even with gloves; it can be locked in position 0 or 1;
- Easy to clean surfaces without receptacles.



INTERTISSUE
 SOFIDEL

United Kingdom


The Intertissue plant produces paper and is located at the Baglan Energy Park. Its range of products comprises toilet paper, paper hand and kitchen towels. Intertissue produces for many leading brands in this range of products (e.g. the REGINA brand).



TAIS Series



Power supply to the forming frame

RISK PROFILE

- Extensive use of chemical products: loads (calcium carbonate), dyes (titanium dioxide) and optical bleaches (stilben sulphonic acid salts);
- Frequent micro-climatic changes due to transit between zones with a warm-humid climate to outdoor zones;
- Fire risk of paper powders triggered by static electricity produced by friction as the products are dragged.



THE SOLUTIONS

- Enclosure with mechanical impact resistance on all sides >>IK10 (20Joule: impact force);
- Completely robust and resistant to changes in temperature;
- “Flame Proof” THERMOSETTING panel with a GWT 960°C, self-extinguishing V0;
- The THERMOSETTING enclosure provides excellent resistance against dyes, bleaches and acids.



Gorizia



The Azienda Provinciale Trasporti (Provincial Transport Company) has been working in the public transport sector in Isontino with one single objective: to provide its citizens with an accessible, economical, safe, practical means of transport which ensures efficient connections between outskirts and villages, schools and work places.



B-SMART series



Washing, inspection and maintenance



ULYSSE Series

RISK PROFILE

- Presence of fuel, mineral resin and engine oil;
- Frequent splashing of oil during maintenance processes;
- Application outdoors subject to adverse atmospheric agents (rain, cold, snow, wind, heat, etc.);
- Exposure to mixed dusts and asbestos dusts;
- Exposure to vibrations.

THE SOLUTIONS



- **ENERGYTOWER**: vandal-proof, tamper-proof AISI 316L stainless steel;
- **ULYSSE** with AC3 AC23A isolator switch at plate data amperage (16A, 32A etc.), starting and stopping of cage motors;
- The **THERMOSETTING** and **STAINLESS STEEL** enclosures provide excellent resistance against hydrocarbons;
- Protection ratings **IP66** and **IP67**: completely insulated against dust and resistant to heavy rainfall.

COMAZOO

MANGIMIFICIO - ESSICCATOIO

Montichiari



Cooperativa Miglioramento Agricolo Zootecnico s.c.a.r.l. provides services including drying, storage and subsidised marketing of its own cereals and chemical-qualitative analyses on company fodder. Their core activity is the production of simple and compound feedstuffs, saline and vitamin supplements, milk for calves and many other.



Local sectioning



CAM Series



ULYSSE Series

General sectioning

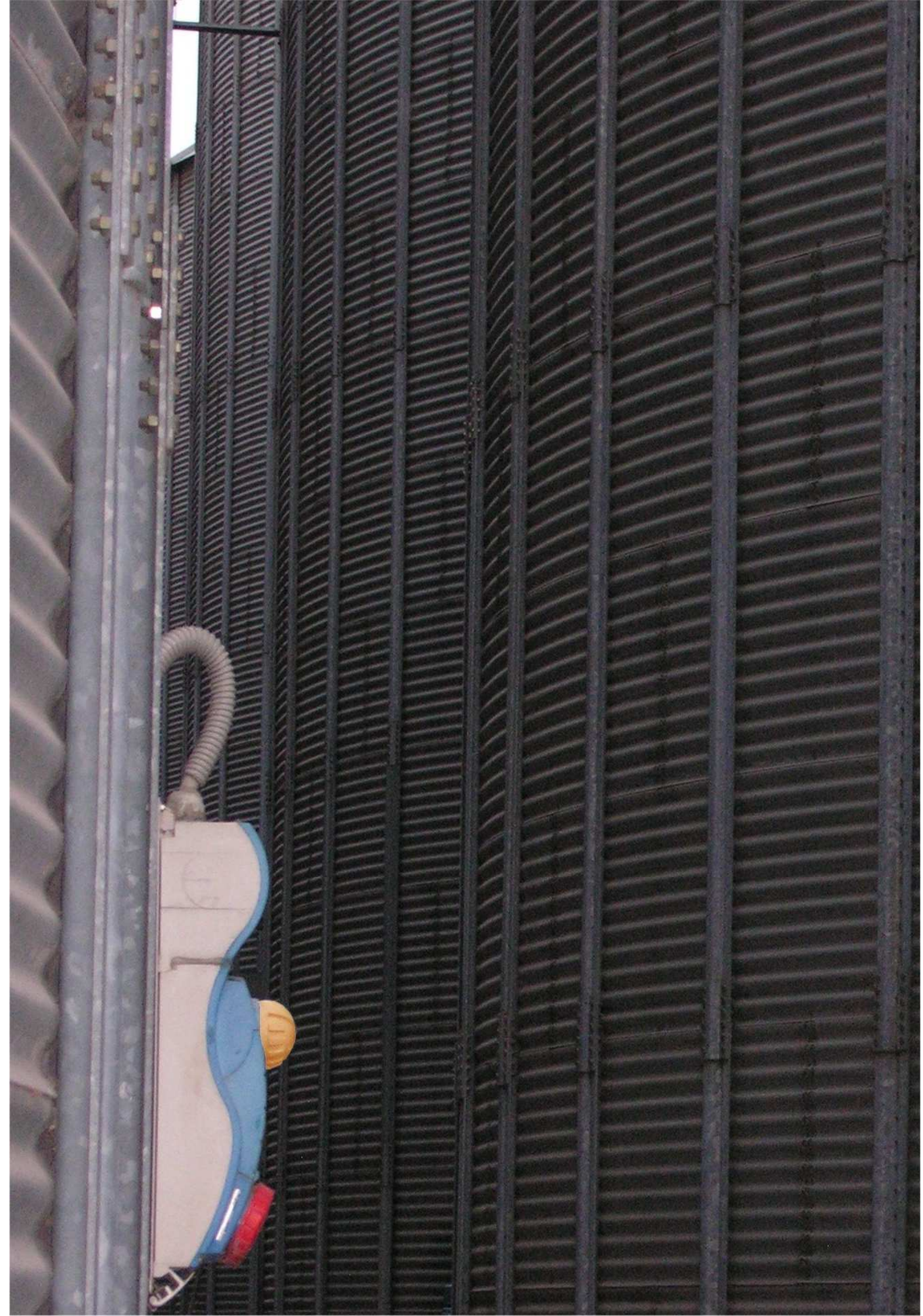
RISK PROFILE

- Presence of combustible dusts that develop during the handling, processing and drying of feedstuffs;
- High vibration levels;
- Frequent maintenance work;
- Activity requiring Fire Prevention Certification and classified as environments with high levels of fire risk.

THE SOLUTIONS



- “Flame Proof” fire-proof THERMOSETTING enclosure;
- Non-toxic resin with GWT equal to 960°C;
- Airtight enclosure with IP66 and IP67 protection ratings;
- AC23 category cutoff switch which is able to detect and cutoff inrush and blocked rotor current;
- Completely robust enclosure.





Fanna



This cement plant supplies a wide range of hydraulic binders, both Portland and Pozzolanici types, guaranteeing best possible results in all fields of application, to satisfy the various requirements this market has.



TAIS TRE Series



Circuit inside the electrical panel



Dust filtering system

RISK PROFILE

- Extensive dispersion of dusts, especially during accidental leaks;
- Frequent cleaning of equipment;
- Frequent maintenance work on fan exhaust, such as: replacement of motor, fitting, fan wheel or fan;
- Presence of pressurised devices with explosion risks;
- Development of polluting agents.

THE SOLUTIONS

IP66



- Protection rating IP66: completely insulated against dust and resistant to strong water jets from the cleaning machines;
- “Flame Proof” THERMOSETTING enclosure with GWT 960°C, self-extinguishing V0 and impact resistance >> IK10;
- Completely robust and resistant to changes in temperature;
- Halogen free resin, in the event of a fire it releases no halogen gases (fluorine, chlorine, bromine, iodine and astatine).



Brescia



Officine Riunite Italiane started its activities in the mechanical sector back in 1902.

Over the years to come it focused on top quality and special steels; it developed a range of products for specialised use, it acquires the technology needed to respond to the demands of a clientele that requires quality and product continuity.



Maintenance Department



TAIS Series

RISK PROFILE

- Storage and handling of hazardous and easily inflammable products such as organic solvents and varnishes used as removal agents;
- Propagation of vibrations with direct or indirect transmission;
- Exposure to foundry sand dusts that are dispersed into the atmosphere when the brackets are being refilled;
- Nitrogen oxides and chloride acids are released during the melting process.

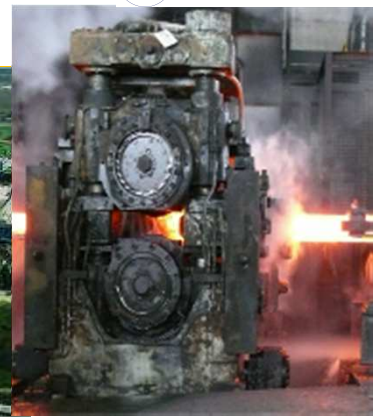


THE SOLUTIONS

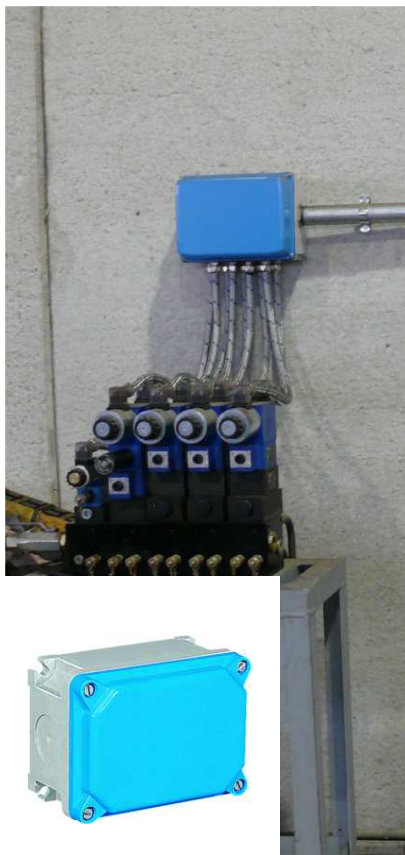
- “Flame Proof” THERMOSETTING enclosure with GWT 960°C, self-extinguishing V0 and impact resistance >> IK10;
- AC23 category cutoff switch which is able to detect and cutoff inrush and blocked rotor current;
- Dual insulation panels with IP65 protection rating. They are resistant against acid and base chemical agents and guarantee high dimensional stability.



Lonato



Over the years, the Feralpi Group has mainly developed its business in the building steel sector. In the steelworks sector, this development led to the acquisition of important companies in Italy and other parts of Europe. The Group is one of the top and most highly qualified European manufacturers in this sector.



TAIS Series



Room in front of the tower blast furnace



TAIS Series

RISK PROFILE

- Storage and handling of hazardous and easily inflammable products such as organic solvents and varnishes used as removal agents;
- Propagation of vibrations with direct or indirect transmission;
- Exposure to foundry sand dusts that are dispersed into the atmosphere when the brackets are being refilled;
- Nitrogen oxides and chloride acids are released during the melting process.

THE SOLUTIONS



- “Flame Proof” THERMOSETTING enclosure with GWT 960°C, self-extinguishing V0 and impact resistance >> IK10;



- AC23 category cutoff switch which is able to detect and cutoff inrush and blocked rotor current;



- Dual insulation panels with IP65 protection rating. They are resistant against acid and base chemical agents and guarantee high dimensional stability.

