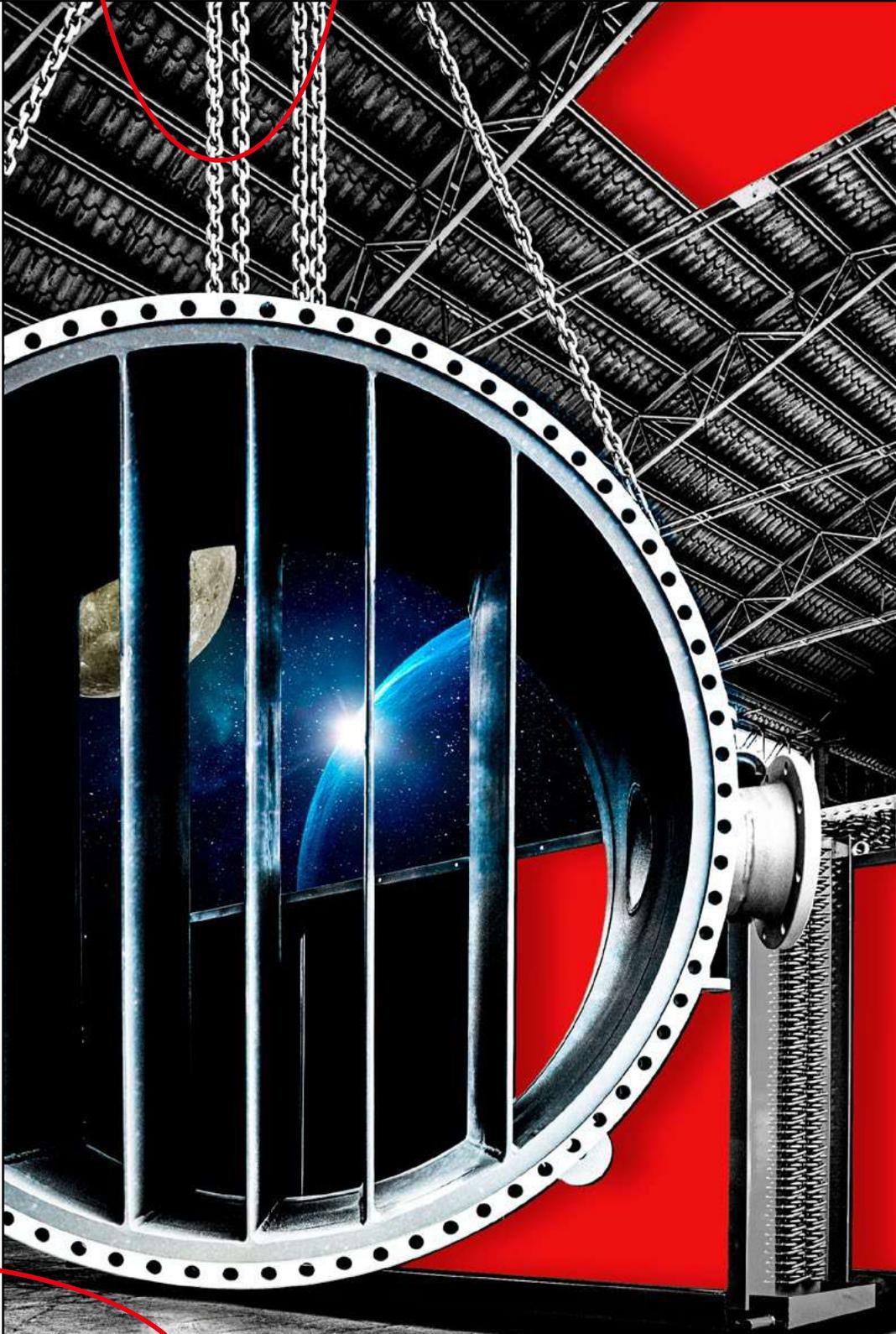


CARING FOR DETAILS,
REGARDLESS THE SIZE

COATING, FIREPROOFING AND INSULATION FOR INDUSTRIAL
PLANTS, ENERGY, OFFSHORE AND INFRASTRUCTURES

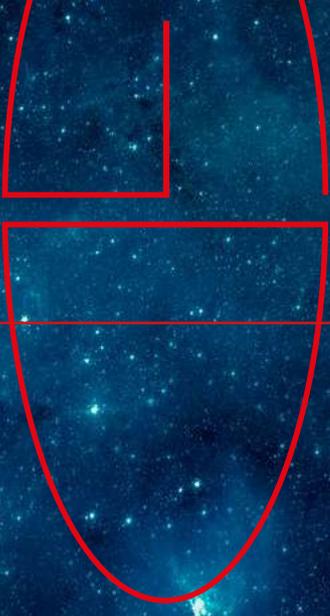


IN SHOP



DONELLI

CORROSION PROTECTION
APPLICATIONS SINCE 1911



Nowhere like in our industry, we know that every micron matters, even when applied to the smallest detail. Any item, regardless its size, if not properly protected and maintained can cause direct and indirect damages as well as put safety in danger. Taking full account of the responsibility tied to the services, we carry out, for many decades, Donelli aims at being the market leader in managing and executing surface preparation and coating services on a wide range of equipment (from pocket size valves to 100 ton heat exchangers, anything in between).

On site, at customer premises or in our 5 state of the art painting shops we are tirelessly working to ensure safe and accurate services allowing you to extend this comfort down the value chain until the end customers. We are responsive and competitive, but without losing control over the entire process as well as to details.

Our key success factor is the ability to execute a truly wide range of coatings, linings and ancillary services to a heterogeneous set of items, including valves, heat exchangers, subsea installations, skids, architectural items, pressure vessels, pipes, bends and penstocks. We dedicate the most accurate attention that is typical of an artist, yet backed by a large enterprise, with competences and continuous investments.

We are always ready to take on the challenge to extend the expected life of a used item as well as to protect a new one in order to make it last as long as possible. We are also successful thanks to highly specialized applicators capable of applying the specific system under the close control of certified inspectors and the most developed sensors.



In nowadays-industrial ecosystem, we understand the necessity to compromise between automation and tailor made services to stay on the edge. We strive to automate anywhere possible, even though most of the projects are still in the experts' hands of our applicators, a source of pride for our enterprise.

NEWEST TECHNOLOGY, OFTEN PROPRIETARY, ALL IN OUR HANDS.



Valve coating services

Our team is qualified to carry out liquid and powder based coatings including FBE (Fusion Bonded Epoxy) as well as TSA/TSZ (Thermal Spray Aluminum/Zinc). Our applicators are constantly trained to facilitate roll-out of novel technologies as well as continuously updating our internal procedures to meet renewed technical specifications issued by end users such as ARAMCO, SWCC, NORSOK, TOTAL, PETRONAS just to name a few. Knowing the importance of offering one-stop-shop solutions, we have developed internal competences to jointly run with you R&D projects, co-author publications as well as to operate our own testing labs. In addition, strategic alliances with specialized partners allow us to manage through secondary services such as re-machining, temporary import, packaging and storage.

Main services:

- FBE (Fusion Bonded Epoxy) lining for food, petrochemical and chemical industries;
- TSA/TSZ (Thermal Spray Aluminum/Zinc);
- PUR coatings for deep sea installation;
- Epoxy coatings for underground and subsea services;
- Atmospheric corrosion in accordance to ISO 12944 standard.



OMSG

PORTATA MASSIMA 12000

EPAL

Corrosion protection of shell & tube heat and finned pack heat exchangers

OUR JOB IS A CLEAN ONE.

Meeting or exceeding safety and environmental regulations is our mantra. With specific reference to emissions for instance since 2017 at our Voghera plant – to our knowledge the only custom coating facility with such a device – we have started operating a post burner. This system collects oven emissions and turns them into clean air. In fact, to be truly clean, you need to be inside as well as outside!

Main services:

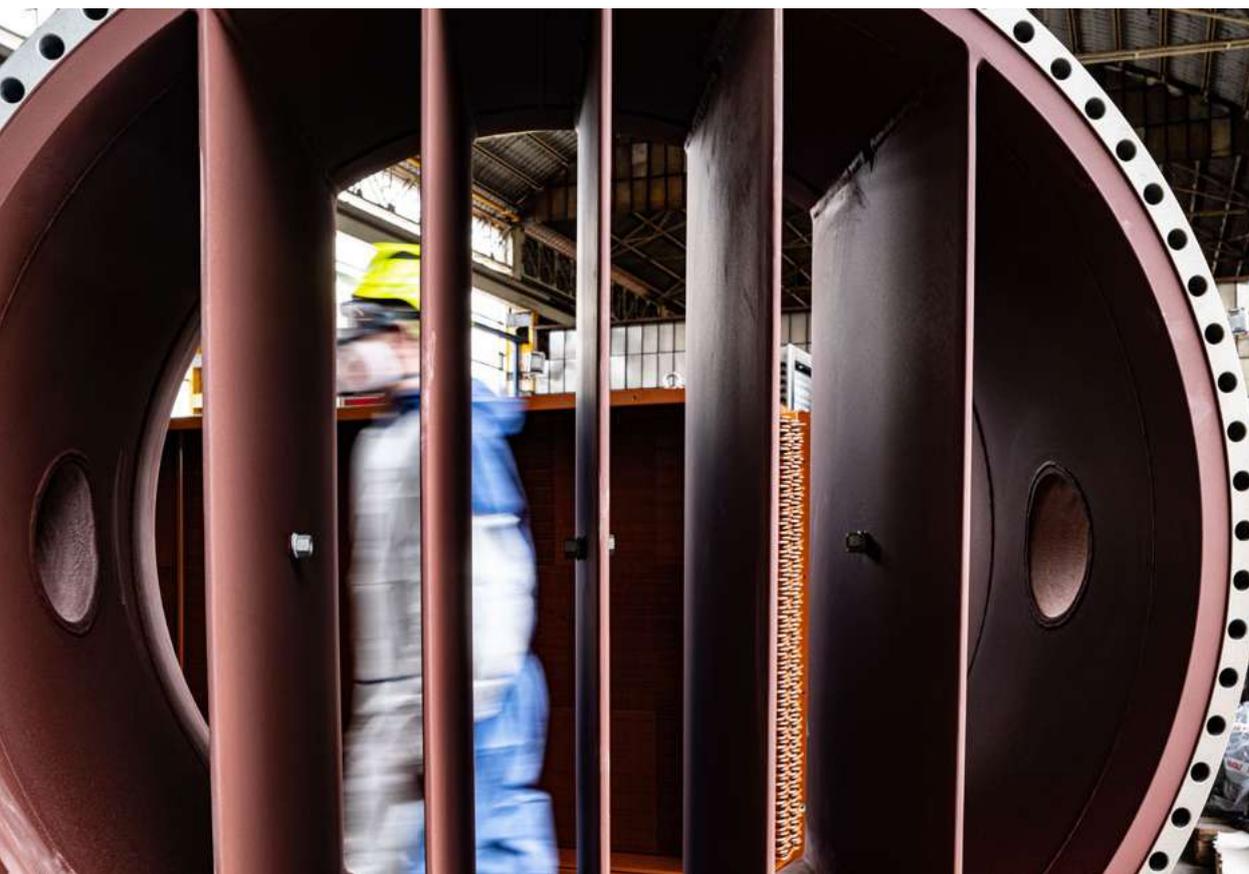
- Tube and shell side corrosion protection of shell & tube heat exchangers with Säkaphen technologies;
- Corrosion protection of finned pack heat exchangers with Heresite solutions;
- Corrosion and abrasion lining for water boxes, channels and tubesheets;
- Rotor and impeller coatings;
- ISO/DNV tank services.

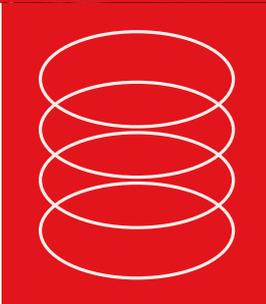


DONELLI ALEXO S.r.l.

Licenses for Italy

Certified applicators for Europe





Main services:

- Finned pack heat exchangers corrosion and bacteria resistant protection with Blygold and Thermoguard technologies;
- Skid and casing protection in accordance to ISO 12944;
- Pipe and fitting coatings;
- HVAC maintenance with environmentally friendly technologies;
- Failure analysis and customized testing.

 **IMPRESA DONELLI** s.r.l.

Licenses for Italy

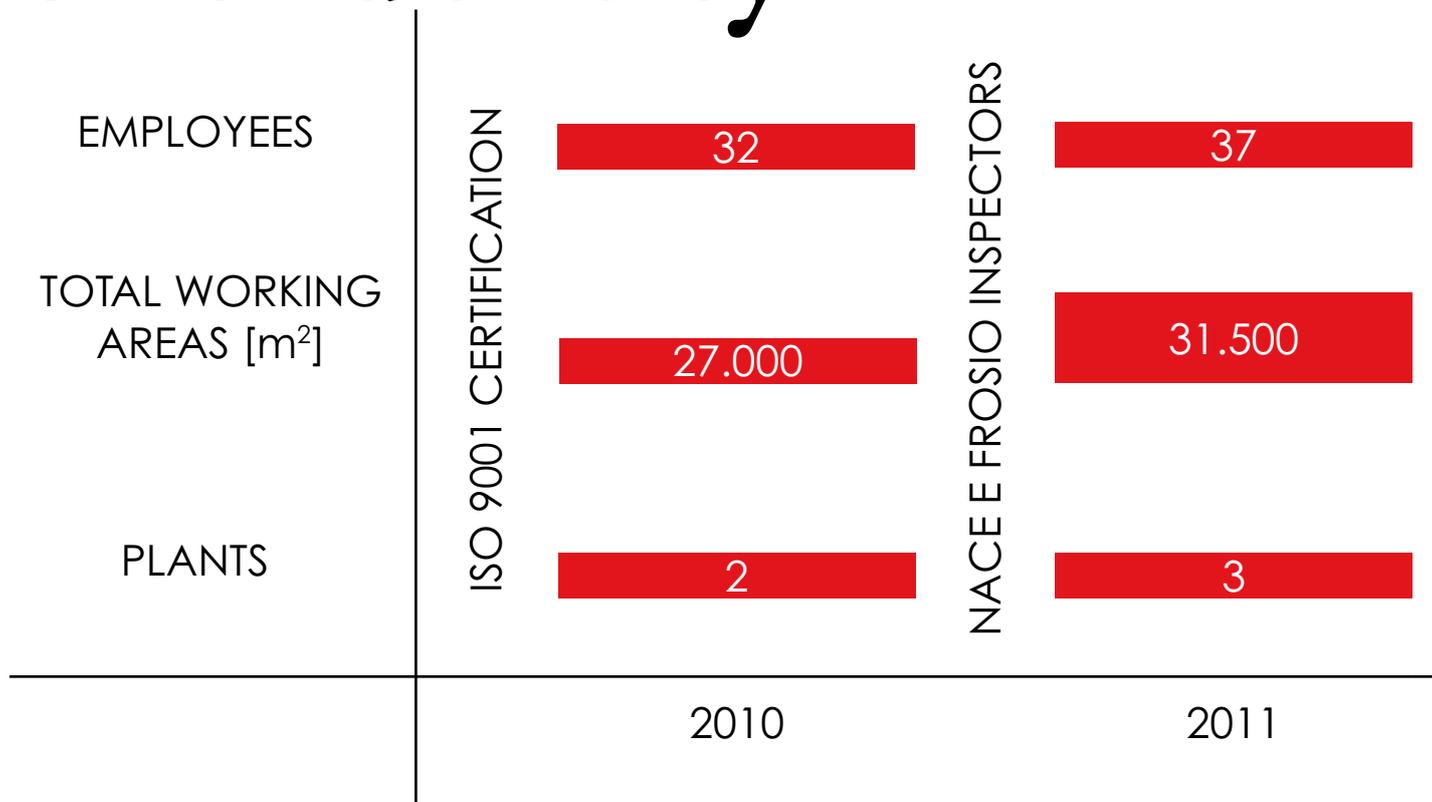
Licenses for Italy

 **Blygold**®

 **THERMOGUARD**

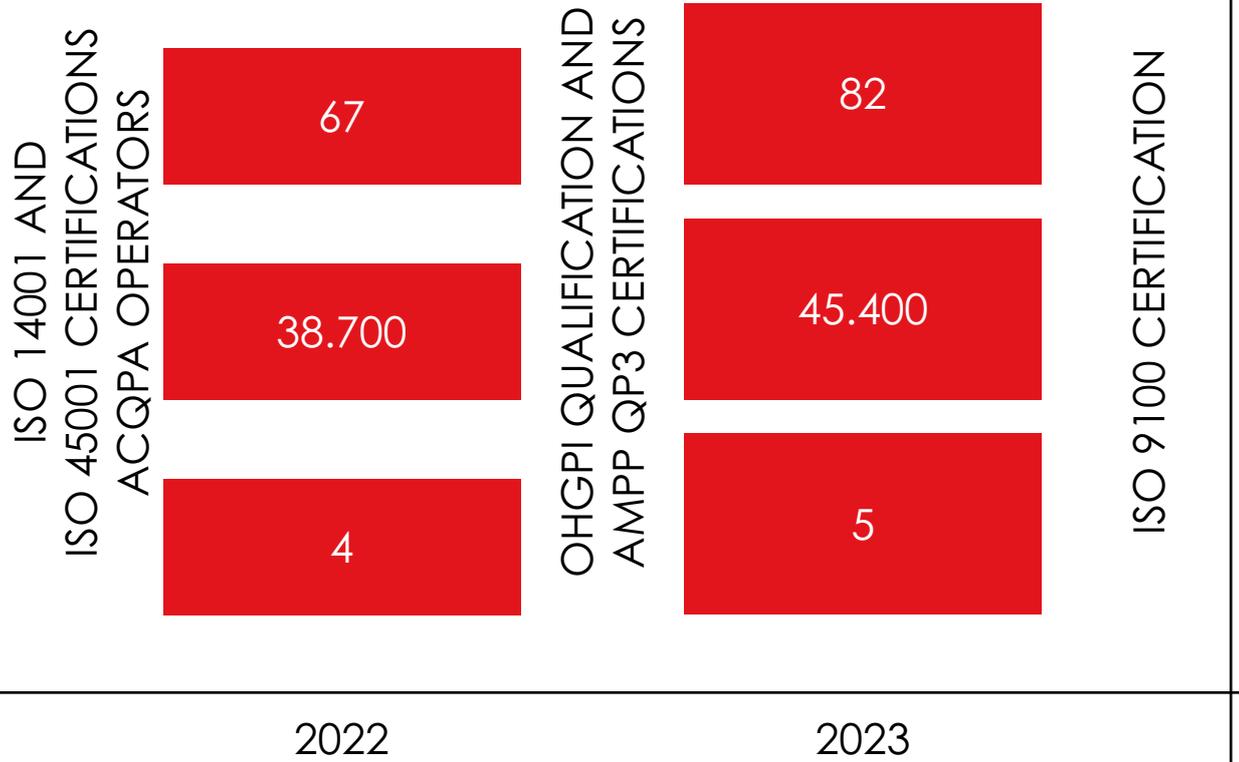


Five plants, one identity



We have worked hard to ensure a unitary customer experience developing the “Donelli identity”. This is what you find in all 5 plants, even in the two recently opened plants (Cuggiono CX and Ferno MXP) as they immediately matched our intended service level. They all are equipped with advanced technologies, automatic application and monitoring whenever possible, without losing that tailor made attitude, which we have embraced since 1911, since Giovanni Donelli started our endeavor. We do not stop here; you can have this service at your door! Just ask us about our expertise in management of customers coating facilities; currently 5 have already selected us!





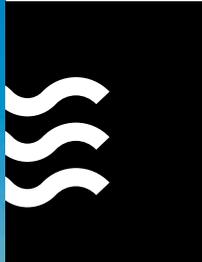
Offshore and subsea coating applications

AN OFFSHORE RIG IS WHERE ASSET INTEGRITY IS KEY.

Fauzia, Elettra, Guendalina, Katarina are not just beautiful female names, but also some of the rigs we had the pleasure to help keeping efficient.

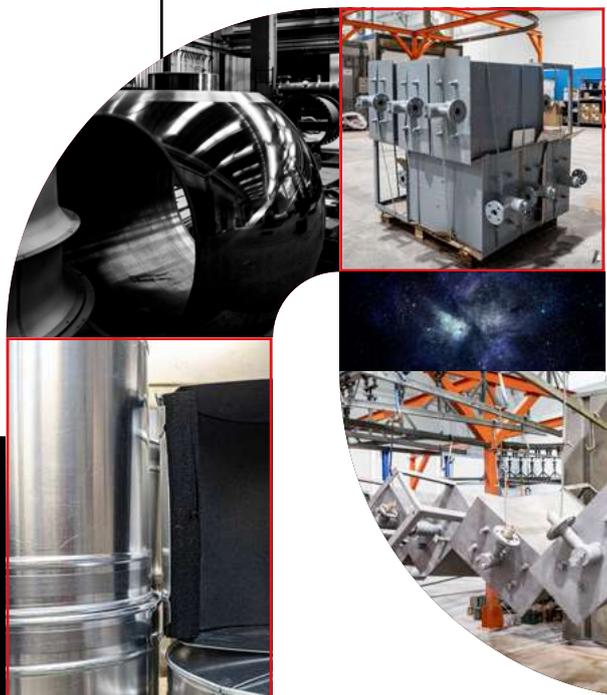
Regardless of the engineering decisions that any given offshore installation leads to, whether it can be shallow waters or deep-sea, harsh environments and the elements are a constant threat to the rig.

One thing is certain; these structures require corrosion protection! Donelli, thanks to its unique experience of on site as well as in shop work, knows what it means not only in lab tests, but also in real life. We are able to execute high solid and solvent free high thickness coatings for piping, valves, skids, vessels, structures in accordance to any end customer specification as well as to ISO 12944 for CX exposure.





Aesthetic-protective powder based systems



In recent years ,powder based coating systems have significantly improved and nowadays they often represent an equivalent, yet more friendly solution for the environment, than liquid based systems. In fact, they offer a pleasant aesthetic finish required in architectural projects, they are faster to be applied and they do not release VOC (Volatile Organic Compound).

Hence, Donelli has invested in CX and MXP Plants to transition from a purely liquid based applicator towards a hybrid liquid-powder applicator. This allows us to offer a valid alternative whenever the aggressiveness of the environment is limited.



Donelli has developed into an active player in the asset integrity industry, with specific focus on protecting critical equipment from fire, heat and harsh conditions.

At the same time, staff continuous training is a key component of our strategy. This has led us to develop specific paths for applicators and inspectors as well as build simulators to make sure that safety training is as practical and as close to reality as possible.

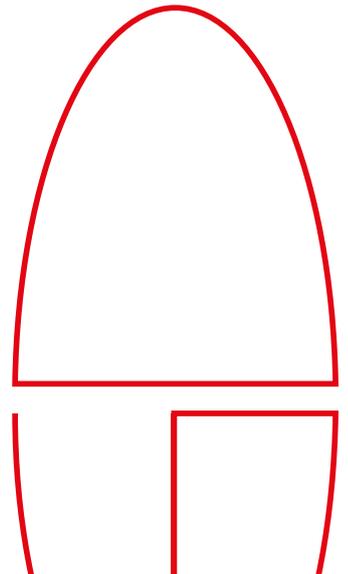
WHILE TRADITION
IS WHAT LED US
HERE, ENSURING
TECHNOLOGY IS
NOW A MUST.



Pressure vessel and pipe lining and coating services

Main services:

- Internal lining with liquid based heat and cold curing systems (Sakaphen technologies), FBE and thermoplastic powder systems;
- TSA/TSZ (Thermal Spray Aluminum/Zinc);
- CSA (Cold Spray Aluminum) and other copolymer technologies to tackle CUI (Corrosion Under Insulation);
- High temperature services, temperature indicating and leakage detecting systems;
- Semi-automated cold applied tapes for buried service;
- Riser coating with low density polyurethane.





9155



Intumescent passive fire protection applications are one of our specialties ever since we contributed to introducing them in our domestic market almost 4 decades ago. A perfectly engineered mix of reliable coating systems and accurate application is pivotal to ensure that vital equipment operate properly to ensure people's safety and plants' damage containment.

There is no one-size-fits with various parameters coming into play. We provide the necessary engineering support, accurate supply and installation of the selected service. In addition, in line with industry edge, we carry out most of the application in shop/during pre-fabrication, limiting on site work to joints.

RISE OF SAFETY STANDARDS LED TO INCREASED PASSIVE FIRE PROOFING DEMAND.



Passive fire protection services

Our enterprise is an approved applicator of numerous technologies and solutions developed by paint manufacturers to protect against all fire scenarios including pool fire of hydrocarbons, jet fire typical of gases, cryogenic spill typical of LPG gas and cellulosic fire typical of commercial and civil buildings.

Main services:

- Intumescent based systems;
- Cementitious based systems;
- Cable, cable trays and crossing protection;
- Fire proofing flexible jackets;
- Precast removable protection.

Approved applicator of:

- Chartek (Akzo Nobel - International Paint);
- Thermo-lag e Pyrocrete (Carboline);
- Pitt-Char NX e XP (PPG);
- Firetex (Sherwin Williams);
- Fendolite (Cafco);
- Jotachar (Jotun).



DONELLI ALEXO S.r.l.

- 1 Cuggiono Plant - Via Francesco Somma, 64, 20012 Cuggiono (MI)
+39 02 97240792 - alexo@donelli.it
- 2 Voghera Plant - Via Giuseppe Pacchiarotti, 8, 27058 Voghera (PV)
+39 0383 43345 - voghera@donelli.it
- 3 CX Plant - Via Francesco Somma, 32, 20012 Cuggiono (MI)
+39 02 97240792 - cx@donelli.it
- 4 MXP Plant - Via Quarto, 48, 21010 Ferno (VA)
+39 0331 879174 - mxp@donelli.it

DONELLI EOS S.r.l.

- 5 Ravenna Plant - Via del Bragozzo, 7, 48122 Ravenna (RA)
+39 0544 436438 - eos@donelli.it

Currently we are also managing 5 clients' coating facilities embedded in their plants.

CERTIFIES INSPECTORS AND QUALIFIED OPERATORS



13 AMPP/NACE inspectors



5 FROSIO inspectors



49 ACQPA applicators



1 CORRODERE insulation inspector



DONELLI

CORROSION PROTECTION
APPLICATIONS SINCE 1911