

Who is Deprest?

Deprest NV is:

- an independent company in the engineering and fabrication of pressure vessels, tanks and equipment for i.a. the oil and gas, chemical, petrochemical and pharmaceutical industry
- a flexible company with more than 75 years of experience in engineering and construction of vessels
- a group of experienced people working with the latest technology in a fully equipped shop, making small and medium vessels
- our customers include both major companies and EPCM contractors

We make vessels and equipment like: reactors, columns, atmospheric tanks, pressure vessels, storage tanks, separators, chocolate tanks, homogenizers, agitators, filters, test labs, double jacket vessels, half pipe jackets, extractors, crystallizers, hoppers, plate filters, absorbers, silos...

Materials

Deprest has extensive materials knowledge and experience in welding of various alloys. Processed materials include:

- Carbon steel variants: from construction steel e.g. for supports, vessel steel, to fine-grained steel, etc. Frequently-used qualities are vessel plate P355GH, P355NL1, P355NL2, P265 GH, SA387Gr11 and ASME SA 516 grade 60.
- Frequently used stainless steel grades: SS304L, SS316L, 1.4541 and 1.4571i
- Special stainless steel types and nickel alloy materials such as different types of Hastelloy, Inconel, Incoloy, duplex (e.g. 904L/1.4539), superduplex (e.g. A825), 1.4000, SMO, Uranus. For a full list of materials we can process, we refer to our website www.deprest.be

Engineering, Calculation and Design

Fabricating pressure vessels starts with the engineering process:

- Deprest designs according to PED 97/23/EG directive and is certified for the welding of pressure vessels according to :
 - o EN13445
 - o AD2000
 - o ASME VIII
- Deprest also designs atmospherical tanks according to API650 and local standards (like Vlareme)
- Cad design software 2D and 3D
- Calculation software for pressure vessels and equipment (Microprotol)
- Software for calculation of nozzle loads (Nozzle Pro)
- Other calculations if necessary by external partners

Inspections, Quality Assurance and Document Management

Offering a high-quality product and good service are extremely important to us.

Each project, large or small, is prepared and carried out with the utmost care. Our integrated quality system is a guiding principle for constantly monitoring our quality. Moreover, we strive for continuous improvement of internal processes, without losing sight of the general standards and regulations.

As an extension to our ISO 9001 certificate, we have obtained ISO 3834-2/BS, a standard related to the quality requirements for welding. We also have the necessary welder and welding procedure certificates for materials according to ASME, EN287 and EN15614. Of course, all our welders are certified.

A material certificates management is extremely important in case of making pressure vessels. By default, with every order, 3.1 material certificates are requested and directly electronically linked into our ERP system, so they will always remain at our disposal and subsequently easily retrievable. Other incoming or outgoing documents are also electronically linked in our system.

So, at the time of delivery of the product, every step is thoroughly tested and checked, so that the customer will receive a fully documented file according to the required specs.

References

Deprest works merely for the big chemical and petrochemical companies present in the Antwerp Harbor, like Bayer, Lanxess, Exxonmobil, Total, Evonik, FAO (Fina), as well as for some major pharmaceutical companies, EPCM contractors and engineering consultants.

Contact

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