

Cold box for an ASU

Dresden | Germany

S U C C E S S T O R Y



CRYOSPAIN

Cold box for an ASU





Cold box for turbines in an ASU

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A company in Dresden, Germany specializing in industrial and medical technical gasses, came to Cryospain with the challenge of adding a cold box extension for the turbines in their Air Separation Unit (ASU). They needed a workshop that could supply an 360° product, including engineering and manufacturing work, and at the same time have expertise in various technical disciplines such as mechanics, instrumentation and control, electrical, rotary machines and metal structures.

SUCCESS STORY



The Project

The task facing our team consisted of the design and manufacture of several cold box extensions for the company's facilities in central Spain to protect cryogenic machinery such as pumps and turbines.

We met with our client to plan out a project in which we would handle all of the cryogenic piping and valves, as well as cryogenic centrifugal pumps and turbines. They also tasked us with providing the instrumentation necessary for the project.



The Solution

Cryospain's vacuum technicians, cryogenic welders and mechanics worked in unison on this project to **provide an integrated, compact, transportable and high-quality solution.**

We encased every element our client needed within a metal structure protected by metal panels.

Our experts then filled the cold box with cryogenic insulation, **choosing perlite as optimal**

for this job out of options such as rock wool and polyurethane, among others.

Cryospain believes in **quality that can be measured**, and every step of the process was documented and compliant with **strict ISO 9001 standards.**



The Results

Our customer saw the results they hoped they would get from a company with 20 years of experience in Cryogenic equipment design and manufacture. We gave them the one-stop shop they wanted and combined it with the highest quality standards. The right end product at the right price and ahead of schedule.

To see more success cases like this, head over to our [news section](#).

Don't hesitate to [contact us here](#) or by email at cryospain@cryospain.com and see for yourself that we're ready to design and manufacture everything your business needs.



Business lines

ENGINEERING TAILORED TO THE NEEDS OF THE CRYOGENIC SECTOR



Cryoline



Low-Pressure Storage



Tailor-made Equipment



Pressurised Storage



Plants and Stations



Cryogenic engineering



**Maintenance and
After-Sales Services**



CRYOSPAIN

P.I. El Cascajal - C/ Urogallos, 1-3

28320 Pinto - Madrid - SPAIN

+34 91 295 93 67

www.cryospain.com