

Hydrogen compressor skid

Reference

Project:

The Iberdrola project in Puertollano is one of Europe's most advanced initiatives for the production of green hydrogen, integrating solar power, batteries and industrial-scale electrolyzers.

It is operational, partly funded by the EU, and supplies green hydrogen to the Fertiberia plant, which uses it to replace traditional hydrogen obtained from natural gas for the production of low-emission ammonia and fertilisers.

Site: Fertiberia

Location: Puertollano (Spagna)

Final customer: Iberdrola

Year: 2022

Storage: 6.000 kg H₂ at 60 bar

Monteco took part in this project, acting on behalf of the supplier of the compression unit to integrate it onto a skid complete with all the auxiliary units required for its proper operation.

The supply included:

- Complete engineering services for construction
- Mechanical calculations including :
 - Foundation loads
 - Calculation of lifting loads
 - Seismic and wind loads
 - PED Declaration for piping
- Items selections
- Piping supply and mechanical fabrication
- Cabling
- FAT and packaging for shipping

