



## PROJECT DESCRIPTION

The purpose of project is basic engineering activities for the realization of a new nitrogen liquefaction plant, nitrogen and oxygen storage and vaporization systems.

## PROJECT FEATURES

**Manhours:** 2.200

**Duration:** 5 months (on going)

**Start Year:** 2023

## OUR CLIENT

Società Siciliana  
**Gas Criogenici**

## OUR ACTIVITIES

- Process: Study for the regulation of the nitrogen stream pressure from existing ASU to the new liquefaction system, PFDs, P&IDs, C&E Matrix, line and instrument list, tankers loading/unloading sequence description
- Piping: plant general layout update, 3D model (with CADWorx), new production line lay out, isometrics, stress analysis, material take over (piping, support, insulation)
- Structure: construction design of the new metallic structure, material take over
- Instrumentation: Instrumentation DS, I/O List, Hook Up, wiring system, instrumentation lay out, cable routing, material take over, I/O list, control system architectural specification
- Electrical: electrical load list, one line diagram plant update, cable routing, cable list, electrical hook up, electrical cabinet specification, material take over;

## GEOGRAPHICAL AREA

Italy



## KEY WORDS

- New Production Plant
- Multidisciplinary engineering
- CAD Worx 3D

## ENGINEERING PHASE and AREA



Basic design



Technical Gas  
Plant