



## PROJECT DESCRIPTION

The purpose of project is the detail engineering activities for the installation of a new Grey Hydrogen Production Plant (Steam Reformer). Moreover the activities involved: intervention on the storage area and tanker loading / unloading bays, realization of the required utilities systems (well water, demi water, cooling water, natura gas, compressed air)

## PROJECT FEATURES

**Manhours:** 1.100

**Duration:** 3 months (ongoing)

**Start Year:** 2023

## OUR CLIENT



## OUR ACTIVITIES

- Process: PFDs, P&IDs, utilities consumption, effluent list C&E Matrix, line and instrument list, tankers loading/unloading sequence description, Hazardous Area Classification
- 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
- CAESAR II

## ENGINEERING PHASE and AREA



Detail design

H<sub>2</sub>

Technical Gas Plant