RISK MANAGEMENT FOR GREEN HYDROGEN PROJECTS

WUNSIEDEL ENERGY PARK, GERMANY

PROJECT OWNER: WUN H2 (Siemens, Rießner-Gase, SWW)

TIMEFRAME: 2021

KEY PROJECT DATA: 8.5 MW electrolyser (PV and wind as renewable power sources) producing 1,350 tonnes of green hydrogen annually, incl. H2-Cooler, LP/HP-storage, LP/HP compressors, truck filling station

SCOPE OF SERVICES: Leading HAZOP of all BOP systems including tie-in to upstream electrolyser (Siemens Silyzer 300) and downstream truck filling station

HYLOAD PROJECT, GERMANY

PROJECT OWNER: Shell Rheinland

TIMEFRAME: 2022-2023

KEY PROJECT DATA: Phase 1: 10 MW electrolyser (PV and wind as renewable power sources) producing 1,300 tonnes of green hydrogen annually, incl. HP compressors and storage, truck filling station comprising three loading bays (380/300 barg), 4 tonnes per day capacity

SCOPE OF SERVICES: Leading Risk Studies including HAZID, HAZOP and SIL/LOPA Analysis of complete H2 compression, storage and truck loading system, including interface to upstream Refhyne Project (PEM electrolyser)