

**EUR21_01 - FIRST OIL & GAS APPLICATION OF A HYBRID POWER PLANT INTEGRATING:
SOLAR PV - ENERGY STORAGE – CONVENTIONAL POWER GENERATION (GTG)**

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Abstract - A hybrid Power Plant solution integrating Solar PV, Energy Storage and conventional Power generation (i.e. Gas Turbine Generators) is applied for the first time to an Oil&Gas facility. An existing Oil&Gas Plant fed solely by conventional power generation is being upgraded with the installation of Solar Power Generation and Battery Energy Storage. The integration of these new systems has allowed the Operator to obtain gas savings and reduction in CO₂ emissions. This paper provides insights into the project presenting the technical challenges and selection process that have been followed during project development and a technical overview of the configuration selected.