

GEIE SAIPEM (S.p.A) / BOUYGUES OFFSHORE (renamed SAIPEM S.A.) Selects RSI for Simulation Studies and Engineering Simulator Software

SAIPEM (S.p.A) / Bouygues Offshore (GEIE) has selected RSI (Grenoble, France) to provide Dynamic Simulation Study, and Engineering Simulator for the Rhourde Oulad Djemma (ROD) Integrated Project in Algeria.

GEIE SAIPEM (S.p.A) / Bouygues Offshore is the Engineering, Procurement and Construction Company of the ROD Integrated Project which is including five fields: ROD, SFNE, BSF, RDB and RERN located in blocks 401a and 402a in the Berkine Basin region of Algeria. The development of the ROD Integrated Project is operated by a joint entity comprising the state oil company SONATRACH, BHP BILLITON PETROLEUM PTY. LTD and AGIP ALGERIA EXPLORATION B.V.

The innovative aspect of this project is the use and development of dynamic simulation in parallel with design activities to assist, check and validate the detailed design of the offsites and plant facilities.

RSI's expert team will be incorporated to GEIE Saipem (S.p.A) / BOUYGUES OFFSHORE' project team located in SAIPEM S.A. offices in Saint Quentin en Yvelines (near Paris, France), to lead operational cases studies and ensure efficient communication and synergy.

The cases studies will be operable in steady-state mode to verify that the detailed design results can be achieved and closely match the Heat and Material Balances; and dynamic mode of operation to evaluate performance under various operating and upset conditions as well as examine operability limits and control systems behaviour.

The Engineering Simulator will allow to investigate plant operation issues and solutions, develop and assess operating strategy, anticipate and optimise the process behaviour.

The multiphase flow in the production lines will be simulated using OLGA 2000 from SCANDPOWER (Kjeller, Norway) Dynamic Multiphase Flow Simulation code in the INDISS package for the implementation of the Sea-lines simulation.

The software environment for the project will utilise RSI's INDISS (INDustrial Integrated Simulation Software). INDISS is RSI's unifying P.C. based software environment for process solution featuring: steady state and dynamic simulation, rigorous thermodynamic and physical properties.

Scandpower A/S is a privately owned international consultancy company. Scandpower provides technical and managerial services to the petroleum industry, telecommunications and industries in general.

RSI, a subsidiary company of IFP, is a leading supplier of training systems and simulation software for the global HPI industry. RSI develops and markets software tools which provide consistent modelling solutions throughout the life cycle of process plants.

RSI

Dynamic Simulation & Advanced Process Control Technologies

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