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News

Innovation and Industry

Responsible oil and gas

Enhanced oil recovery (EOR)



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Together, **SUEZ** and **The EOR Alliance** can propose complete Enhanced Oil Recovery solutions and **end-to-end turnkey services** to maximize yields.

Collaboration builds on the expertise of the **EOR Alliance**, a global leader in reservoir modeling, economic feasibility studies, pilot project development, and chemical optimization of Enhanced Oil Recovery projects.

SUEZ will leverage experience as engineers and technology providers for produced fluids and water treatment, as well as service providers for field chemical management services.

SUEZ has extended its 2016 cooperation agreement with the [EOR Alliance](#) to serve the growing demand for Enhanced Oil Recovery (EOR), which uses advanced extraction techniques to increase yields.

Oil is a finite resource facing [growing demand beyond 2040](#). With production from mature fields rapidly declining, EOR will be a critical technology to support global energy security.

Conventional recovery methods in oil fields leave 60 to 80 percent of the oil in the reservoir. Extending the recovery factor requires deep understanding of the geology, physics, and chemistry of the reservoir, the interactions with the water and chemicals to be injected, and the way to treat the produced fluids. The collaboration between SUEZ and the **EOR Alliance** creates a one-stop shop with capabilities that can shepherd a project from beginning to end.

The three partners of the **EOR Alliance**, **IFP Energies nouvelles**, **Solvay** and **Beicip-Franlab** provide complete coverage of the chain through an integrated chemical EOR offer, from formulation development to field application and monitoring: pre-feasibility analysis, laboratory design, pilot design, pilot execution and field-scale deployment. SUEZ brings extensive water and produced fluids process knowledge and a broad portfolio of technologies, engineering, equipment manufacturing and field chemical services capabilities to the initiative.

«The success of the EOR Alliance is down to the cutting-edge technical and scientific expertise of the three partners involved, the highly innovative nature of our laboratory facilities, and our extensive international experience. We have built a leadership position in integrated EOR projects, with a track record of taking complex projects from concept to field trials with NOCs and Independents globally,» said Mikel Morvan, Technical Director for the EOR Alliance.

«SUEZ brings a unique combination of equipment and field chemical expertise, which makes us an ideal partner to help our clients overcome the many operational challenges of EOR large-scale implementation. The partnership will allow the EOR Alliance to reach a large segment of clients that can directly benefit from its technology offering,» said Kevin Cassidy, executive vice president for SUEZ – Water Technologies & Solutions.

The agreement is an extension and deepening of a previous collaboration agreement in place since 2016. The extension will address the increasing demand for comprehensive EOR consulting services, field pilots, and full field deployments.

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About SUEZ

With 90,000 people on the five continents, SUEZ is a world leader in smart and sustainable resource management. We provide water and waste management solutions that enable cities and industries to optimize their resource management and strengthen their environmental and economic performances, in line with regulatory standards. To meet increasing demands to overcome resource quality and scarcity challenges, SUEZ is fully engaged in the resource revolution. With the full potential of digital technologies and innovative solutions, the Group recovers 17 million tons of waste a year, produces 3.9 million tons of secondary raw materials and 7 TWh of local renewable energy. It also secures water resources, delivering wastewater treatment services to 58 million people and reusing 882 million m3 of wastewater. SUEZ generated total revenues of 17.3 billion euros in 2018.

About the EOR Alliance

Created in 2010 by three companies leaders in their respective domains: IFP Energies nouvelles, [Solvay](#) and [Beicip-Franlab](#), The EOR Alliance combines the expertise of EOR providers around the world, encompassing all EOR technologies from chemical to thermal. It proposes innovative techniques through a fully integrated workflow from laboratory feasibility studies, pilot and full field optimization up to production risk assessment, with high-performance services on water cycle management. In recent years, The [EOR Alliance](#) has established partnerships with more than 35 operators on every continent.

<http://www.eor-alliance.com>

SUEZ and the EOR Alliance to build a partnership to pump new life into ageing oil fields
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