

Pemex E&P is a world class company based on both innovation and technological implementation in all its processes. It works with the main purpose of maximizing the profitability of the exploitation of its oil fields. Under the current low prices market, the goal is to assimilate and apply technologies in order to achieve the following objectives: recovery factor increment, operational and maintenance costs reduction, and investments optimization.

The technological implementation process in Pemex E&P involves all the operational and supporting areas, which are aligned to the annual investment program of the company.

Some of the technological challenges in Pemex E&P are: the optimal exploitation of unconventional and turbiditic deposits, heavy oil of offshore fields with high levels of H₂S and CO₂, and to increase the recovery factor of mature fields which represents the 60% of the total oil production. On the other hand, the implementation of enhanced oil recovery projects for water and gas-invaded zones in naturally fractured reservoirs is focusing on the application of technologies such as smart waters, double displacement, foam injection, and in-situ combustion.

Finally, with the new premises of the Mexican Energy Reform, the strategy of Pemex E&P is to focus on the association with worldwide technological leaders by farmout agreements, in order to ensure the best internal rate of return and reducing the learning curve of the technological implementation.