

Francesca Zarri - Abstract

Title: "Engineering and Technologies opportunities: keys for transition in oil and gas sectors"

Engineering and technologies opportunities enable the O&G sector to lead the industry transformation through energy transition.

While the O&G industry has historically been associated with GHG emissions and environmental concerns, it is a primary player and possesses unique and diversified capabilities and resources that are essential for a successful energy transition, by making innovation and continuous improvement, rooted in the rigor of engineering, its distinctive features.

The industry has significant expertise in large-scale project management and risk assessment. These skills can be leveraged to accelerate innovation, sustainability and energy technologies' deployment.

Technologies allow to diversify the solutions to decarbonize traditional sources and to generate new forms of clean and breakthrough energy, also considering contextual industrial and economic peculiarities.

Moreover, engineering the innovation process allow the O&G sector to range in non-standard designs, with innovative design approaches.

In facing energy transition challenges and requirements, we need to evolve approaches, both to quickly transform our consolidated production models into new ones and to achieve decarbonization targets.