

The image shows two offshore oil and gas rigs in the ocean at sunset. The rig in the foreground is a large, complex structure with a tall derrick and several cranes. The rig in the background is smaller and also features a derrick and cranes. The sky is a mix of orange, yellow, and blue, and the water is dark with some ripples. The text is overlaid on the image in a white, italicized font.

*Rethinking the use of oil and gas rigs
and
new multifunctional offshore
platforms*

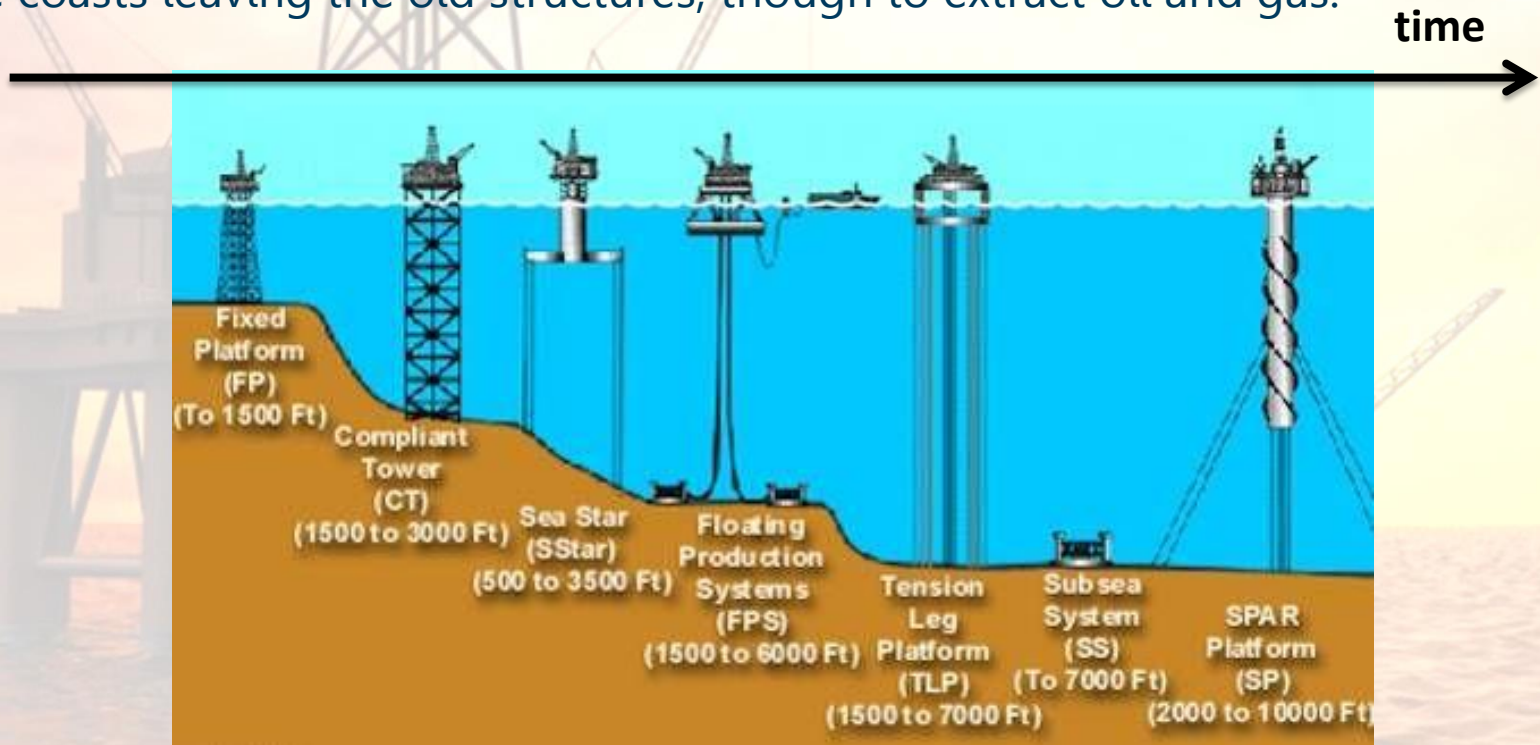
Challenge owners → SAFM & Politecnico di Torino + ENI, ENEL, Oil&gas groups

The past and the current situation

When the human being started to use the hydrocarbons as source of energy (oil and gas) it moved progressively from LAND (onshore) to SEA(offshore).

The richest source were discovered under the seabed and OFFSHORE Engineering was born.

Progressively, exhausting reservoirs, it was necessary to move far away from the coasts leaving the old structures, though to extract oil and gas.



Today's open questions

- What will happen to the old offshore structures (rigs) in the next future? Can we exploit them in another way, even reducing the risk of possible negative impact on the environment?
- Is there a different way to think about the offshore structures of the future...with the **chance to integrate** in a unique way different possible utilization?
- Rethinking these structures...in which way we can avoid (or reduce) the **environmental impact**?

A global challenge



Rethinking...



...new multifunctional uses...

... involving big groups



A photograph of an offshore oil rig at sunset. The rig is silhouetted against a bright, orange and yellow sky. The rig has a tall derrick and several cranes. The ocean is visible in the foreground, and another smaller rig is visible in the distance to the right.

Thanks for your attention