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MODULAR PLATFORMS FOR EARLY PRODUCTION / FULL FIELD APPLICATIONS

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Previous works have shown that the use of floating modular platforms (FMP) can represent a valid approach to the development of human activities at sea, near and off shore, both in civil/residential or industrial applications.

In particular, FMP technology provides a solution that allows the development of offshore fields in sequential stages. This will allow a shortening of the time for the First Oil, reducing the initial investment and starting to produce positive cash flow from the beginning.

During the Early Production phase are furthermore gathered more information on the field that will allow a more accurate and precise planning of the Full Field development by reducing the risks to the oil companies. In addition, modularity of the solution allows a sequential implementation of the system in accordance with the field development, and a potential reuse and relocation of the facilities at the end of the field.

This paper presents the results of a prefeasibility study jointly developed by Fincantieri and eni with the scope of evaluating, as alternative to conventional FPSO concepts, an innovative flexible solution based on several modules connected together to compose an Early Production platform expandable into a Full Field configuration at a later stage.

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