

## **NEW GENERATION OF PLATFORM HULL FORM TO OPERATE IN BRAZILIAN WATERS**

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*Abstract. The next challenge of the PETROBRAS is to produce oil in the ultra deep water (more than 1500m) of Brazilian Basins, especially in Campos Basin. In this environmental condition there are several design constrains that not considered in the deep water production systems associated to the high oil density of the Campos Basin that required a large process plant. In the ultra deep water, there are some restrictions of the use of the flexible risers and PETROBRAS is going to use SCR (Steel Catenary Risers) for production & exportation flow lines. Another great challenge is the building process of the almost all production system, including the hull, in the Brazilian territory that is the new federal policy. From these design conditions, PETROBRAS started to investigate the feasibility studies of several conceptions of the production units fitted to operate and build in the Brazilian territory*