

## **KEY TOPICS ON RISER SYSTEMS OF DEEPWATER DEVELOPMENTS**

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*Abstract. The Lecture will cover the whole engineering cycle of a riser system for deepwater production facilities. The riser system selection is part of the conceptual engineering phase and will be emphasized, as it will impact the field development strategy.*

*Driving interfaces of the riser system with the subsea and topside systems will be shown together with examples of typical systems for the three main deepwater areas, namely Brazil - Campos Basin, Gulf of Mexico and West Africa. Important aspects of riser detailing engineering for flexible risers, steel catenary risers (SCRs) and riser towers will also be addressed. Finally, construction and installation topics will be included.*

*Keywords. risers, deepwater, engineering.*