Modeling and Characterization of Novel Deepwater Marine Risers



Amaechi Chiemela Victor¹

2nd Year PhD Student – Engineering Department

Supervisor: Prof. Jiangiao Ye

¹Email: *c.amaechi@Lancaster.ac.uk*



Motivation

- Different types and sizes of pipes are used, ulletlike the drill pipes, risers and the horizontal pipes. The dimensions can be about 76cm (30") as they are large capacity pipelines.
- The history of oil exploration dates to 1891 when the first oil well was drilled at Grand Lake St Mary's, Ohio.
- In 2003 in Gulf of Mexico, only 35% of production was from wells at depths of >300m. By 2015, that figure was 95%.



History on Offshore Deepwaters



Installation Year of Platform

Orcaflex Design

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