



Offshore Engineering Society

Pipeline Reeling



Wednesday 4th October 2017, 6pm

Institution of Civil Engineers

One Great George Street | London | SW1P 3AA

Speaker: Soheil Manouchehri (Subsea 7)

Reeling is a fast, reliable and cost effective method for installing subsea pipeline (flowline) systems up to 20-inch in diameter. The individual pipe joints are lined up and welded together onshore to make long stalks of pipes before being spooled onto the large reels of reel lay vessels. On arrival in the field offshore, it is spooled off, straightened and laid on the seabed much faster than conventional S-lay or J-lay pipelaying methods.

The ability to carry out the fabrication and welding onshore, off-line from the vessel critical path, allows much greater flexibility in schedule, ease in management of changes and high quality welding / coating to be achieved.

Over the last few years, it is evident that the engineering fundamentals and cost effectiveness of the reeling process are well understood within different sectors of the offshore industry as all major pipelaying Contractors own a reel lay vessel. The missing part of the puzzle, however, is the implications and practical aspects of the reeling process when it comes to project execution.

This presentation will review the engineering fundamentals of the reeling process first and then discusses the practical aspects and applications of reeling mechanics from fabrication to installation.

Soheil Manouchehri - Consultant Pipeline Engineer, Subsea 7

Dr Soheil Manouchehri is a Consultant Pipeline Engineer currently working with Subsea 7. He has more than 17 years of experience in the subsea pipeline engineering design and installation, working with major installation contractors (Subsea7 and Technip) as well as major design consultancies (KBR and Genesis).

His main areas of interest are HP/HT pipeline design, pipeline reeling, pipe-in-pipe systems and arctic pipelines, among others. He has published a number of papers in the field of subsea pipeline design.

He holds a BSc in Mechanical Engineering, an MSc in Subsea Engineering and a PhD in Civil Engineering (Engineering Mechanics) from Heriot-Watt University (UK). He is a Chartered Engineer since 2006.



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BOOKING INFORMATION

Please note that booking is only required if you wish to attend in person.

<https://www.ice.org.uk/events/pipeline-reeling-london>

If you experience any difficulty booking online, please contact societyevents@ice.org.uk

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