



# North of England Evening Meeting

## Subsea Infrastructure; Introduction & Virtualisation

### Wednesday 20 September 2017

Registration & Refreshments 6.00pm - Presentations 6.30pm  
Newcastle University, Armstrong Building, Room ARMB1.49,  
Newcastle upon Tyne NE1 7RU

#### Registration Fees

SUT Members: £5 Non-Members: £7.50 Student Members: FREE *inclusive of VAT*

*Payment online at [www.sut.org/events](http://www.sut.org/events) or on the door*

#### Introduction to Subsea Infrastructure - **Jerry Baker**, Baker Marine Technology Ltd.



Many in the North of England Branch have extensive knowledge of their own product or service, but do not have a clear picture of where that fits into the overall scope of subsea production. The presentation describes typical subsea infrastructure and its function, and explains why it is the way it is, by looking briefly at its history. It then looks at the range of operational support and intervention required on subsea infrastructure at different stages in the lifecycle. It is intended as the first in an occasional series providing an overview of subsea engineering and operations.

#### SENTIO – Synthetic Environment and Virtualisation Platform - **Mahesh Menon**, Digital Services Manager, Soil Machine Dynamics.

SMD will present their advanced operations visualisation and planning tool. Sentio is a true physics-based platform that enables you to create physical offshore operations in a virtual space.

Once created, the platform enables you to improve your environment's operational safety, identify and mitigate risks and in turn, significantly lower your costs. The environment can be tailor-made to meet your specific requirements at any stage of the operational life cycle, from engineering assessment and training, to mission validation and de-commissioning. This ability eliminates the need for high-cost physical testing and resources.

SMD will present recent case-studies of how pre-emptive engineering has been an integral and highly beneficial part of a subsea project.



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E: [events@sut.org](mailto:events@sut.org)

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SUT, Enterprise Centre, Exploration Drive, Bridge of Don, Aberdeen AB23 8GX

[www.sut.org](http://www.sut.org)