

MORE THAN JUST SIMULATION

SENTIO™ 

Synthetic environment and virtualisation platform



Collaborate. Create. Validate.

Introducing Sentio – the latest innovation from SMD. This highly advanced synthetic environment and virtualisation software platform can optimise and significantly improve the efficiency of your assets, in any offshore environment.

Your goal is to get the job done right the first time. Sentio lets you achieve this by giving you the power to virtualise an operations environment across the full ocean engineering value chain, from topside to subsea. Once created, the environment enables you to improve your 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, to training, to mission validation and de-commissioning. This ability eliminates the need for high-cost physical testing and resources.

The speed at which Sentio lets you create models and environments gives you the capability to produce an unlimited number of virtual scenarios, each offering reliable insights into how your real-world operations will play out.

What it means to **your operations.**

From challenging geographical areas, to deeper waters or dynamic working environments, whatever your operations are, Sentio gives you the clarity to see and understand exactly how every element of your operation works, and how they are connected. This can be as complex as necessary, for example, installing new engineered products for the first time in an offshore platform requiring ROV and vessel operations.

By giving you the ability to rehearse, train and validate your missions – all at low risk and low cost – Sentio generates a unique and invaluable insight into your operations. This enhanced perspective means you are able to make highly informed decisions, ensuring your operations are safe, reliable and fully optimised.

The benefits.

- Significantly improves safety and mitigates risk
- Reduces operational expense and costly mistakes
- Build virtual environments quickly and easily
- Insight into how your operations behave and how they are linked
- Ensures equipment design meets operational requirements
- Realistic, real-world operation
- Simulate interactions on full value chain – from topside to subsea.

If you'd like to talk about how Sentio can improve your operation's efficiency, please contact Mahesh Menon, Digital Services Manager, at [**mahesh.menon@smd.co.uk**](mailto:mahesh.menon@smd.co.uk)



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