

## **Autonomous Underwater Vehicle** "SPICE"

\*Subsea Precise Inspector with Close Eyes

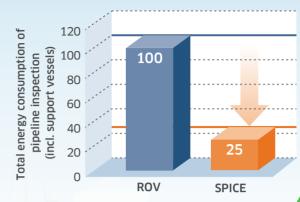


Initial registration: 2021

SPICE is an AUV system consisting of AUV and its docking station for the close range inspection of subsea assets, mainly subsea pipelines.

SPICE contributes to a significant reduction in the energy consumption of subsea pipeline inspection

SPICE's precise maneuverability combined with its unique robot arm reduces fuel consumption of the close subsea pipeline inspection to a quarter to that of conventional ROVs. (ROV: Remotely operated vehicle)



Total energy consumption of ROV as 100

power generatior **SPICE Station AUV Features** ■ Reduction of NOx and SOx emissions from support vessels by reducing the use of offshore Underwater docking for recharging and data transfer enhance inspection operation efficiency and reduces cost requirements ■ Driverless launch and recovery of SPICE using its SPICE Station improves the safety of

## **Product Description**

Capable of autonomously continuous detecting and tracking of subsea pipelines while

- automatically avoids obstacles along the pipeline ■ 10% reduction in weight compared to conventional ROVs
- Inspection of offshore wind power generation facilities such as anchor chains and dynamic cables can be achievable in near future.

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