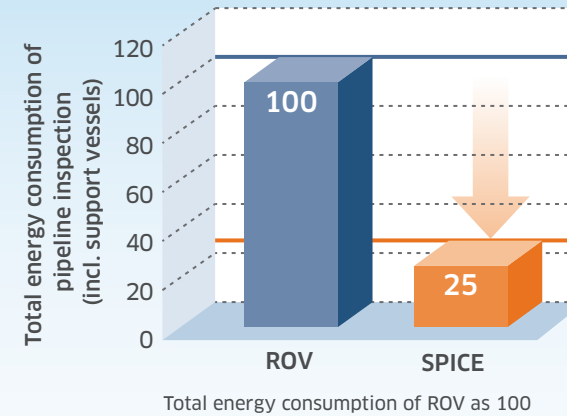


Autonomous Underwater Vehicle "SPICE"

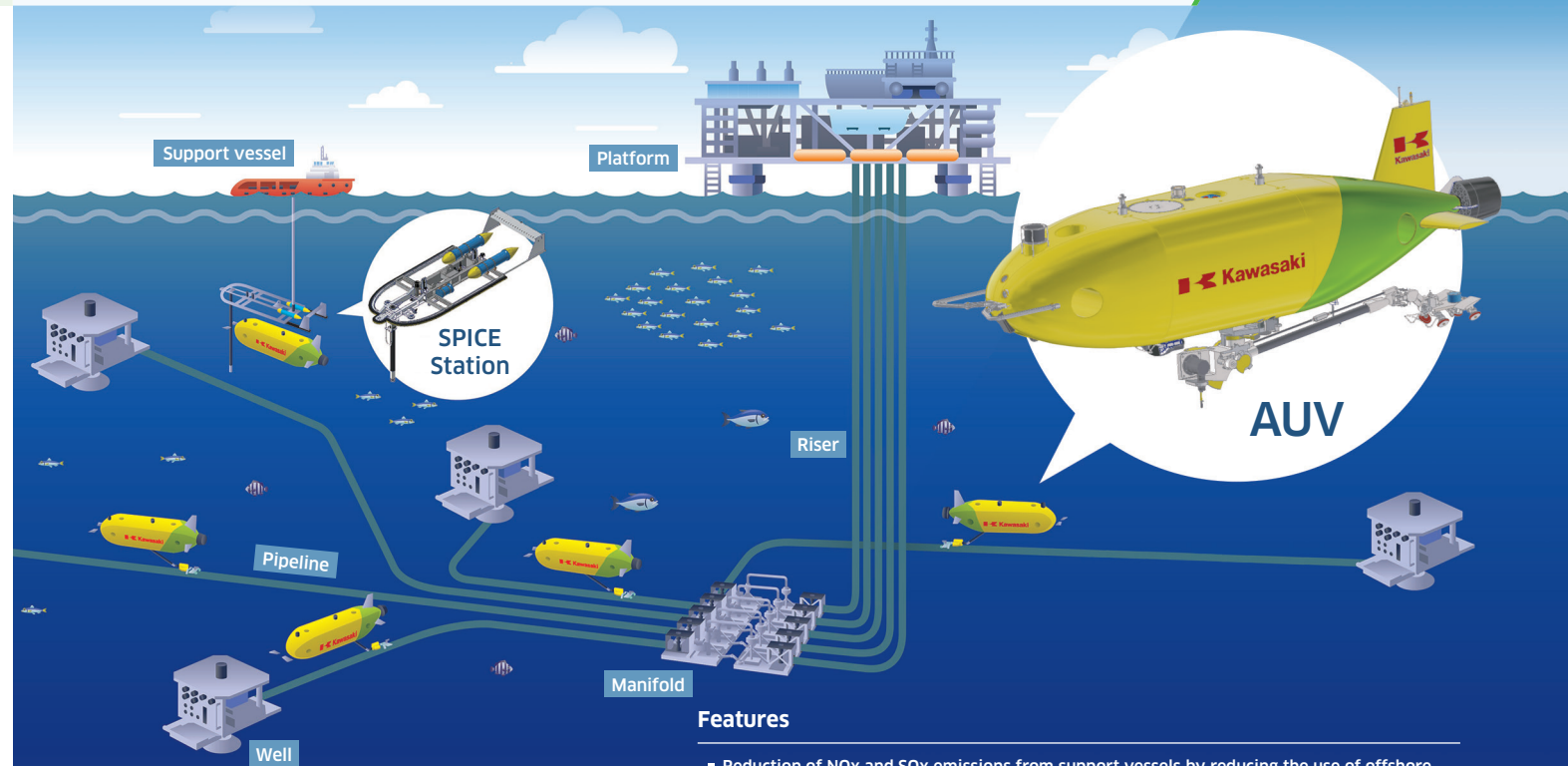
*Subsea Precise Inspector with Close Eyes

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)



2021
Kawasaki
Ecological Frontiers
S class



Product Description

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

Features

- Reduction of NOx and SOx emissions from support vessels by reducing the use of offshore support vessels
- 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 inspection operations
- 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