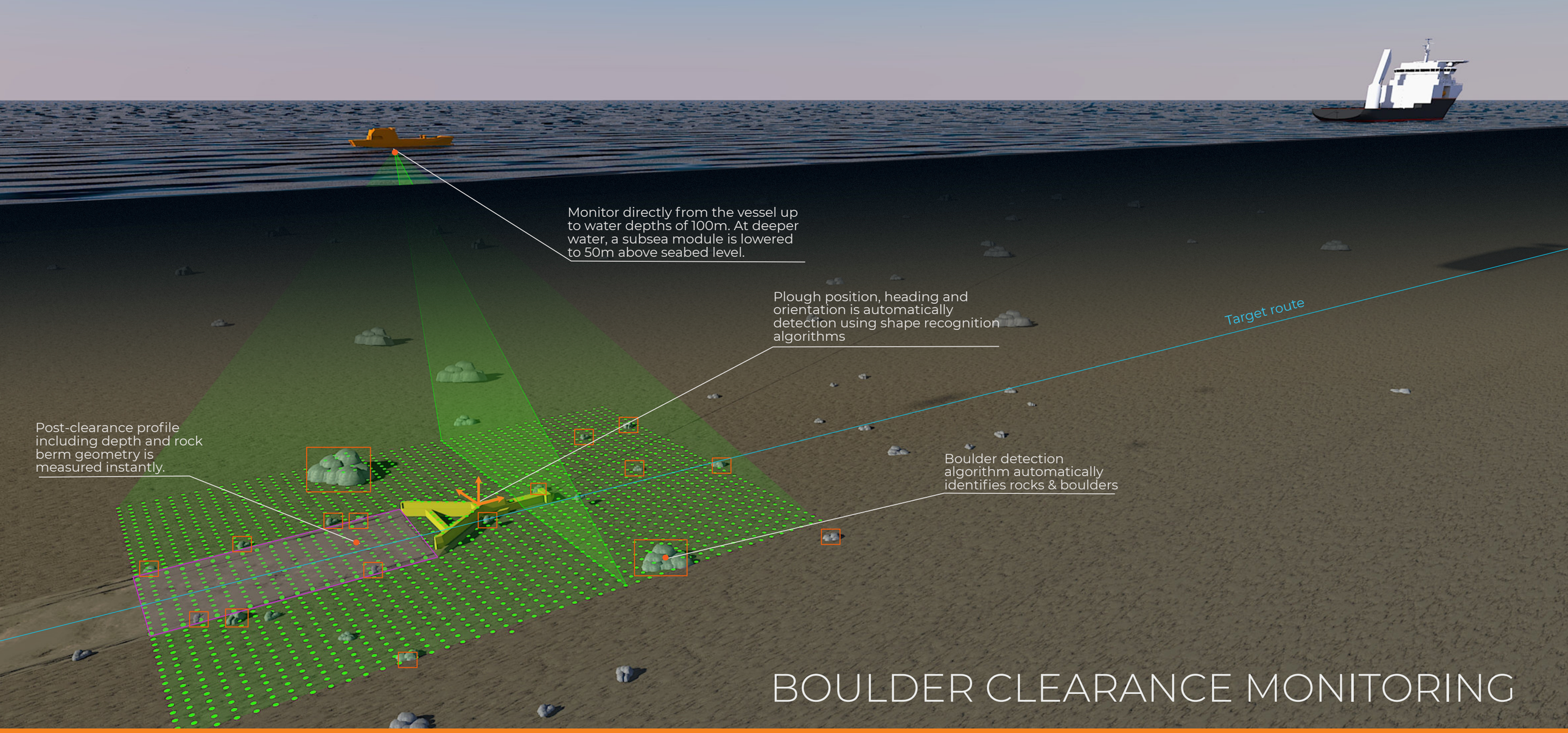

BOULDER CLEARANCE MONITORING

Boulder installation monitoring

OASYS uses acoustic reflections to detect the position, heading and orientation of the plough

The plough coordinates are compared with the target route in order to provide the towing vessel correction values.

Accurate positioning

OASYS uses a 2D multibeam echosounder mounted on a pan-tilt rotator with high-resolution encoders.

The pan-tilt rotator moves the 2D multibeam swath in the third dimension, providing high-resolution 3D scanning capabilities.

Benefits

- Automatic real-time plough tracking
- Faster installation due to instant position verification and comparison with target route
- Instant indication of clearance performance including boulder removal and scouring depth
- Can be deployed from an autonomous survey vessel

Specifications

- Ping frequency: 200-400kHz
- Swath range: 10-160°
- Sonar resolution: 0.45° x 0.9° at 450kHz
- Pan-tilt angular resolution: 0.001°

OASYS
OBJECT

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