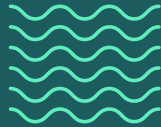


Stingray



Optical sensing technology for seismic monitoring.

Expertise and domain knowledge

- Industrial
- Water
- Monitoring
- Sensors
- Optical sensing
- Software
- Manufacturing





Our client asked:

Stingray approached us when its original partner was struggling to deliver: their challenge was in one technical issue that needed to be resolved and then required their system transferred to manufacture.

The project story:

This project was a spin-out of an optical sensing technology that Stingray was using for seismic monitoring.

We were asked to support this development following our involvement and delivery of a previous couple of small projects helping to investigate potential solutions to a specific technical issue relating to optical sensing.

Stingray had developed a subsea seismic monitoring system with the optical technology using fully passive sensors and therefore being suitable for deep subsea installations: 40,000 sensors spread over many square km of ocean floor, 4km deep, connected permanently to some complex topside equipment. In a big system, this could be 10+ 7 ft high 19-inch racks of kit.

We also undertook re-architecting of the system to make it scalable, developed several new modules and updated others: more high-speed electronics and also optical modules, and did a significant amount of software development.

Contact us

info@sagentiainnovation.com

+44 1223 875200

www.sagentiainnovation.com

Results: deliverables and outcomes

We supported field trials in Norway and the USA and worked with a contract manufacturing partner in Ireland.

The technology was ultimately sold but continues to be developed in China.