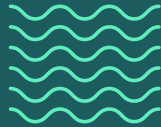


# Stingray



## 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](mailto:info@sagentiainnovation.com)

+44 1223 875200

[www.sagentiainnovation.com](http://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.