



Subsea Template Monitoring

Integrated subsea sensor systems for reliable large-scale template monitoring

We specialize in delivering reliable large-scale subsea template monitoring systems that perform in the most demanding offshore environments. Our team manages every stage of the process, from installing sensors and running cables to completing precise dimensional control on the template. Each system is verified through a bench factory acceptance test and a site acceptance test so we know it will function as intended before operations begin.

At the center of our approach is the Zupt MUX, which seamlessly brings all sensor inputs together into a single system. We combine this with custom software designed to the exact specifications of each template, giving us the flexibility to adapt to unique project requirements. This integration simplifies data handling, reduces risk of failure, and provides operators with real-time, high-accuracy monitoring. The result is a solution that increases confidence and efficiency throughout critical subsea operations.

Our experience in complex sensor integration allows us to deliver these systems end to end. By pairing proven subsea hardware expertise with tailored software solutions, we reduce risk, improve reliability, and ensure template monitoring systems perform exactly as required.

Where subsea hardware and custom software expertise

work seamlessly together

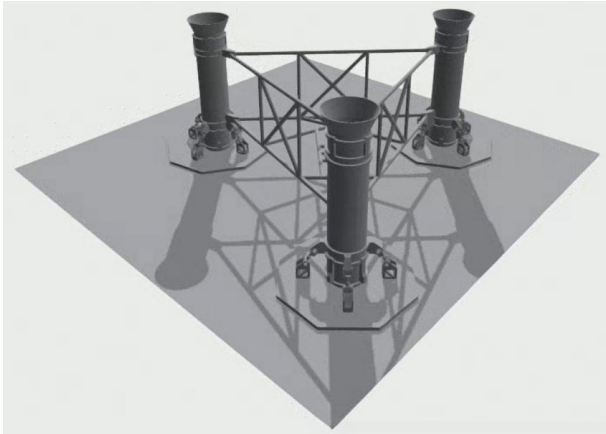


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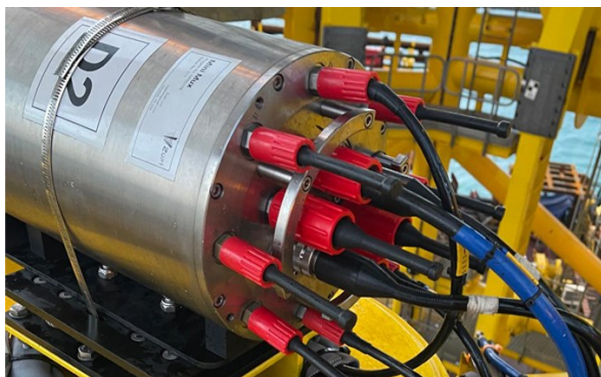
Zupt is a global leader in offshore survey solutions. We develop all core technologies in-house to deliver accurate subsea positioning, modeling, and monitoring for oil and gas, renewables, and marine construction projects worldwide.

Key Template Monitoring System Features:

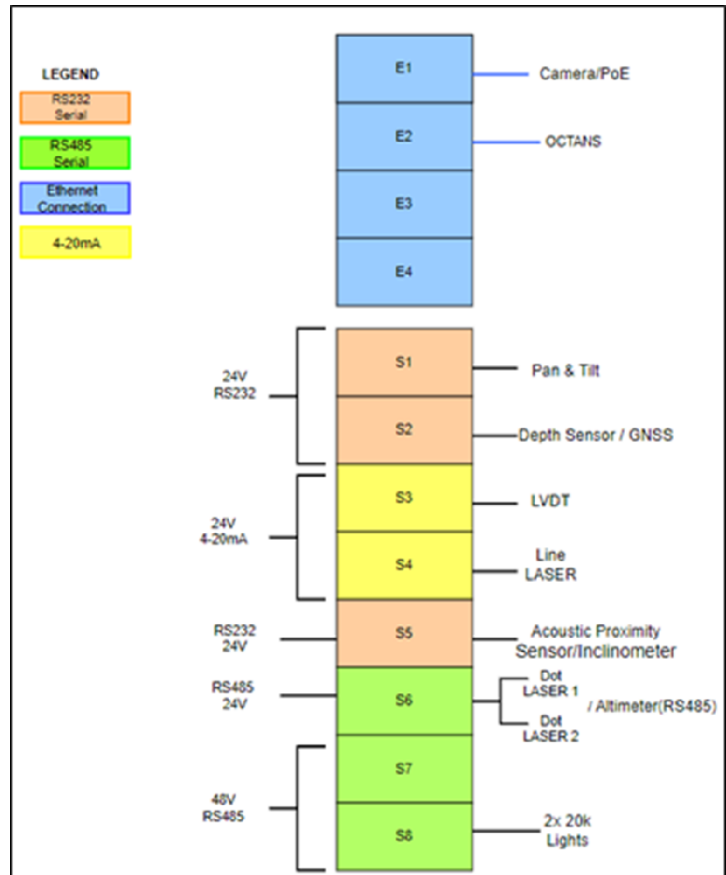
- **Integrated Systems:** Combines multiple sensors into one coordinated monitoring solution.
- **Zupt MUX:** A subsea interface that connects all sensor inputs into a streamlined system.
- **Custom Software:** Developed specifically to meet each project's template requirements.
- **Dimensional Control:** Ensures sensors are precisely positioned and aligned on the template.
- **Full Testing:** Factory and site acceptance tests verify complete system functionality.
- **Real-Time Data:** Provides high-accuracy monitoring throughout subsea operations.



Template



Zupt Mux



Ports Functionality

Zupt MUX Key Features:

- Daisy-chainable design for easy system expansion
- Built-in redundancy with ring topology
- High power capacity for lights and sensors, flexible AC input
- 10 Gbps uplink for real-time high-res monitoring
- Rugged build with titanium housing, corrosion resistance, compact/lightweight
- Plug-and-play compatibility with remote monitoring, ideal for limited ROV space

