SMART Cable
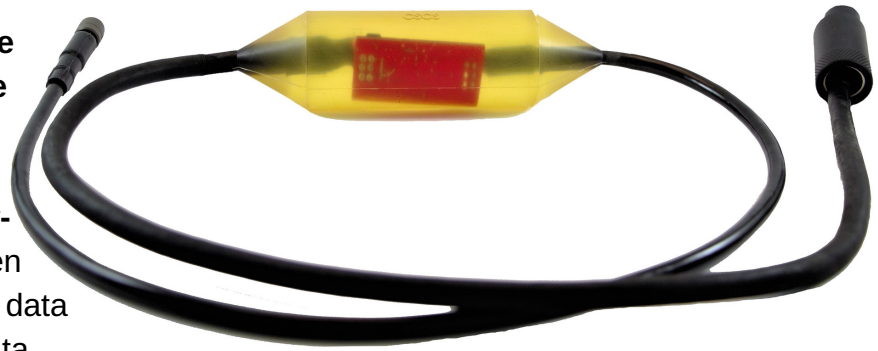

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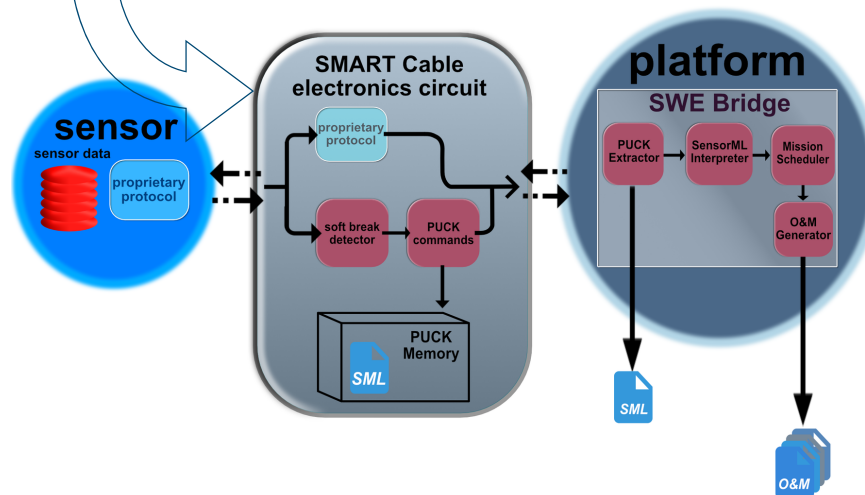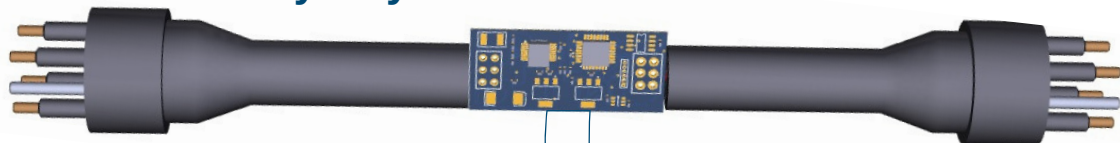Consulting and Services C.S.C.S. Limited

The SMART Cable is a programmable cable assembly intelligently connecting a marine sensor to an observing platform.

This innovative cable consists of an **ultra-low-power electronics circuit** embedded between each end, allowing several functionalities and data processing capacity for input and/or output data.

- ✓ **Makes a sensor "SMART" by adding PUCK functionality**
- ✓ **Re-programmable to add any kind of process on the data entering & exiting the sensor**
- ✓ **Enables automatic plug-and-work integration of new sensor(s) to a platform**
- ✓ **Facilitates visualization service based on Sensor Web Enablement (SWE) standards**
- ✓ **Data & metadata flow in an interoperable fashion**
- ✓ **Minimizes engineering effort**

Joins Nearly Any Sensor & Platform Combination

Basic Onboard Modules

- ✓ 8-bit Microcontroller *
- ✓ Step-up/Step-down Voltage Regulators (5-28V)
- ✓ Flash Memory Unit
- ✓ 16-bit Analog to Digital Converter (ADC)
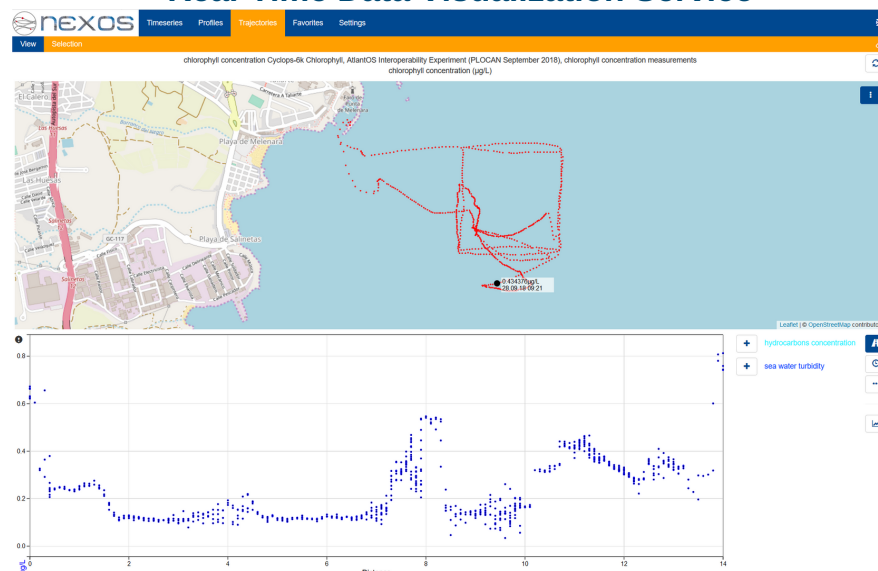 *** possibility to upgrade to more powerful modules**

Optional Modules

- ➕ Real-Time Clock (RTC)
- ➕ Wi-Fi
- ➕ More custom modules upon request

Input / Output Communication Protocols

- ‹···› RS-232
- ‹···› RS-485/422
- ‹···› Ethernet
- ‹···› Analog voltage
- ‹···› 4 - 20 mA current loop

For more information, contact us at info@cyprus-subsea.com

Real-Time Data Visualization Service