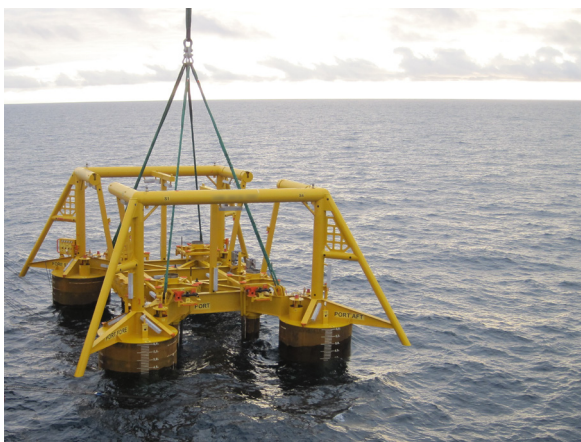


# RTS CUBE SDM

## Structure Heading and Deflection monitoring

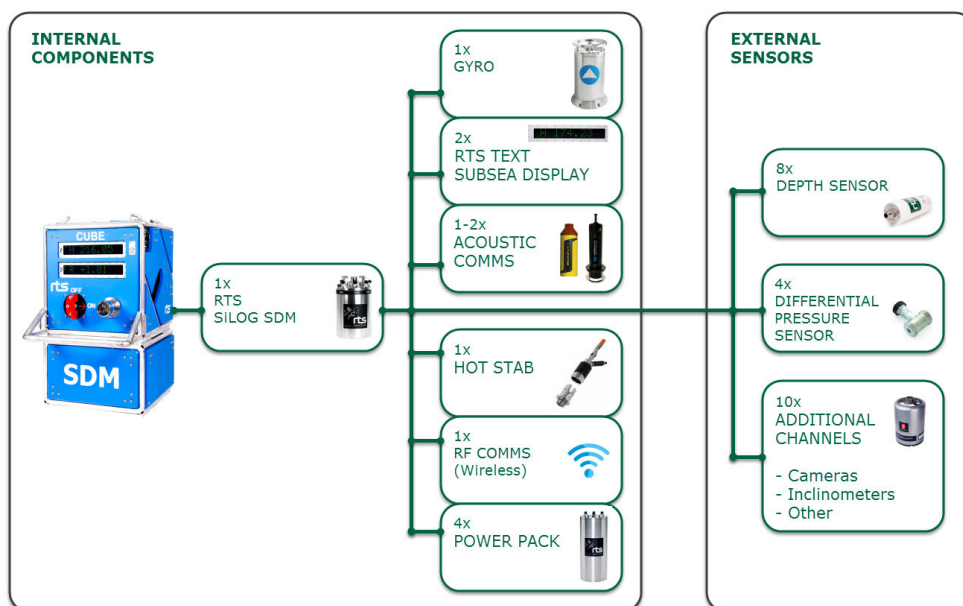
The RTS CUBE SDM is a self-contained monitoring solution for subsea structures. It is used during the deployment and installation phase but can also be utilized for long-term monitoring to ensure structure stability and position. In addition to monitoring heading, deflection and suction can pressure, the system can also provide the user with live video and a number of optional sensors. Based on a proven track record the RTS CUBE SDM is the second generation of SDM systems and offers unparalleled performance and control during critical operations.



## Main features

- Real-time comprehensive structure monitoring
- Software for presentation, control and calibration
- Logging and time-stamping of all sensor data
- Wireless system testing and logging
- Real-time tide compensation
- Robust and compact construction
- ROV connection
- Sensor choice flexibility
- Data output for third party software
- Engineered based on proven track record

## SYSTEM OVERVIEW



## TECHNICAL SPECIFICATION

<b>Subsea Logger RTS SILOG SDM</b>	<ul style="list-style-type: none"> <li>1 x Heading and Attitude sensor. Compatible with all commonly used Gyro compasses and attitude sensors.</li> <li>8 x Depth and pressure sensors. Measuring Depth, tide and height differences.</li> <li>4 x Differential pressure sensors for suction-can pressure monitoring.</li> <li>1 x Modem and/or Transponder. Live communication through ROV-installed acoustic modem or cNODE (HiPAP/APOS).</li> <li>1 x RF switch and Communication. Wireless communication and system setup on deck.</li> <li>1 x Wet-mateable connector (hot stab). Direct connection for online data and power.</li> <li>2 x Subsea display. Direct visual reading of attitude, heading and/or pressure data.</li> <li>10 x Additional RS232/RS485/Ethernet ports available for additional sensors or ethernet cameras.</li> <li>4 x RTS Power Pack battery slots.</li> </ul>
<b>Mechanical</b>	<p>Dimensions.: 55 x 55 x 100 cm</p> <p>Weight: Approx. 260 kg depending on configuration, additional payload 340kg, MGW 600 kg</p>
<b>General</b>	<ul style="list-style-type: none"> <li>• Internal Data logger Data is logged on SD-micro cards. Up to three 32 GB memory cards can be used for contingency. An external memory pod can also be added for redundancy.</li> <li>• Real Time Clock All sensor data is logged with timestamp for accurate timing and synchronized sensor polling.</li> <li>• Extremely low Power Consumption Power monitor for battery and relay control for each external sensor. Optional auto fuses.</li> <li>• Deep Sleep Function Logger can be set to deep sleep for long-term logging. Deep sleep wakeup, on time, on calendar or external sensors input available.</li> <li>• Packed Data Transmission All Acoustic Modem and/or Transponder comms are packed for increased acoustic data transmission using the proprietary RTS Pallando data protocol.</li> <li>• Acoustic Communication Available through Acoustic Modem or HiPAP transceiver (APOS).</li> <li>• Software SDM Studio (GUI) can be run on a standard laptop. Easy setup and offset/C-O programming. All offsets are stored in log file topside and in subsea logger. Application provides data playback, simulator test and data output for external logging and visualization software.</li> </ul>