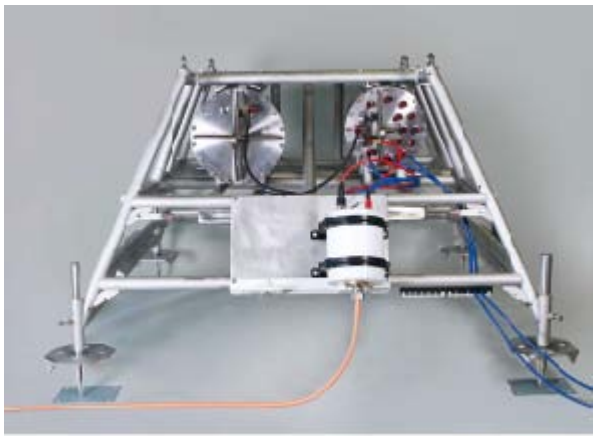
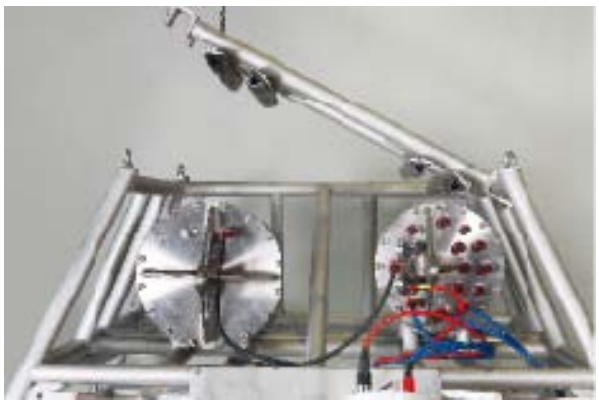
COSYNA Underwater Node*

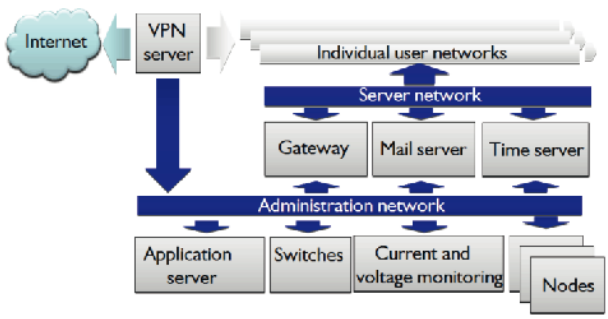
*Developed in cooperation with Helmholtz-Zentrum Geesthacht and Alfred-Wegener-Institut within COSYNA

Features:

- Complete system for long-term underwater operation for a variety of applications
- Interface for networked underwater observatories (RS232/ RS422/ 100BaseT/ 1000BaseT)
- Power supply both from land and battery for small to medium power
- Smart safety concept
- Control and monitoring of all housekeeping data (amperage, voltage, operating temperatures, states)
- Integration of different measuring techniques in central data units
- Customer-specific design of measurement setups
- Flexible and modular operation of various benthic systems
- Access from anywhere via internet
- Each individual sensor can be checked and re-adjusted by remote control from outside (sensor dependent)
- Broadband communication of individual devices or nodes with higher-level systems with high transmission speed up to 100Mbit/s (in case of need even more)
- Time server for time synchronization
- Infrastructure for web based node management
- Land station hosting X virtual PCs for data evaluation on site
- Strict separation of access to the individual sensors is possible
- Possibility for automatic data management
- Underwater pluggable connectors
- Depth rating up to 300m (more on request)
- Freely configurable due to customer's demands







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