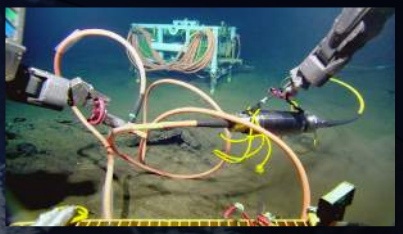
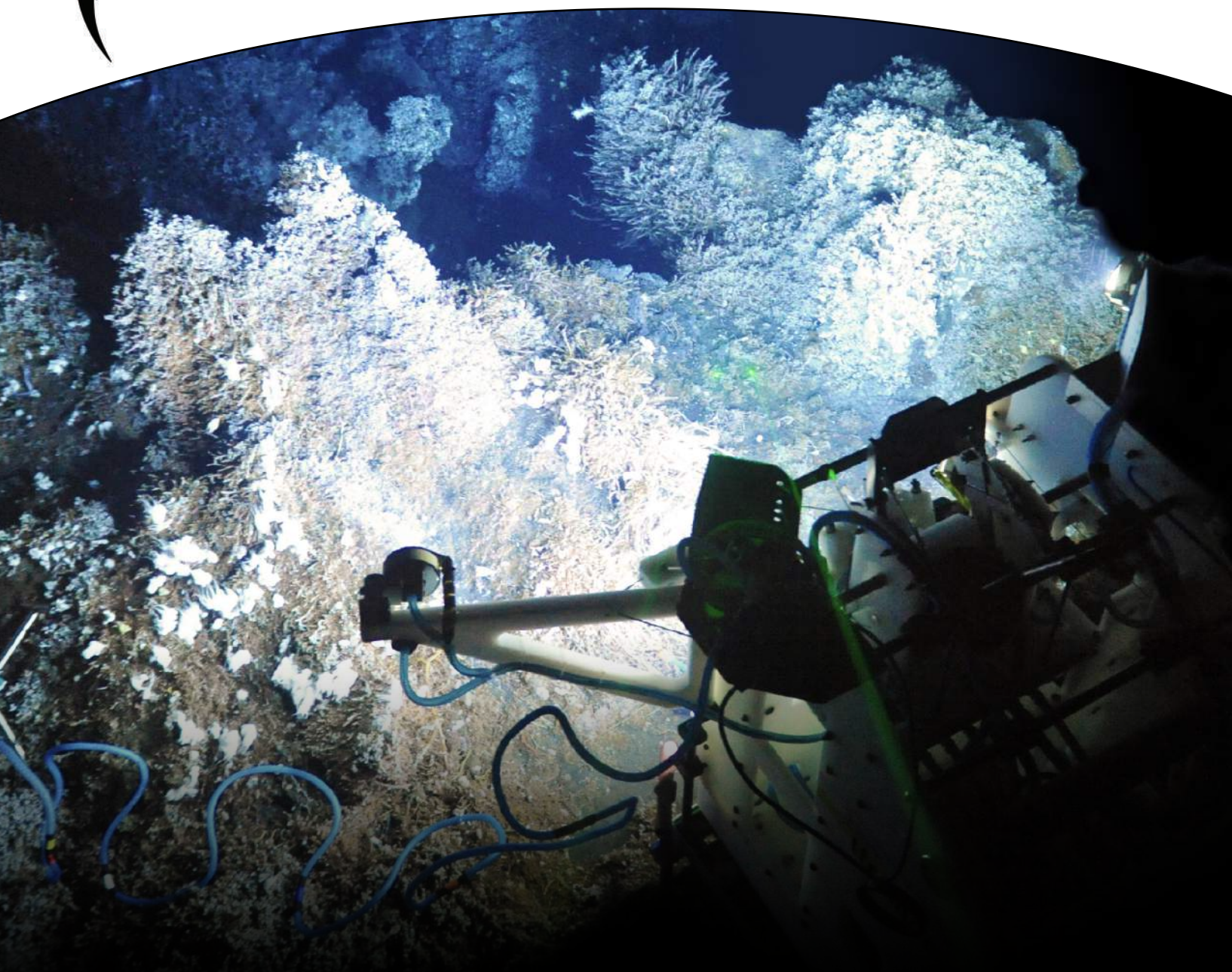





ISS INTERNATIONAL SUBSEA SOLUTIONS



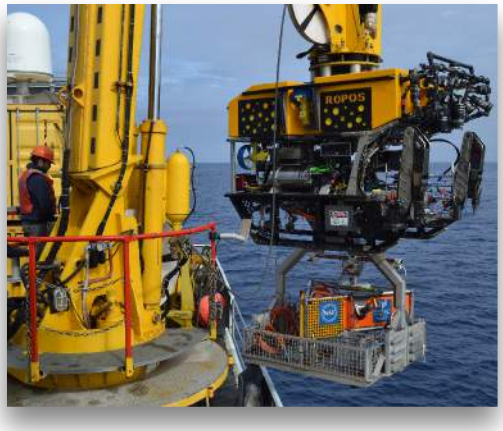
PROVIDING ROV SERVICES & MARINE MISSION PLANNING

INTERNATIONAL SUBSEA SOLUTIONS (ISS) IS AN OREGON-REGISTERED, NOT-FOR-PROFIT CORPORATION BASED IN NEWPORT, OREGON. ISS SPECIALIZES IN SCIENTIFIC REMOTELY OPERATED VEHICLE SERVICES AND ASSISTANCE WITH HIGHLY SPECIALIZED MARINE MISSION PLANNING.

SYSTEM

- ISS represents the world-leading ROPOS Remotely Operated Vehicle (ROV) & its team
- Reliability - ROPOS has set the standard for scientific and commercial ROV intervention
- Experience - Decades of experience in a wide variety of scientific missions world-wide
- Planning - Our mission preparation support maximizes accomplishments with your funding
- Skill - Our experienced operators have a 'can-do' attitude with a focus on problem solving
- Multidisciplinary - Our mature systems increase efficiency by focusing on and supporting multiple goals for each dive, maximizing offshore productivity

- Increased Weather Window - enabled by our Heave Compensation on our Launch and Recovery System (LARS)
- State-of-the-Art - Our technology provides the latest and finest quality equipment & tooling
- Incredible Imagery - Our stunning HD video with a wide field of view is achieved with abundant sources of light
- Project Management - Our effective pre-deployment planning support produces efficient offshore operations
- Highly Portable - Our system is easily transported world-wide and capable of installing on almost any vessel



CABLED OBSERVATORY SPECIALISTS

- Observatory latching system for deployment and recovery of a variety of equipment
- Simple and effective connection to ROPOS
- Capacity to lay a variety of extension cables from node to study site
- Deliver multi-instrumented "Instrument Platforms" to study sites safely and accurately
- Manage cables from the study sites to each individual instrument
- Capability to deliver heavy (4000lb) packages to and from the seafloor
- Minimize downtime and maximize production time by effective Project Management of every operation
- In-situ troubleshooting with the ability to power and optically test equipment on the seafloor via the ROPOS system
- Accurate Acoustic Navigation system with engineered Kalman Filter, LOKI, for repeatable precise navigation

ISS

SCIENCE

- Multi-beam tool skid complete with McCartney NEXUS IV Telemetry bottle, RDI Workhorse DVL, Reson Seabat 7125
- Multi-disciplinary dives including; chemistry, geology, biology, acoustics and physical samples
- Tool basket capable of heavy instrument deployment and recovery along with increasing ROPOS payload
- Core tubes sampling with up to ten samples per dive
- Water sampling of several types, large volume (eg. Niskins) or up to 8x two-litre suction samples
- High Temperature Probes. Four available, one each on inlet & exhaust of suction hose and two independent either rigidly mounted or tethered for manipulator use
- Gastight Samplers, sealed sampling device that maintains all properties of the sampled water chemistry
- Any array of sensors currently available; CO2, EM, transmissometer, dissolved O2, methane, hydrophone, mass spectrometer, etc
- Any selection of hydraulic tooling; guillotine cutter, rotating cutter, rock drill, torque tool, impact wrench, chainsaw, etc.
- Any assortment of instrumentation; Delta T multibeam, Homer locating system, gravimeter, magnetometer, cable tracking systems, laser imager, Hot Vent fluid Sampler, CTDs, etc.

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