Unmanned Solutions
Powered by HYPACK
The Unmanned World- One HYPACK software

Underwater (AUVs)

• Autonomous Underwater Vehicles
• Vehicle tracking, sensor integration, data processing
  EcoMapper, Ocean Server, Bluefin, and more…

Surface (USVs)

• Unmanned Surface Vehicles
• Bathymetric mapping, water quality testing, biological monitoring (algal blooms, bio solids estimation, etc.)
• Platforms we are integrated on: HyCat, Seafloor Systems, Teledyne Z Boat, Sea Robotics, Maritime Robotics, and more..

Airborne (UAVs)

• Unmanned Aerial Vehicles-> NEXUS 800
• Topographic mapping, magnetometers, thermal analysis
Mission Planning/Data Collection with HYPACK

- Support 200+ sensors
- Plan autonomous mission with autopilot or a proprietary navigation system
- Collect data autonomously, real time data visualization
- Report position, attitude, basic system health using standard NMEA outputs
- Offer adaptive surveying tools for dynamic needs
HYCAT data from SRC facility -> SBES soundings overlaid on contours, 3D rendering, SSS mosaic
Data examples.....

Data from HYCAT with bathymetry, contours, temperature, SSS mosaic
UAV LiDAR data

XYZ point cloud with RGB colors, collected and processed with HYPACK UAV LiDAR system
Check out the HYPACK web site for the latest software updates, news, training opportunities and trade show information.