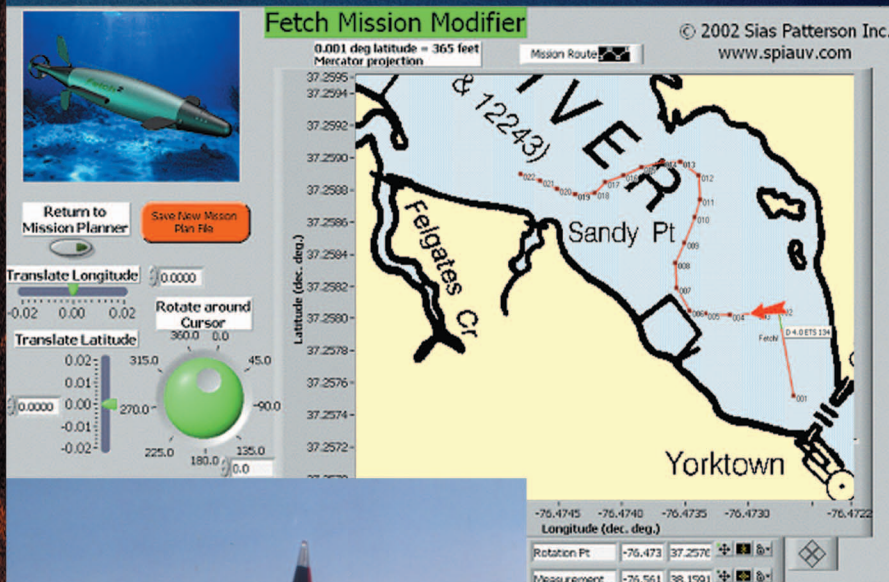


F2 etch

*Autonomous
Underwater Vehicles*

*Hull Inspection
Port and Harbor Security
Environmental Monitoring
Mine Counter Measures*



Clockwise from left:
Ship hull imaged with Marine Sonic
Technology, Ltd side scan sonar.
User interface for Fetch AUV mission planning.
Fetch2 on deck after a mission.



Image
courtesy
of MSTL



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patterson**
incorporated

Optional Navigation Module by





Fetch2 AUV Specifications

U.S. Patented Technology

AUV COMPUTER HARDWARE

Pentium computer with Ethernet
Expandable USB serial port hub
External LCD/Keypad Interface

SOFTWARE

LabVIEW, Windows OS
E-chart mission planning and monitoring

ELECTRICAL SYSTEM

Rechargeable 12 VDC gel cells
Hydrogen adsorber
Filtered DC for sensitive payloads

DRIVE SYSTEM

High output thruster with tachometer
Ringed safety propeller

ON-BOARD SYSTEMS

Optional navigation module by L-3,
Interstate Electronics Corporation
Spread spectrum packet radio and WAAS GPS
Conductivity, temperature, depth sensors
Color video camera, Altimeter
Integrated location pinger with separate battery

HULL FEATURES

Folding antenna tower with strobe
External ports for charging and Ethernet
Folding flexible fins

STANDARD ACCESSORIES

Base station Pentium laptop computer
Base station spread spectrum packet radio
Intelligent battery charger
Lightweight launch/handtruck frame
Molded shipping containers and tool kit

SPECIFICATIONS

Length: 1.96 m (77 in) Weight: 73 kg (160 lbs)
Diameter: 0.29 m (11.5 in)
Max survey speed: 4.5 m/s (9 kn)
Max vehicle speed: over 10 kn
Typical survey speed: 2.5 m/s (5 kn)
Run time: 8-12 hours, speed dependent
Range @ 3.5 m/s (6.8 kts): 92.6 km (50 nm)
Maximum rated depth: 150 m (500 ft)



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