



AMERICAN MUSEUM OF NATURAL HISTORY

# SUIT UP — GOING DOWN!

The latest fashion for a trip to Mars? No, this Exosuit atmospheric diving system (ADS) is actually the newest generation tool for ocean exploration, enabling scientists to study marine life at depths of up to 1,000 feet (305 meters).

**OXYGEN SYSTEMS** allow for multi-hour dives, with up to 50 hours of life support

Powerful **LED LIGHTS**

**MANIPULATORS** act as gripping devices. Custom tools in development will enable the pilot to collect and photograph marine life

The aluminum alloy **SUIT** weighs 530 pounds (240 kg)

Pressure-sensitive **FOOT PADS** enable the pilot to control the thrusters and move forward, backward, left, right, up and down

**FIBER-OPTIC TETHER** provides two-way communication, sends a live video feed to the surface and allows for topside monitoring of pressure and oxygen

**TEARDROP-SHAPED VIEW PORT** allows the pilot to see clearly down to chest level

Four 1.6 horsepower water-jet **THRUSTERS** provide propulsion

The Exosuit opens at the **TORSO**, allowing the pilot to enter and exit

18 patented **ROTARY JOINTS** provide flexibility so the pilot can examine and collect specimens

