INTEGRATED ENTERPRISE
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AKMOBIL SELF-DEPLOYING MULTI-LINE BOTTOM ANTENNA MODULE

Self-Deploying Multi-Line Bottom Antenna (SDMLBA) is designed for maritime seismic exploration and seismic sounding of shelf hydrocarbon deposits under ice. SDMLBA comprises set of modules integrated based on a common platform. Each SDMLBA module is an underwater robot, called Akmobil, designed for automatic deployment/roll-up of seismic cable at the bottom.
Akmobil may also serve for transportation and monitoring of underwater objects.

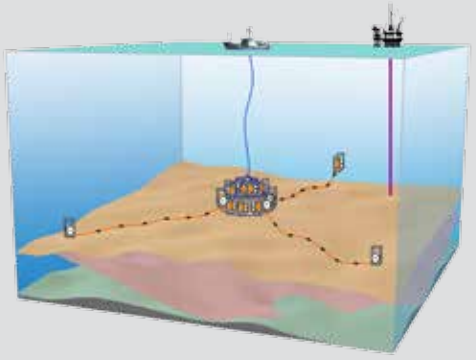
Akmobil module configuration:

- digital seismic cable;
- cable layer;
- vertical and sustainer thrusters;
- ballast system;
- position control system (gyroscope, altimeter, pressure sensor);
- control equipment;
- video camera;
- ultrasonic sonar.

SPECIAL FEATURES

Given technical solutions ensure automatic deployment and roll-up of bottom seismic cable under ice. In comparison with single bottom stations the system significantly increase effectiveness of underwater exploration and seismic sounding of Arctic shelf hydrocarbon deposits under ice.

There are no analogues up to date.



MAIN SPECIFICATIONS

Height	2 m
Length	1.7 m
Width	0.5 m
Weight in air (w/o seismic cable)	200 kg
Seismic cable weight	70 kg
Seismic cable length	500 m
Power consumption	not more than 3 kW
Underwater speed	up to 2 m/s
Operational depth	up to 200 m