



CENTRAL
DESIGN BUREAU
FOR MARINE ENGINEERING



FOUNDATION
FOR ADVANCED RESEARCH
PROJECTS



VITYAZ

**Autonomous Unmanned Underwater Vehicle
for Ultradeep Diving**

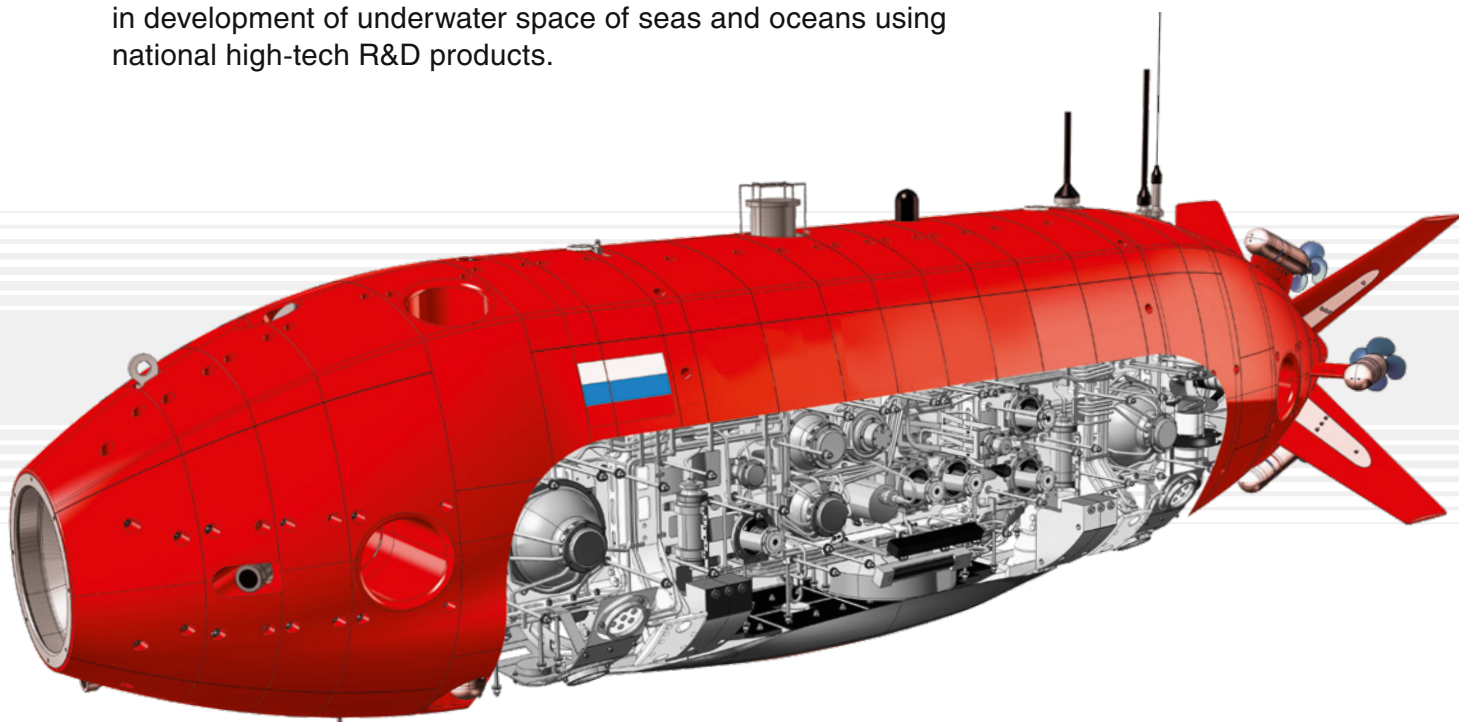


UNITED
SHIPBUILDING
CORPORATION

VITYAZ

Autonomous Unmanned Underwater Vehicle for Ultradeep Diving

AUV "Vityaz" is designed for operations at the ultimate depth of the World's ocean, testing of technology for development of extremal robotics including advanced innovative facilities and popularization of scientific-and-technological advances in development of underwater space of seas and oceans using national high-tech R&D products.



AUV Main Specifications

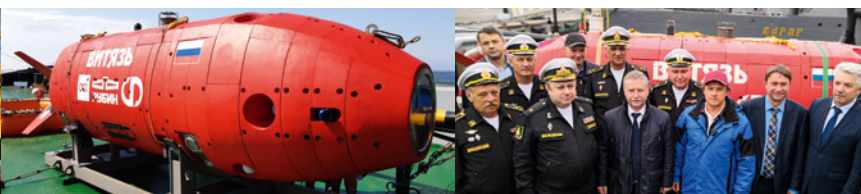
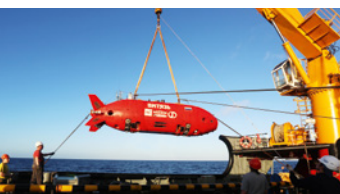
Maximum diving depth — up to 12,000 m
Submerged speed — 1 m/s
Endurance — 24 h
Length — 5.7 m
Diameter — 1.3 m
Weight — 5.7 t

Synthetic Vision System:

- Photo / video cameras — 4 pc
- Two-frequency side-scan sonar — 1 pc
- Echo sounders — 4 pc

Communication Systems:

- Sonar communication
- Satellite communication
- UHF communication
- Wi-Fi channel



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