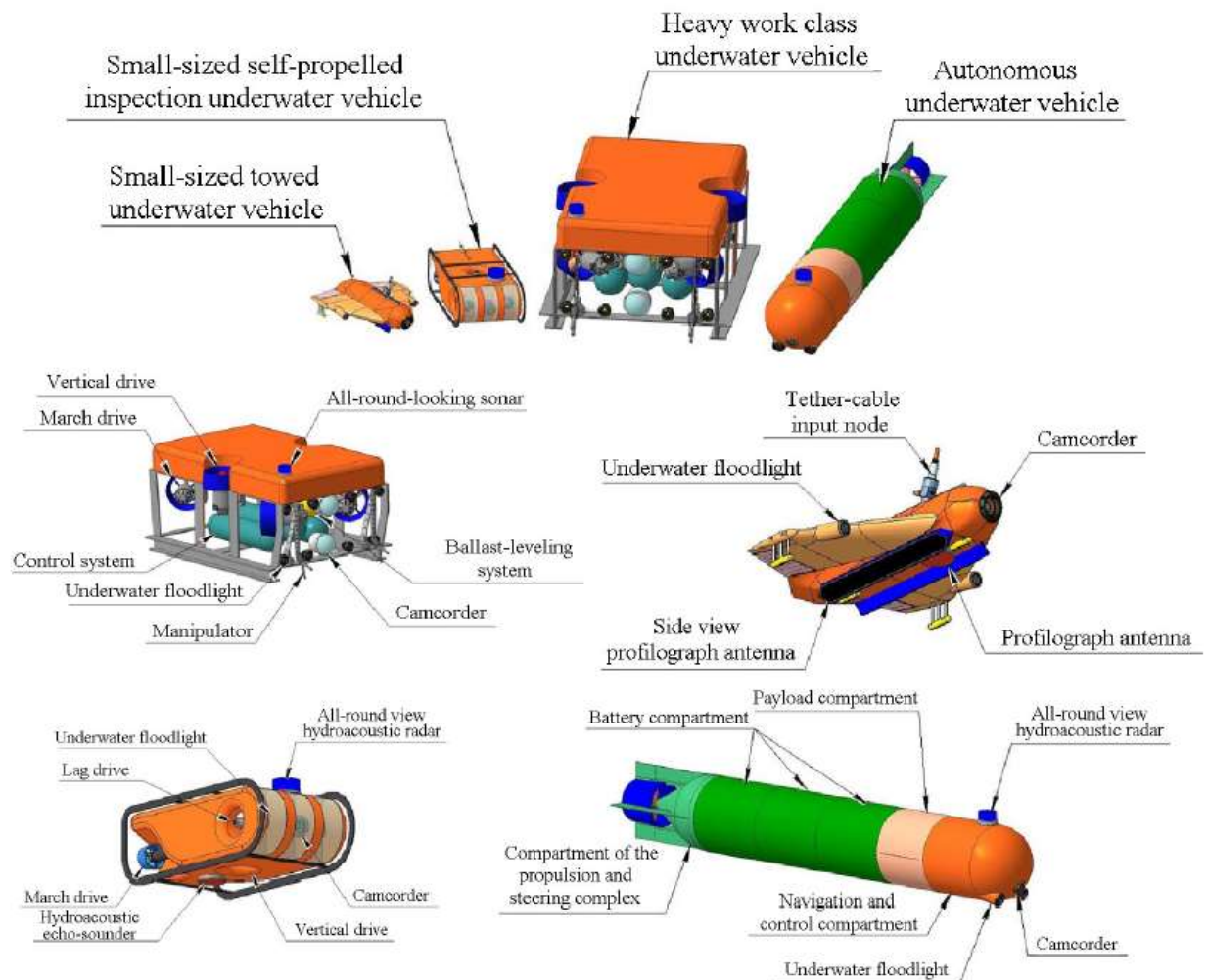


PROJECT: THEORY AND PRACTICE OF CREATION OF MARINE ROBOTICS FOR RESEARCH OF THE BLACK SEA



Project description. The Black Sea is a unique natural formation. The study of the processes of its formation and use in different periods of the development of human civilization is currently an urgent task of oceanology and oceanography, history and archeology, mining and food industry, energy, transport and ecology.

Large amounts of research and production works in the water area and the difficulties of studying the Black Sea due to its great depths stimulate the development of unmanned marine research technologies.

The goal of the project is to create a scientific and technical base for the creation of marine robotics in Ukraine that would meet the modern requirements of maritime practice, to develop scientific and methodological literature on its basis for the training of bachelors, masters and doctors of philosophy. The final result of the work is the creation of operational prototypes of marine robotics for the study of the Black Sea.

The methodological basis of the project is a systematic approach based on the application of "equations of existence" of design solutions and verification of their effectiveness through maritime practice.

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