

# SMALL AIR CUSHION RESEARCH VESSEL

## INNOVATIVE PROJECTS OF OFFSHORE ENGINEERING STRUCTURES



The Krylov Centre has developed conceptual design of air-cushion research vessel being unified amphibious waterborne vehicle for accommodation of containerized laboratories and equipment for geological engineering surveys, geologic-geophysical, biologic, environmental and other studies in the coast/sea zone.

### Particulars of AC research vessel

RMRS Class	КМ★2 CBП
Displacement, t	240
Overall dimensions at pontoon, m	30x8x2
Type and composition of power plant	diesel 4x1850 kW
Speed, kn	16
Quantity/area of laboratories, room/m <sup>2</sup>	1/20+2-3 containerized

### Properties and novelty:

ACRV application will ensure wide variety of scientific studies in hard-to-reach shallow-water areas.

The original technology of flexible skirt / hull structures joint ensuring increased strength, extended service life, reduced material content and labour intensity at assembly and repair by 30–50 % has been developed within the framework of ACRV design. Claim for the invention has been submitted and favourable decision is obtained for the joint developed under this technology.

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