

# SMES – SUPERCONDUCTING ENERGY STORAGE SYSTEMS

V-ACCESS



The EU project V-ACCESS combines the efforts of 14 international partners aiming to bring together expertise on supercapacitors, superconductive magnetic energy storage systems (SMES), design and control of shipboard power systems, power electronics, lifetime cycle analysis, and ship classification to increase the technology readiness level (TRL) of hybrid storage systems – i.e. combining a battery with either supercapacitors, SMES, or both.

The goal is to integrate a superconductive MgB<sub>2</sub> magnetic storage system and supercapacitors into an innovative DC shipboard microgrid to control flexibly the power sharing between the different energy storage technologies.

