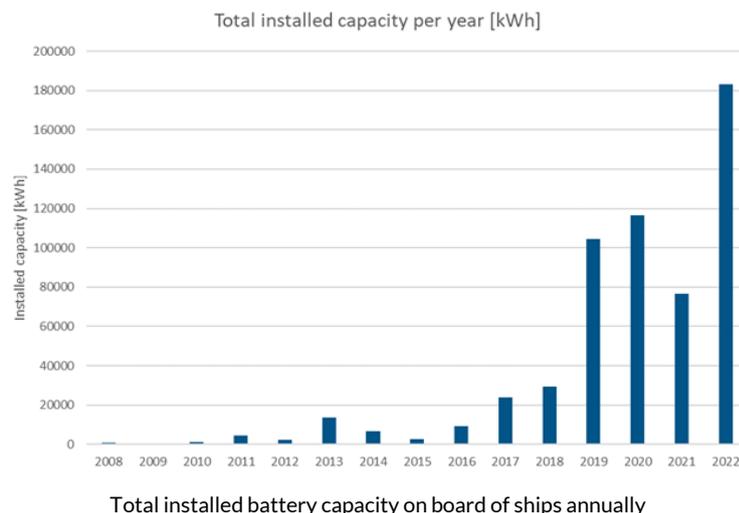


Rotterdam/Berlin,
July 28th, 2022

CharIN e.V. and Maritime Battery Forum have signed a Memorandum of Understanding to jointly promote battery charging standards in the maritime industry

The Charging Interface Initiative (CharIN) e.V. and the Maritime Battery Forum (MBF) have agreed to collaborate with the aim to promote battery charging standards in the maritime industry. The expertise of CharIN regarding charging infrastructure combined with the global network of maritime battery enablers within the MBF will accelerate the adoption of batteries on board of ships with a standard for charging at Megawatt (MW) scale.

There are currently more than 600 ships globally with batteries installed as part of the propulsion system. Although this is only a fraction of the global fleet, the installed battery capacity on board of ships is increasing rapidly. Although 2021 showed a small dip in the installed capacity on board of ships, for 2022 so far at least 180 MWh is predicted to be installed.



Although the majority of ships that use large battery systems for propulsion are ferries, the maritime industry is discovering that batteries can be used for all kinds of vessels. Currently, about 25% of the battery powered ships are only powered by batteries, another 25% are plug-in hybrid, and the remaining 50% are hybrid without the possibility to charge them with a shore based charging



system. With an average installed battery capacity of 1.2 MWh in 2022, and this is expected to increase further, the required charging power for ships is often in the MW range. The Megawatt Charging System (MCS) is expected to accelerate the adoption of MW charging in the maritime sector, increasing the number of plug-in hybrids compared to hybrid ships, which will be a major step in the reduction of emissions in and around ports.

Information about CharIN e.V.

CharIN - Charging Interface Initiative e. V. is a non-profit organization with more than 280 members around the globe and open to any company worldwide being involved in the business around e-mobility. Under the CharIN umbrella, cross-industry stakeholders like automakers, charging station manufacturers, component suppliers, energy providers, grid operators and many others continue moving towards interoperable charging, where vehicles, chargers, and software systems work together to make the user experience reliable, easy and smooth.

More information: www.charin.global

Information about Maritime Battery Forum

The MBF is a non-profit organization promoting batteries in the maritime industry by sharing knowledge and information. The MBF has currently 55 members ranging from maritime battery manufacturers, shipyards, shipowners, integrators, class societies, research institutes, to all other companies who want to be involved in the discussion on how to further develop battery technology in the maritime industry. Through collaboration projects, the members work together on a global understanding of the challenges with batteries on board of ships and set the standard for rules and regulations. The MBF also maintains a Ship Register providing an overview of all battery powered ships around the world.

More information: Maritime Battery Forum



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Press Release