

# Arctic Passion News

## 1 / 2022

### Dear Reader,

This issue of Arctic Passion News highlights important development needs for the future. A commonly agreed industry target is to achieve fossil-free shipping, with the first step being a strong emphasis on reducing emissions.

### In order to minimize environmental impact,

we need to focus on multiple areas, not only fuel selection. Equally important is to lower energy demand. Sustainable and economical use of high value clean energy is essential for every application.

### It is interesting to see

how over the past decades such a development has taken huge steps. We compared icebreakers designed and built in the 1970s with our most modern designs and observed that a 70% reduction in emissions has already been achieved.

Operational efficiency has increased with new hull forms and the application of azimuthing propulsion. But, if fossil-free targets are to be met, they will require fossil-free energy sources. It is not possible to design ships or icebreakers with a zero energy need.

### The future of Arctic development

is changing. Our prediction is that the recent Russian invasion in Ukraine will lead to a decline in Arctic development in Russia. From the environmental aspect this is positive, but unfortunately it slows down investments in technological advancements due to a reduced interest in industrial developments in the Arctic.

Nevertheless, there are other Arctic activities such as research vessels, renewal of icebreaker fleets, and an increasing interest in polar cruises, all of which call for sustainable vessels and development. In this issue, we

have included articles about recent tests in the Antarctic and cruises to the North Pole.

### The horrible situation in Ukraine

touches us all and we at Aker Arctic extend our sympathies for the Ukrainian people.

Russia's military attack on Ukraine is not acceptable, and we as a company must strictly follow all sanctions set for Russian trade. Aker Arctic will not begin any new projects for Russia, and operations in Russia are suspended.

We have had long-term business relations globally within all Arctic stakeholders. Development of Russian Arctic maritime projects are now put on hold and wide trade sanctions are set for ships and some key Russian companies in our business area. This means a significant drawback for Arctic development in Russia but will, on the other hand, likely bring more opportunities in other polar regions.

Our support and contribution to help Ukraine was carried out as Red Cross donations from all of our employees and the company management.

Sincerely yours,  
*Reko-Antti Suojanen*  
Managing Director



✔ We are supporting the aid work of the Finnish Red Cross.

[redcross.fi](http://redcross.fi)

Aker Arctic Technology, its employees and management have donated € 39,000 to the Red Cross for support of the Ukrainian people.