



Surma joins Chilean icebreaker project

Surma, a Finnish company in the defence equipment sector, has signed an agreement with ASMAR shipyard covering electromagnetic compatibility design and management for Chile's Antártica 1 icebreaker.

Surma's CEO **Kristian Tornivaara** says that the modern wireless sensors and communication systems used on-board vessels have a significant impact

on their electromagnetic compatibility (EMC) management. Managing electromagnetic disturbances and ensuring the electromagnetic compatibility of all the various systems are both critical factors in improving the efficiency of the research work that will be carried out by the icebreaker.

"We're very happy to be part of the Antártica 1 team. Chile's new icebreaker will be one of the most advanced vessels built for research in the Antarctic region," says Tornivaara, commenting on the agreement that was announced in early 2019.

Surma will be assisting ASMAR on this multi-year project, and will be heading up the shipyard's EMC/EMI team. **Martti Helamaa**, Surma's Engineering Director, and the entire EMC team are excited at the prospect of participating in such a significant project – one that will advance marine and climate research in the Antarctic region.

Surma belongs to the DA-Group

DA-Group is a Finnish company that designs and manufactures demanding high-tech and electronics solutions for cus-

tomers' applications, in order to promote both their performance and business. The company serves both industrial companies and organisations in the defence and space industries.

DA-Group's specialist expertise lies in embedded systems, electronics and mechanics, and radio frequency and microwave technologies. Established in 1995, the company employs more than 100 professionals. It is headquartered in Forssa, with offices in Helsinki, Tampere and Kaarina.

Its subsidiary Surma is an expert organisation that specialises in comprehensive battle endurance. The company provides services, systems and software for navies, shipyards and other operators in the sector all around the world. Its offering covers impulse response and vulnerability analyses, electromagnetic environmental management, and a range of design support, research and development.

Surma also supplies entire systems, such as magnetic protection devices and loading calculators for naval use. Established in 2007, the company employs 15 professionals. ✕