



Press Release

EOS and AMEXCI are part of SQ2020 Industrial Participation

Krailing, Germany, January 14th, 2025

Squadron 2020 is a project of the Finnish Navy. Its aim is to replace the seven vessels the Navy will decommission. Four modern corvettes will be procured to replace the vessels to be decommissioned. A multi-role corvette is a surface combatant capable of conducting effectively the range of Navy tasks at sea all year round. A large part of the Navy's tasks and operations are conducted at sea.

As part of Squadron 2020 Industrial Participation, AMEXCI and EOS, together with Saab, will develop new capabilities to manufacture demanding defense components in Finland with metal additive manufacturing (AM). The project focuses on developing AM solutions both for spare parts and new product development. New and enhanced competencies will contribute to improving the overall security of supply in Finland. Additive Manufacturing can enable spare part production for the Finnish Defense Forces (FDF) and critical industries, as well as the rapid deployment of new innovative equipment.

The project participants are industry forerunners in their respective areas of expertise. AMEXCI is a leading metal Additive Manufacturing service provider, with a high-quality 3D-printing production and know-how on developing AM solutions for our customers. EOS is the world leading company in Metal Additive Manufacturing solutions, with a deep understanding of materials and process development as well as quality assurance. Saab has successfully implemented metal Additive Manufacturing in its production processes. By transferring its technological expertise, Saab serves as an excellent partner in fostering new competencies within Finnish industries.

Statement from Finnish Defense Forces (FDF):

The project increases the capabilities of domestic industries in designing and manufacturing components for challenging military environments using AM. The Finnish Defence Forces sees the project as fulfilling the needs and supporting the interest of national military defence and security of supply.

Johannes Karjalainen, Managing Director, AMEXCI:

"I'm thrilled to be involved in developing new technologies and creating novel Nordic collaboration with Saab and EOS. I believe our new competencies developed within this project will be beneficial for many companies and stakeholders, and it will strengthen Finnish supply chain resilience in challenging situations.

Paula Kainu, Senior Metal Solutions Architect, EOS:

"Over the years, we have developed comprehensive know-how on AM materials with an extensive material data bank, which we will leverage in this project. By combining our extensive experience with



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the specific application requirements, we can develop an AM solution that perfectly fits. Not only advancing this project but adding value to many companies alike."

About AMEXCI

AMEXCI is a leading Additive Manufacturing company specialized in industrial metal 3D printing. Operating two world class production facilities, one in Örebro, Sweden and one in Tampere, Finland. AMEXCI's head quarter in Sweden is a 4 700m² facility specifically designed for Additive Manufacturing with the latest technology available on the market.

Their growing team of 30 employees possess deep knowledge in design, simulation, production, material analysis and post-processing, and have expertise in supporting customers in industrializing Additive Manufacturing. In addition to AMEXCI's production capacity, they also provide comprehensive training programs and research services that cover several areas, including different high-performance materials and consultancy on evolving topics within additive manufacturing.

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About EOS

[EOS](#) provides responsible manufacturing solutions via industrial 3D printing technologies to organizations around the world. Since 1989, EOS has shaped the future of manufacturing by enabling its customers to innovate and differentiate through expert guidance, technology and services, leveraging its end-to-end additive manufacturing (AM) industry partnerships. From strategy to education to production, EOS is the leading global partner for both metal and polymer AM solutions, accelerating time-to-market for its customers through high-quality production efficiencies and sustainable solutions.

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