

Faster and better image processing in radar, sonar and ultrasound

Software solution enhances image quality and lowers the cost.

Business Opportunity

Improvements in imaging hardware opens for real-time access to all data in the computer memory and revolutionizes the flexibility of software beamforming in imaging. We offer a novel technology that takes advantage of this new opportunity in imaging modalities such as radar, sonar, ultrasound, etc. The technology allows boosted image quality and reduced equipment costs; achieving the main differentiator targets in all imaging markets. Inven2 seeks licensees for the technology.

Technology Description

Researchers at the University of Oslo and Norwegian University of Science and Technology have developed a novel adaptive beamforming method that dramatically improves image quality and reduces data processing time and complexity.



Category

Medical Devices

Other Technologies

Digital Health

Communication Tech

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Further information

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Fig. 1: Adaptive beamforming on Synthetic Aperture Sonar data of a shipwreck on the seabed

Intellectual Property

Pending EP patent application WO2021/009495; The Intention to Grant communication has been issued.