



KONGSBERG

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Accelerating Image Recognition for Kongsberg Maritime's Marine Navigation Solution

Kongsberg Maritime has a vision to improve safety and increase the efficiency of shipping and is pioneering autonomous ships and using artificial intelligence (AI) to support crews with navigation at sea. The company's AI solutions have traditionally been based on GPUs, but Kongsberg Maritime wanted to use CPUs so it can simplify and consolidate its servers more easily. Working with Intel, Kongsberg Maritime was able to increase its solution's performance on standard server hardware by 4.8X on one of the company's demonstrator projects. The Intel® Distribution of OpenVINO™ toolkit was used to accelerate the performance of Kongsberg Maritime's TensorFlow* model running on Intel® Xeon® Scalable processors.¹

"We have been working with TensorFlow a lot, but the resources usually assume that you will be using GPUs. Working with Intel has enabled us to optimize our solution for CPUs, so we can benefit from using a more standardized server platform."

Jaakko Saarela,
Project Manager,
Kongsberg Maritime

Products and Solutions

[Intel® Xeon® Scalable Processors](#)

[Intel® Distribution of OpenVINO™ toolkit](#)

Industry

Maritime

Organization Size

5,001–10,000

Country

Norway

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¹ For more complete information about performance and benchmark results, visit <https://www.intel.com/content/www/us/en/customer-spotlight/stories/kongsberg-maritime-customer-story.html>