Creative Solutions Space Develops an FPGA Monte Carlo Acceleration Library with Intel® oneAPI

Creative Solutions Space Ltd (CSS) drives solutions in wide range of areas like Grid Computing in HPC, Edge Analytics, and Smart Gateways. They build compute acceleration applications and enterprise solutions through analytics with a focus on interoperability and secure deployment for on-premises and cloud infrastructures. As demand for hardware accelerated workloads increases, it is critical for FPGA design houses and Independent Software Vendors to prototype designs and produce proof-of-concepts for customers with faster time to market. In approximately three weeks, CSS developed a performant prototype of a Monte Carlo Acceleration Library for FPGAs using Intel® oneAPI toolkits.

> "It's pivotal in a way that OpenCL wasn't. oneAPI is key at making the development process more approachable allowing more heads to jump on the problem resulting in a faster Time to Market process."
>
> **Engineer at CSS**

Products and Solutions
Intel® Stratix® 10 GX FPGAs
Intel® FPGA Programmable Acceleration Card D5005
Intel® oneAPI Base Toolkit
Intel® FPGA Add-on for oneAPI Base Toolkit

Industry
Internet

Organization Size
<500

Country
United Kingdom

Learn more
Video
Webinar

1 For more complete information about performance and benchmark results, visit www.css-com.com