

Novelis



15% stronger design with a 99% reduction in simulations compared to the commercially available optimization¹

“At Novelis, we have always trusted Intel-based components to speed critical simulations whether those workloads run on our workstations or our cloud-based instances for AI.”

Dr. Vishwanath Hegadekatte, Novelis

Novelis Taps HPC and AI to Accelerate Beverage Can Design Optimization for Sustainability

Novelis Inc. is a leading sustainable aluminum solutions provider and the world leader in aluminum rolling and recycling. Novelis Inc. is driven by its purpose of shaping a sustainable world together. In the past, Novelis relied on CAD design workstations and trial-and-error methods to identify effective designs for prototyping and physical testing when supporting customers. Today, the combination of SigOpt’s Intelligent Experimentation Platform and Intel® hardware-based cloud instances aids Novelis engineers in designing stronger, lighter aluminum products faster. Using SigOpt, Novelis engineers reduced the number of costly and time-consuming physical prototypes needed. The process also helps Novelis deliver solutions for their customers more rapidly than ever.

Products and Solutions

[Intel® Xeon® Scalable Processors](#)

[SigOpt Intelligent Experimentation Platform](#)

Industry

Manufacturing

Organization Size

10,001+

Country

United States

Learn more

[Case Study](#)

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