

CINECA



Atos

LEONARDO



CINECA Drives Toward Exascale HPC with Leonardo Supercomputer

At the center of Italy's commitment to High Performance Computing (HPC) is Cineca, a private, nonprofit consortium made up of the Ministry of Education, the Ministry of University and Research, 69 Italian universities, 28 national public institutions, and 13 national research institutes. The organization provides HPC resources and high-level support to its members. Discoveries and insight are used to further scientific exploration and for commercial applications, making Cineca a technological bridge between academics and science domains and industry. Cineca recently deployed its most powerful supercomputer built on the latest generations of Intel® Xeon® Scalable processors. The new HPC system, named Leonardo, ranks #4 on the November Top500.org list.¹ Leonardo is designed to deliver 250 petaFLOPS HPL compute performance and 10 exaFLOPS of FP16 AI performance, giving Cineca a new achievement along its roadmap to be a leading supercomputing center for Europe.²

Products and Solutions

[4th Gen Intel® Xeon® Scalable Processors](#)

[3rd Gen Intel® Xeon® Scalable Processors](#)

Industry
Nonprofit

Organization Size
501–1,000

Country
Italy

Partners
[Atos](#)

Learn more
[Case Study](#)

^{1, 2} For more complete information about performance and benchmark results, visit <https://www.intel.com/content/www/us/en/customer-spotlight/stories/cineca-study.html>