



Get inspired

The Dell | Intel Competence Centre Cloud and High Performance Computing

In collaboration with Università di Pisa and
Scuola Normale Superiore di Pisa



The power to do more

Leadership through collaboration.

In partnership with and located at the renowned University and Scuola Normale Superiore of Pisa – and building on our longstanding global leadership in IT innovation – we're proud to announce the opening of the Dell | Intel Competence Centre for Cloud and High Performance Computing (HPC). Situated at one of the leading universities in Southern Europe, the Centre features the latest technology available in the market.



A place to further insights and inspiration

The Competence Centre at University of Pisa and Scuola Normale Superiore di Pisa has been created to respond to the rapidly growing need for cutting-edge infrastructure solutions, allowing university researchers to share and power their work, and visitors to get insights into the latest and most efficient infrastructure technology.

Using standards-based architecture – from the latest in cloud computing to high performance computing solutions and data protection – the Centre can help organisations achieve key performance and strategic goals.

A host of benefits

Leveraging the insights and solutions showcased at the Competency Centre can help:

- Streamline infrastructure to boost efficiency and lower TCO
- Reduce complexity of IT management and increase automation
- Lower power and cooling costs through energy-efficient design
- Inspire through best practices, proofs of concept, case studies and reference architectures
- Improve utilisation of existing infrastructures
- Boost agility, flexibility and business continuity

Take advantage of the opportunity to visit the Competence Centre and understand the benefits of the existing and future solutions shown.

Innovation for all

Healthcare and High-Performance Computing (HPC) are two main focus areas at the new Competence Centre. Yet thanks to Dell and Intel's leadership in technology partnerships, scalable solutions and support services, organisations of all sizes across industries can take advantage of these future-ready solutions.



End-to-end solutions in 4 key areas

The new Dell | Intel Competence Centre for Cloud and High Performance Computing at the University of Pisa and Scuola Normale Superiore di Pisa offers the latest advances and learnings in four main solution areas.

Converged infrastructure – optimising performance

As organisational needs evolve, convergence can be the answer to meeting the massive computing requirements typical to today's IT environments. A converged infrastructure means that compute resources, networking and storage are centrally deployed, configured and managed. Leveraging high capacity and ultradense blade servers, can result in new levels of IT efficiency, agility and resiliency.

Benefits include:

- Reduced cost of running applications
- Faster infrastructure deployments
- Simplicity and speed of management
- Improved time-to-value for application and cloud deployments

Cloud & virtualization – revolutionising resources

When it comes to cloud computing, most decision makers realise it's no longer a question of "if" but "when". Moving to the cloud improves not only the speed, but also the quantity and quality of resources available to an organisation. Going beyond the limits of traditional high performance infrastructures and data centres offers more choice, flexibility and agility – and becomes a real competitive advantage. Partnering with virtualization leaders, we help you move from advanced virtualization scenarios to public, private or hybrid high performance cloud solutions.

Benefits include:

- Significant cost savings
- Increased flexibility and efficiency
- New levels of security

Data protection – securing your most important asset

As your business matures and evolves, your technology and storage requirements follow a similar growth pattern. To help you manage these expanding business demands, Dell provides businesses like yours, with an array of storage solutions that fits into your growth plans now, with a strategy to help you grow later. From disaster recovery to archiving and replication – acclaimed solutions such as Dell™ Fluid Data™ change the game for storage. Delivering intelligent optimization by automatically putting the right data in the right place at the right time – for the right cost.

Benefits include:

- Breakthrough efficiency
- Intelligent storage automation
- Single platform scalability
- Easier IT management
- Storage consolidation

High Performance Computing - expanding the boundaries of what is possible

Today, High Performance Computing (HPC) has become the backbone of science and product development. A balanced HPC infrastructure must be tailored to the task at hand and the application and code tied to that task. The right system and implementation, proper services and support must be designed to make for efficient research workflows and processes, getting results faster and optimising and speeding up discovery or a product's time to market.

Benefits include:

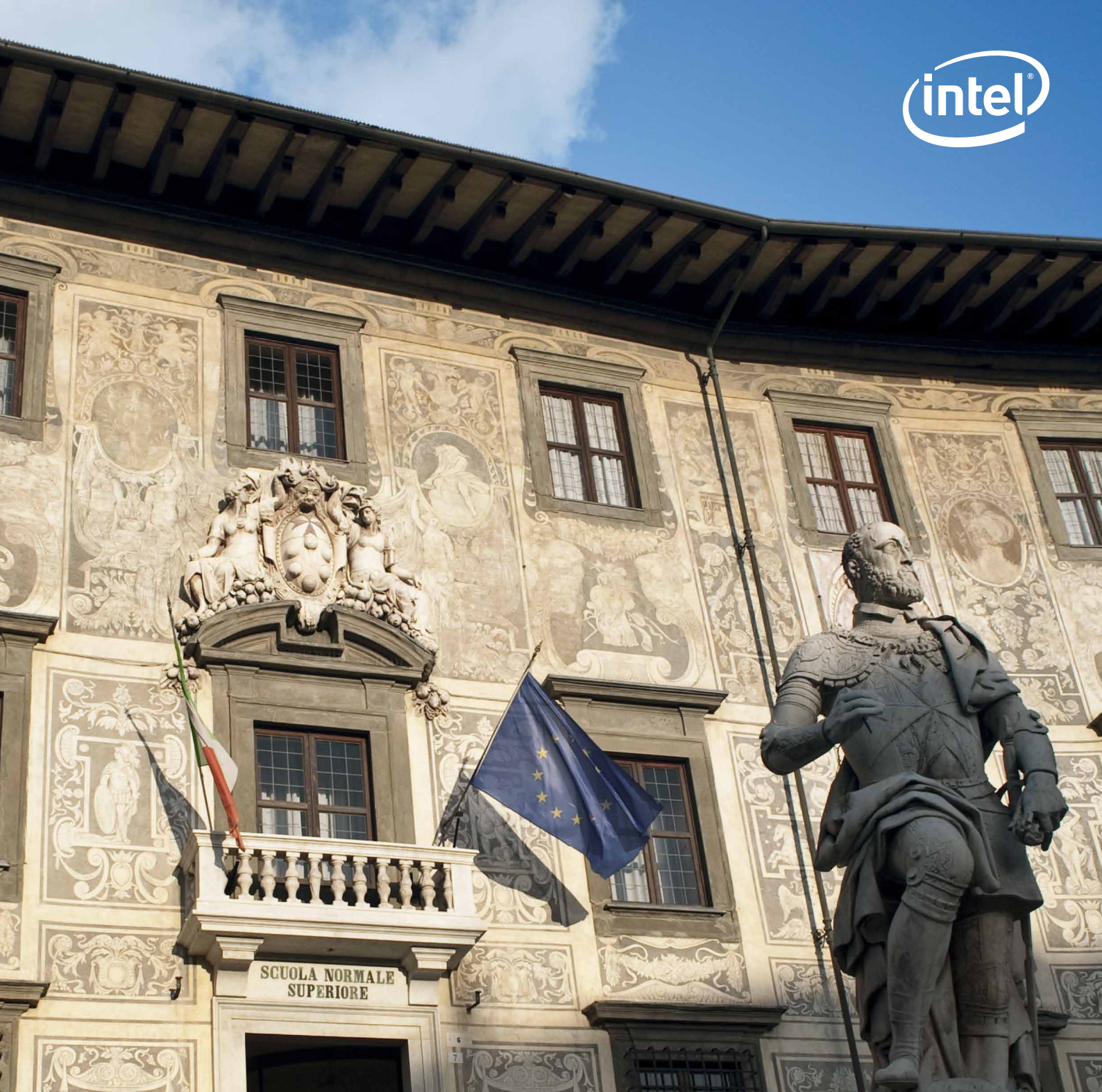
- Compute technology that is flexible to meet diverse density, form-factor, and performance criteria
- Intelligent, high-performance, and scalable storage strategies to get the data explosion under control and accessible for researchers
- Networking and interconnect technologies simplified and standardized for HPC infrastructures

Eco-friendly solutions

During challenging economic times, investing in IT solutions that are better for the environment can also be smarter for your bottom line. At Dell, we offer unique solutions that increase Data Centre efficiency based on individual organisation needs. Savings can then be re-invested in innovation, for a positive economic – and environmental – impact.

Visit the Competence Centre

Contact your Account Representative for more information about leveraging these innovations for your organisation.



Visit the Dell | Intel Competence Centre for Cloud and High Performance Computing at the University of Pisa and Scuola Normale Superiore di Pisa.

Get inspired by efficient infrastructure technology.



The power to do more

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