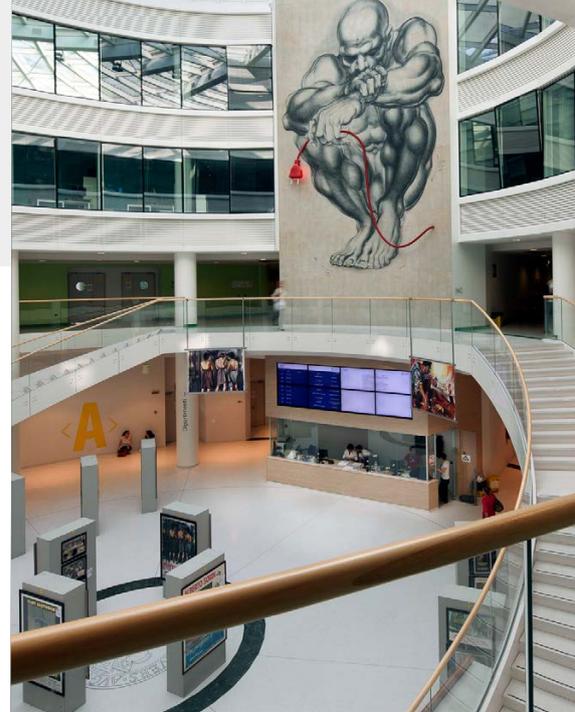




# Digital disruption boosts learning outcomes

The University of Turin transforms student education with virtual desktops that halve desktop costs and reduce power consumption by 30 percent across the estate



UNIVERSITÀ  
DEGLI STUDI  
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Educational Services

Italy

## Organisation needs

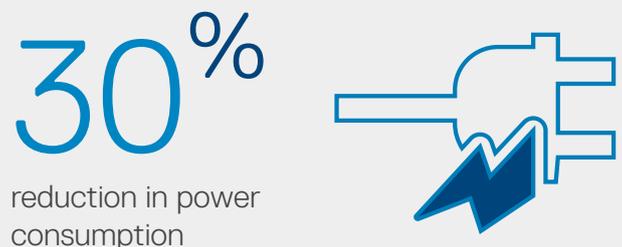
The University of Turin required a solution to replace its thin-client workstations. It wanted more powerful devices that were easier to manage, and able to connect quickly and securely to the virtual desktop infrastructure systems based on VMware Horizon.

## Solutions at a glance

- [Cloud Client-Computing](#)

## Organisation results

- Reduction of terminal installation times
- Improvement of the user experience thanks to all-in-one models equipped with an integrated webcam



In recent years, the University of Turin has revolutionized its traditional teaching methods by ensuring students have flexible access to applications and data via their workstations. The institution however is keen to keep IT management as lean as possible. Dr Carmine Montefusco heads a team of administrators who manage an infrastructure of 1,500 terminals.

Server and desktop virtualization is a key part of the university's IT strategy. The university now intend to extend the use of the virtual desktop infrastructure (VDI), supported by VMware Horizon, to more than 100 university buildings located across Turin and its province. This would also significantly reduce the cost of desktop resources.

After evaluating options on the market, the university purchased Dell Wyse 5040 and 5010 thin clients.

## Transforming education through IT

Today, students and teachers at the University of Turin can count on better access to applications and data. Vincenzo Garsia, ICT manager at the Campus Luigi Einaudi of the university of Turin, says, "With the new thin clients, we can quickly provide and modify work environments, or virtual machine pools, to better meet the different needs of our users. This helps maximise their learning outcomes."

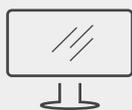
## 50% cut in costs, 30% cut in power

The university has reduced the total cost of ownership (TCO) of its desktops. And thanks to the reliability and ease of management of the terminals, the university estimates that the TCO has been halved within the structure. "We can work more efficiently with our new thin clients. For example, we can set up a temporary class with virtual desktops in just a few hours," adds Angelo Saccà, head of information systems at the university.

The university has also reduced the energy consumption of its desktops by 30 percent as it extends its use of thin clients.

*"With the new thin clients, we can quickly provide and modify work environments, or virtual machine pools, to better meet the different needs of our users. This helps maximise their learning outcomes."*

Vincenzo Garsia, IT Manager of the Campus Luigi Einaudi, University of Turin



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