



University of Porto School of  
Engineering  
Porto, Portugal  
[www.fe.up.pt](http://www.fe.up.pt)

#### Industry:

Higher Education

#### Employees:

30,000 students  
3,000 faculty  
13 campuses

#### Oracle Products & Services:

Oracle Database  
Oracle Real Application Clusters  
Oracle Application Server

#### Oracle Partner:

Novell  
Waltham, Massachusetts  
[www.novell.com/linux/suse](http://www.novell.com/linux/suse)

**“Oracle is the most innovative solution in the market. Together with Novell, Oracle provides us with a reliable, highly available, high-performance infrastructure while using low-cost hardware—a key to achieving success within highly constrained budgets.”** – Manuel Machado, Information Systems Faculty, University of Porto School of Engineering

## University of Porto School of Engineering Builds Highly Scalable, Reliable Infrastructure on Novell SUSE Linux

With origins that date to the 18<sup>th</sup> century, Portugal’s world-renowned University of Porto School of Engineering (Faculdade de Engenharia da Universidade do Porto or FEUP) is part of a 13-campus system that accommodates 30,000 students and 3,000 faculty across Portugal. The institution is one of the most respected engineering schools in Europe.

### Challenges

- Securely manage information for more 30,000 students and 3,000 faculty across 13 campuses
- Develop a data infrastructure that is highly scalable, available, and secure
- Improve IT performance while lowering costs

### Solution

- Created a highly scalable, reliable, and secure data infrastructure for the school of engineering with Oracle technology, including Oracle Database 10g Release 2, Oracle Real Application Clusters, and Oracle Application Server 10g
- Gained the ability to effectively manage student records, human resources applications, faculty directories, curriculum information, and more—with higher performance at a lower cost
- Deployed the infrastructure on Novell SUSE Linux Enterprise Server 9, to ensure scalability and reduce hardware costs
- Gained the ability to rapidly and cost-effectively add capacity with Oracle Real Application Clusters