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# Tectrade

Your Data Protection Partner

## How the University of Dundee's been protecting data – with our help – for over a decade

In ten years, the University of Dundee's School of Life Sciences has seen its data demands change dramatically. What's not changed, however, is the School's chosen advisor for backup and storage.

“Tectrade are one of our most trusted suppliers and consultants. It’s been a very good relationship, and we hope it’ll continue for some time yet.”

**Chris Scott**

Research Computing Manager  
University of Dundee



**University  
of Dundee**

# The challenge

the University of Dundee for over a decade. In those ten years, it's School of Life Sciences has seen the amount of data it creates, protects and keeps available to the global research community grow and grow.

become more powerful, the resolution of images they create - and the size of the files they output - have increased too. At the same time, sources of data have multiplied - as computers become central to ever more disciplines.

The challenge? Keeping this deluge of data:

- **Protected but accessible. The average project lasts for three years, and governance means it must be kept available for access peer review by the global research community for another ten.**
- **In the smallest physical space. In a scientific research environment, space is precious, and the School's IT team aren't the only ones competing for it - sometimes whole rooms must be given over to a single scientific instrument.**
- **With the least effort. The School's IT team have a lot on their plate - constantly upgrading capacity is one task they wanted to do without.**



# The solution

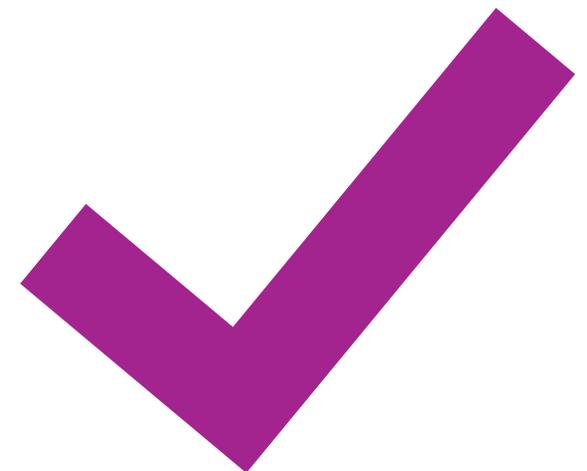
Throughout our relationship with the University of Dundee's School of Life Sciences, we've worked to guide its backup and storage strategy:

- **Designing backup and storage solutions:** to meet the School's specific needs
- **Helping squeeze more value from existing investments:** with features like logical libraries, and techniques like virtual I/O
- **Advising on new technologies:** explaining the value of real-time compression, for example, and how to get the most from it
- **Undertaking hardware and software upgrades:** like refreshing its tape libraries to both expand capacity, and allow much faster management

We're proud to be one of a select few companies trusted with access to the University of Dundee's internal environment.

As Chris Scott, the School's Research and Computing Manager explains:

"The biggest benefit Tectrade brings us? Informing our strategy for Data Storage and Backup. They're not just an automatic port of call, they're always the first place we go."



“We know Tectrade can deliver what we’re looking for, to the quality we’re looking for, and that the engagement will be very pleasant and professional. With Tectrade, it’s always a well-run project, with no surprises, that comes in on budget.”

**Chris Scott**

Research Computing Manager  
University of Dundee



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## The Environment

- Size: Hundreds of TBs, across multiple campuses
- Virtualisation: VMware vSphere 5.5
- Operating systems: Windows Server 2008R2/2012R2 (32 & 64 bit), Centos or Red Hat Enterprise Linux 5&6, (and on legacy systems) SUSE Linux and Netware 6.5/6.0
- Physical servers: Dell, HP, IBM x86 & Power Servers
- Storage: IBM StorwizeV7000, Dell Compellent and PowerVault Fibre Channel arrays



## The Products & Services

- Storage Virtualisation: IBM Spectrum Virtualise
- High Performance Storage: IBM V7000 with Real-Time Compression
- File Storage Platform: IBM Spectrum Scale
- Enterprise Data Protection: IBM Spectrum Protect running on IBM POWER servers, using IBM TS3500 Tape Libraries with LTO6 drives

# The Results

## An ever-smarter backup and storage set-up

Working so closely with the University, we've been able to help them meet every new backup and storage challenge in the smartest possible way – driving out complexity and cost. In Chris Scott's words:

"Tectrade are very proactive in their engagement with us. They keep us apprised on new IBM technologies, and new features of existing products – so we're not just using them in part, we're deriving maximum value."

## Accessible, efficient storage

We've helped the University store data transparently on the tape tier, while making sure users can get it back when they need it – minimising the need for faster, more expensive storage media.

## Twice the data in the same space

With the introduction of real-time compression, the university's team has now effectively doubled its storage capacity. And it's done it without having to find more space, or devote any resources to deploying new hardware.

## More time to focus on more valuable projects

Our ongoing relationship with the University's team also ensures they can make the best use of their own time and expertise. Here's Chris again:

"When we engage Tectrade for a backup solution, we can use our resources for other projects. They've the experience and the industry knowledge that I can just give them the information they need, and they'll provide the project details and specifications."



“We’ve seen first-hand just what Tectrade can do around backup and tape. They’re very capable, and it’s great just knowing that they’re there.”

**Chris Scott**

Research Computing Manager  
University of Dundee



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of Dundee**

Tectrade attacks the toughest, most complex data challenges for the world's most data-intensive companies. We partner with our clients to help them better protect and manage their critical data assets – reducing cost and risk, and unlocking the full value of their data. And with teams in Europe and the US, we can deliver projects and managed services on a truly global scale.

[Tectrade.com](https://www.tectrade.com)

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