

Project partners

University of Aberdeen. Robert Gordon University. North East Scotland College. Workspace Technology Limited.

Section 2 The results

The problem

After 20 years of ad hoc investment and growth, the University of Aberdeen's data centre had reached a stage where it was ecologically unsustainable and not a suitable platform for future initiatives. Simultaneously, Robert Gordon University and the North East College of Scotland also required carbon and cost effective data centre facilities. A shared services model was adopted.

Tasks included major construction work, innovative technology deployment and relocation of all network / server kit whilst all business operations were kept running in a live data centre.

The approach

Due to the complexity risk of the project, extremely good governance and detailed planning were utilised at all stages. This included the work of the onsite supplier. Additionally, an open book and transparent approach was taken to costs and planning between the 3 HE / FE partners.

Our goals

The goals were simple, but nonetheless extremely difficult to achieve:

- Minimise business down time and data loss during all project phases
- Ultimately, provide excellent green credentials in terms of Power Usage Efficiency (PUE) and load
- Provide all partners with excellent customer service from the facility



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Obstacles and solutions

Obstacle	Solution
Shared service approach	Development of trust through excellent project governance,
	open book accounting and support of over-arching vision
	from senior management
Live Data Centre in term time	Minimise business down time through detailed planning and
	close liaison with the business units
Use of third party supplier using	Tender specified and contracted with the supplier with
innovative solution	regard to desired end results – PUE etc, NOT the detailed
	solution configuration. Risk moved to the supplier.
Complex, risky movement of all	Detailed planning, use of formal in-house RFC system and
server and network kit in data	close working relationship with on-site supplier work-force.
centre	

Performance and results

Unplanned downtime of less than 40 minutes across the whole project, with industry leading PUE figures and huge carbon and financial savings have all been delivered on time and on budget.

In achieving this goal, the partnership has delivered individual and sectorial savings through the creation of a highly carbon efficient facility. There has also been a significant improvement in its services to staff and students through the improved facilities.

Section 3 The future

Lessons learned

Team skills, pride and inter-institutional trust have been significantly developed and the NESSDC project forms a basis from which other shared initiatives will grow – a shared secondary data centre is nearing completion. Green can be the right choice on all levels!

Sharing your project

Project results and methodology have been disseminated through entering and winning various awards, including the UCISA Award for Excellence 2013 and the BCS / Computing IT Best Data Centre project 2013. There has also been a Universities Scotland case study and a number of organizational visits to the facility.

What has it meant to your institution to be a Green Gown Award finalist?

In summary this means a tremendous amount. This important sector-wide award is great recognition to the team for a prolonged and excellent piece of work. It also rewards the individual institutions' leap of trust in taking a true shared service approach to achieving our business and sustainability goals.

Further information

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