

Caird Data Centre

May 2009

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Objectives

- **Background to why a Local Authority are “in business”**
- **Understanding of what South Lanarkshire can offer other organisations**
- **Address any issues**
- **Answer any questions**

A Data Centre

- **Tier 3**
- **Secure**
- **Located in Hamilton**
- **Close proximity to transport links**
- **Ticks lots of Government boxes**

Caird Centre

What is it?

Purpose built to host (former) Strathclyde Regional Council computer infrastructure

- Opened in 1991
- Currently hosts SLC and several external agencies IT systems

Central Location

- 25 miles from Edinburgh
- 17 miles from Glasgow
- Easily accessed from the M74 and M8 motorways

Drivers for this activity

- **Efficient Government Agenda**
- **Shared Services**
- **General economic pressures**
- **Best Value**
- **Maximising use of assets**

Investment and Strategy

- **Phase 1 and 2 in 2006**
- **Phase 3 in 2008**
- **Currently hosts SLC and several external agencies IT systems**
- **Strategy approved for further Application Shared Services**

Capacity

- **Room 1 has capacity for 117 racks**
- **Room 2 has capacity for 88 racks**

Building Characteristics

Access

- Access during normal working hours is by formal request
- Emergency access is available through an agreed process

Security

- Building is manned 24 hours, 365 days a year
- Building and grounds are monitored by CCTV
- External door Intruder detectors are linked to a security centre

Building Management

- On site facility management Monday – Friday 8am – 6pm
- Maintenance contracts are in place to support the building infrastructure
- Building maintenance by SLC, with a 24 hour call centre available to allocate resources in the event of an incident

Data Centre Phase 2



Data Centre Infrastructure Support

- **Multiple power distribution units per room to provide resiliency**
- **UPS to provide battery back up with filtered power supply**
- **Diesel generator to supplement the power supply**
- **Wide range of diversely routed communication services**
- **Raised floor to enable easy access to power and communication cabling and to aid air flow**
- **Cabling power and network baskets are integrated into the room design**



Data Centre Environmental Support

- Environmental monitoring to measure humidity and temperature
- Air conditioning to maintain a constant temperature
- Fire detection system in ceiling and floor void
- Fire suppression system in data centre and media room
- Under floor leak detection system
- Floor and ceiling air sampling systems to monitor smoke or dust
- Automatic lighting provided by PIR sensors for energy efficiency

Data Centre Security

- **Formal request to access data centre**
- **Visitors are accompanied by on site facility team**
- **Swipe card access system to data centre**
- **Entry to server room is captured by camera entry system**
- **PIR activated video surveillance within data centres**

Data Centre Processes

Processes to support the day to day operation of the building

- **Access to building to maintain data centre security**
- **Asset / configuration management to record your on site assets**
- **Facility incident management to record full incident history**
- **Facility change management to ensure changes are implemented in a controlled manner**
- **Facility maintenance dates (2 weekend per year) are published 3 years in advance**

Shared Services

- **Offices**
- **Meeting rooms**
- **Secure car parking available on request**
- **Kitchen**
- **WC**
- **Easy access facilities**

Licence Agreement

The Licence is an agreement between SLC and an external party to use space within the Data Centre for the installation and operation of computer equipment

- **Duration & any extension period(s)**
- **Fee**
- **Insurance**
- **Indemnity**
- **Licensor's rights**
- **Licensee's obligations**
- **Arbitration**
- **Scots Law**

Current Customers

- **UWS**
- **Scottish Government**
- **National Infrastructure for Scotland**
- **Scottish Government ISIS**
- **West Lothian Council**

- **All hosted service not applications**

Summary

- **Outline of the offering**
- **We do have costs on a per rack/row**
- **Offers an option for organisations**
- **Avoids investment in buildings**
- **Government likes the approach!**
- **Demonstrates that public sector can work together**



Questions?