



IFL Data Centres

UKNOF6

19th January 2007

University of Southampton



- Data centre opened January 2005
- Room C1 filled by September 2005
- 13,000 sq ft capacity added Q4 2006
 - 2MW power
 - 150 Watts / sq ft
 - Up to 20 Amps (5 kW / rack)



IFL2 - Specification

- Dual HV supply
- N+1 UPS
- DX air conditioning
- VESDA smoke detection
- FM200 fire suppression



IFL 2 – Room C3



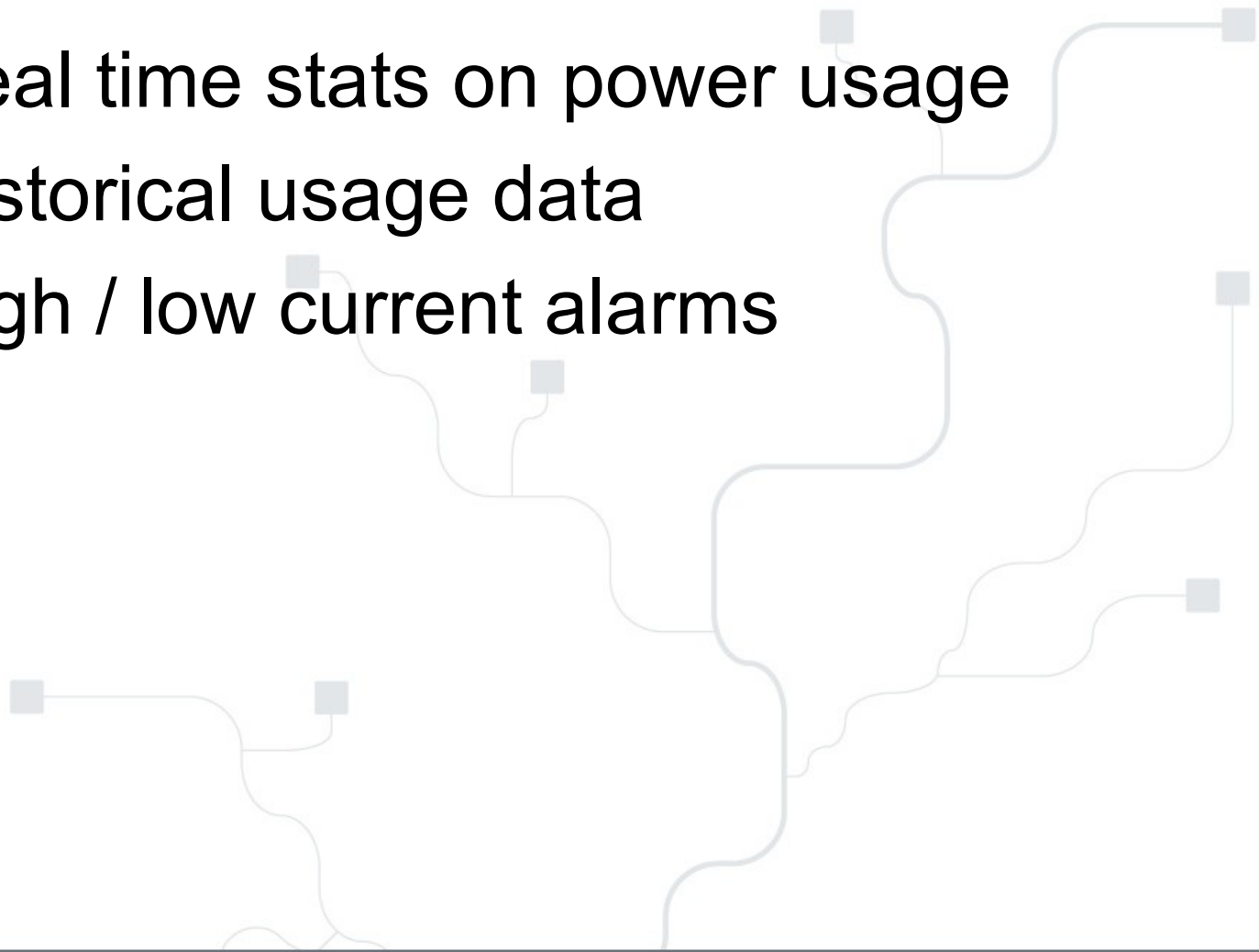
BUSINESS CLASS DATA CENTRES





ISIS Power Monitoring

- Real time stats on power usage
- Historical usage data
- High / low current alarms





ISIS Power Monitoring

Power Circuits - Transitive - Mozilla Firefox

https://secure.internetcf.co.uk/isis/power.php

Site	Rack	Circuit	Reading	Date/Time
RH	S113/A1	PDU103-42-12	10.37	2007-01-15 16:30:00
RH	S113/A2	PDU103-42-11	14.69	2007-01-15 16:30:00
RH	S113/A3	PDU103-42-10	8.65	2007-01-15 16:30:00
RH	S113/A4	PDU103-42-9	16.68	2007-01-15 16:30:00
			50.39	SHOW TOTAL

Show Graphs Period: Yesterday

Power usage based on last readings. For historical data select desired circuits and click Show Graphs.
* RH = Reynolds House; KB = Kilburn Building

Marcus Hoopwood [IFL Admin] - Transitive ISIS 0.18

Power Graphs - Transitive - Mozilla Firefox

https://secure.internetcf.co.uk/isis/power_graph.php

- Rack: S113/A1 PDU: 103-2-12**
08/01/2007 to 16/01/2007
Min= 9.67 Max= 13.62 Avg= 10.17
Last 10.37 @ 2007-01-15 16:30:00 auto
- Rack: S113/A2 PDU: 103-2-11**
08/01/2007 to 16/01/2007
Min= 14.51 Max= 16.35 Avg= 14.78
Last 14.69 @ 2007-01-15 16:30:00 auto
- Rack: S113/A3 PDU: 103-2-10**
08/01/2007 to 16/01/2007
Min= 4.86 Max= 8.93 Avg= 7.40
Last 8.65 @ 2007-01-15 16:30:00 auto
- Rack: S113/A4 PDU: 103-2-9**
08/01/2007 to 16/01/2007
Min= 10.73 Max= 16.95 Avg= 14.67
Last 16.68 @ 2007-01-15 16:30:00 auto
- Total**
2007-01-08 to 2007-01-16
Min= 9.67 Max= 16.95 Avg= 12.51
Last 50.39 @ 2007-01-15 16:30:00 auto





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