Data Centres

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Document reference number	*DHI070217RR0001*
	o E = exploratory report o L = lab report o F = factory report o S = summary document o LR = literature review o RR = research report o MR = market research o MAP = mapping o V=video o O= other

Publication date	7/2/2017
Revision date	
Revision number	

Purpose of document	Short research paper
Project detail (delete row if appropriate)	Summary of Data Centres in close proximity to Maxim
Other detail (delete row if appropriate)	

Related projects	Names and doc reference numbers
Keywords	(data centre; phase 2;

Data Centres

DHI are reviewing potential datacentres for colocation services in phase 2 of DHI operations. The DataVita Fortis datacentre has been visited by DHI staff and its proximity to DHI makes it an ideal datacentre for the DHI to use. DataVita Fortis, located in the greater Glasgow area (ML6 8NW), is a colocation data centre that is carrier neutral. Carrier neutral (or network neutral) datacentres are datacentres that allow interconnection between multiple telecommunication carriers and/or colocation providers. A benefit of carrier-neutral datacentres is that they allow users the ability to switch providers without physically moving their server's location.

Aside from the DataVita Data Centres, there are very few data centres in Scotland that offer data hosting/colocation. Pulsant has data centres in Newbridge, South Gyle and Glasgow North. Another data centre is Onyx group which has centres in Edinburgh and Glasgow. Finally, Iomart datacentre is in the Glasgow area. The details of what these datacentres provide are listed side by side in the table below. The big three of Amazon, Google and Microsoft have no Scottish presence for data hosting/colocation.

Datacentres	DataVita Fortis	Pulsant South Gyle	Pulsant Newbridge	Onyx Group (both)	Iomart Glasgow
Carrier neutral	✓	✓	✗	✗	✓
Office Space	✗	✓	✗	✓	✗
Suites	✓	✓	✓	✓	✓
Cages	✓	✓	✓	✓	✓
Rack Cabinets	✓	✓	✓	✓	✓
Footprints	✓	✗	✗	✓	✓
Hosting of individual servers	✗	✓	✓	✓	✓
Dedicated servers	✗	✗	✓	✓	✓
Virtual servers	✓	✓	✓	✓	✓
Remote hands	✓	✓	✓	✓	✓

Another datacentre provider Hutchinson networks operates out of Edinburgh, working in a similar fashion to the data centres mentioned previously. Although they don't explicitly offer data hosting/colocation they do offer cloud storage alongside a global support network, with a focus on IT software and hardware support. All the datacentres offer similar services regarding network maintenance, support, cloud backup and hosting and colocation (amongst those previously listed). The most significant difference between the datacentres listed is that Datavita is the UK's first life science and healthcare compliant datacentre with a focus upon utilising Scotland's innovation talent pool. This focus on life science and healthcare

aligns seamlessly with the DHI's work and would allow for both the DHI and DataVita Fortis to benefit from working together.