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Capgemini opens one of the world's most sustainable data centers
Merlin redefines standards for the future of energy-efficient data centers worldwide

Paris, London, October 12, 2010 – Capgemini, one of the world's foremost providers of consulting, technology and outsourcing services, today announced the opening of a new state-of-the-art sustainable data center in the UK, poised to set new standards for global data center energy efficiency through its industry-leading energy ratings and modular design. Amid growing demand for outsourcing and cloud services, Capgemini designed the new data center from first principles, applying smart engineering to rethink the entire blueprint. Clients who outsource their IT or business processes, or use Capgemini's cloud offerings will benefit from cost savings and environmental ratings but also a high level of quality and technical service.

The new "Merlin" data center – built on a brown field site in Swindon, near London - boasts a low power usage effectiveness (PUE) annualised rating of 1.08 (factory tested): a worldwide industry first. As well as featuring a smart modular design which can be individually tailored to suit client needs and is economical in space and resourcing, the facility guarantees a high level of energy efficiency through its use of fresh air cooling, taking advantage of Swindon's ideal all-year round moderate climate. The data center was built using eco-considerate materials and sustainable sourcing was encouraged at all points of the build. The electricity consumption of the facility will be just half that of a traditional facility, while maintenance costs will only be a quarter of that of older designs. Merlin is designed to support the full continuum of managed services from legacy and dedicated client infrastructures through to utility and Capgemini's latest cloud based services.

The new UK facility is a key component of Capgemini's Global Infrastructure Outsourcing (GIO) strategy which has invested €100million across a global data center portfolio of 25 facilities in Canada, China, Finland, France, Germany, the Netherlands, Spain, Switzerland and the United States, as well as the UK. Capgemini's

GIO supports over 26,000 physical servers of which 8,000 are virtualized[1]. Capgemini's key focus is on data center optimization to respond to client's demands for security, sustainability and cost efficiency.

"With global demand for our outsourcing and cloud services growing sharply, we needed more space to house such services" says Capgemini's CEO of Global Infrastructure Management, Richard Dicketts. *"However, we had to develop new facilities that could support the efficiencies our clients seek. Meeting the requirements of 21st century businesses in terms of agility, cost and risk management, fully managed, virtualized and private cloud services need to be delivered alongside the more traditional data center services. The Merlin facility represents a new generation of data center design, which redefines industry standards and has resulted from both our long term drive to improve efficiency and the contractual imperatives to deliver environmental efficiency. Using this blueprint we will be able to set up large or small facilities wherever they are needed around the globe to fulfil demand for services."*

Key features of the "Merlin" data center

- **Output:** Merlin has a power usage effectiveness (PUE) rating of 1.08 (factory tested)[2]. Whilst PUE ratings are improving steadily, the industry standard remains between 2.0 and 2.5. The Merlin facility represents a step-change in addressing this industry challenge.

- **Fresh air cooling system:** Each module is equipped with a highly dedicated Air Optimiser climate control cooling unit which step-cools air in stages, with primary "fresh air" cooling and second stage evaporative cooling.

- **BMS and climate control:** The bespoke building management system is one of the most sophisticated ever designed. Fully managed hot and cold air flows enable constant peak operational efficiency.

- **Certified Tier 3:** Merlin will be certified as an Uptime Institute certified Tier 3 data center[3], one of only three such sites in the UK.

- **60,000 square foot technical floor capacity**: The data center of over 100,000 square feet has the ability to supply 60,000 square feet of available technical floor space, comprising 24 x 2,500 squarefoot modules.

About Capgemini
Capgemini, one of the world's foremost providers of consulting, technology and outsourcing services, enables its clients to transform and perform through technologies. Capgemini provides its clients with insights and capabilities that boost their freedom to achieve superior results through a unique way of working, the Collaborative Business Experience™. The Group relies on its global delivery model called Rightshore®, which

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[1] Virtualization: this service converts hardware such as servers, networks, storage and even desktops into virtual environments. This radically improves utilization, speed of deployment and provisioning, and enables new support models. Virtualization appeals to any organization looking to improve its capacity whilst avoiding further capital expenditure.

[2] inclusive of all electrical losses its likely that this PUE would be at 1.10

[3] The Uptime Institute is a think tank which was founded by a number of datacenter specialists (from management, design and datacenter construction companies). This organisation is most well-known for having introduced its datacenter rating system, which classifies datacenters according to their resilience (Tier 1 to 4).

aims to get the right balance of the best talent from multiple locations, working as one team to create and deliver the optimum solution for clients. Present in more than 30 countries, Capgemini reported 2009 global revenues of EUR 8.4 billion and employs 95,000 people worldwide.

More information is available at www.capgemini.com.

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