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Posted by Gary Flood on Thu, 10/06/2010 - 15:35

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The Engineering and Physical Sciences Research Council has awarded a five year, £9.5m grant to the Universities of Leeds and Cambridge to study how we can build networks that consume less power but can still scale.

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The idea is to look at ways to even potentially reduce even the Internet's carbon footprint - which just on its own may account for as much as 3-5% of the world's electricity use, say the researchers.

The project is thus for another kind of 'INTERNET' – or in this case, the [Intelligent Energy Aware Networks initiative](#).

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The Dispatch Box: Answering the challenge of public sector Cloud security



In this week's Dispatch Box, David Akka,

FOR 2010... THE UK'S BIGGEST PITCHING COMPETITION



If the project succeeds, it would mean ICT networks with at least 10% CO2 emission equivalent, with a corresponding reduction in non-renewable energy consumption.

“The predicted future growth in the number of connected devices, and of the bandwidth of the internet of an order of magnitude or two, is not practical if it leads to a corresponding growth in energy consumption,” said Professor Jaafar Elmirghani, chair in communication networks and systems in the [School of Electronic and Electrical Engineering at the University of Leeds, who is leading the project.](#)

The collaborative project will draw together leading research in three key areas: optical networks, optimisation of Internet and Web protocols and services and optical routing and data communications.



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managing director of Magic Software's operations in the UK, Eire, and Nordics, discusses the potential use of the hybrid Cloud Computing model in the public sector.

“Despite the risks though, Cloud Computing represents a major evolution in IT that cannot be ignored, and with the G-Cloud, the government plans to put Cloud Computing at the heart of their IT Strategy. At a time when public scrutiny of public sector spending is at an all-time high, Cloud Computing enables public sector organisations (particularly those with stretched budgets such as defence and the NHS) to do their work without the need for costly hardware and software acquisition and maintenance, while also “making ‘loosely devolved’ government departments more efficient by sharing resources.” [Read more](#)

Innovation: A step too far in the austerity age?



Complete and enter our draw to win a free seat at the e-Government Awards. The public sector is already perceived to be lacking in innovation, but is that a fair assessment, and

what role could it play in helping the government meet efficiency targets? What do people working on the frontline of ICT in public sector organisations think? [Take part and share your views](#)

Jan Muhlfelt of Microsoft Europe, discusses the role of the Cloud in helping to deliver the EU2020 strategy.

Source: *The Institute of International and European Affairs (IIEA)*

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