

<http://www.businessgreen.com/business-green/news/2208345/galileo-aims-datacentres-cold>

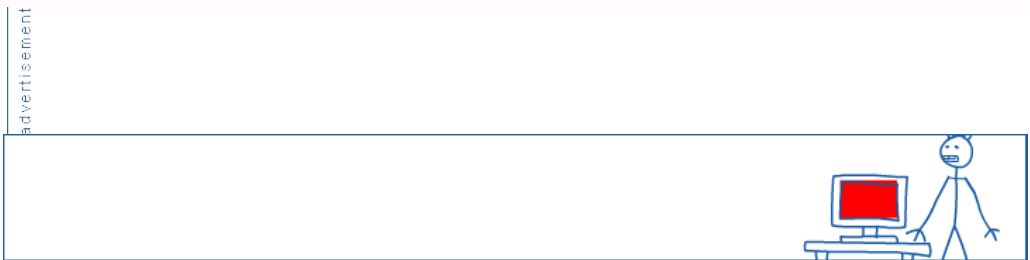
businessGreen

About Contacts Advertise Site map RSS

SEARCH BusinessGreen Google

businessGreen

Home **News** In-depth Blog Audio/Video Forum Resources

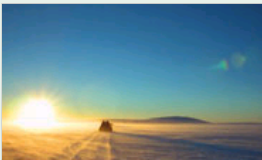


BusinessGreen > News > Datacentre

Galileo aims for datacentres in a cold climate

Datacentre design specialist predicts climate will become a key factor in locating new server farms as energy demand from cooling systems continues to climb

James Murray, BusinessGreen, 29 Jan 2008



The case for locating datacentres in colder climates will strengthen significantly over the next decade as firms face increased pressure to cut the energy and carbon footprint of their IT infrastructure.

That is the view of Julian King, chief executive at datacentre design and development firm [Galileo Connect](#), who today outlined plans to pursue a new approach to datacentre location and design that could cut carbon emissions and energy costs by up to 60 per cent compared with conventional service farms.

"There is initial reluctance to look at locating datacentres in cold climates as it is not the industry norm," admitted King. "But logically when a huge drain on energy is cooling a datacentre, why would you not want to be in a colder climate?"

Opposition to remote datacentres will dissipate over the next five to 10 years, King predicted, as energy costs rise and legislation governing carbon emissions forces firms to investigate ways of reducing the energy intensity of their IT infrastructure.

However, he warned that for such savings to be realised, governments would have to invest in the necessary supporting infrastructure, such as power supplies and increased bandwidth. "The success of these types of datacentres rests on someone being willing to invest up front in the supporting infrastructure and that type of investment should happen at the governmental level," he argued. "It is like an emerging tourist resort; the airport needs to go in first to make it a success and that is up to the government, not

advertisement



resources


 **TUC Sustainable Workplace**
The TUC's Sustainable Workplace initiative offers employees information on how to help green their organisation

 **DEFRA**
The Department for Environment, Food and Rural Affairs (DEFRA) website provides information on all the government's environmental policies and regulations

[More resources](#)

forums

Take part in the green debate

 **Electric cars - any good?**
Share your experiences of

advertisement



<http://www.businessgreen.com/business-green/news/2208345/galileo-aims-datacentres-cold>

the travel operator."

Galileo Connect recently began work on a major green datacentre project in Australia based around these principles that the company intends to use as a model for its future datacentre designs.


King said the Canberra location was chosen mainly due to the region's cooler climate compared to the rest of Australia, adding that the 240,000 square foot facility would also be located next to a new 120MW gas fired power station in an effort to further enhance energy efficiency and cut carbon emissions. " The project is the planning phase and we intend to use all the latest systems to cut energy use, including deploying short runs of pipe and cables to minimise energy loss and reusing waste heat from the power plant," he explained.

In related news, UK-based [eLINIA](#) today became the latest web hosting provider to offer customers a carbon neutral service after announcing it has signed a deal to rent space in a biomass-powered datacentre in Slough.


James Carnie, technical architect at eLINIA, said that in addition to the new carbon-free service the company was also offering customers the opportunity to offset emissions associated with hosting provided at its existing Cardiff datacentre.

[Permalink](#) [Comments](#) [Forward](#) [Print](#)
[digg](#) [del.icio.us](#) [reddit!](#)

Related content

 **Renewables**
● **Urban wind turbines come of age**
Critics claim they are just a green gimmick, but evidence is mounting that wind turbines in urban locations should not be discounted 12 Nov 2007

IT Management
● **Audiovisual - News in brief**
A summary of the news in the audiovisual arena this week 03 Sep 2007


 **Offsets**
● **Continental debuts offset service**
US carrier becomes the latest airline to allow customers to offset emissions when they buy tickets 11 Dec 2007

 **Management**
● **City of London launches new climate pledge**
City firms urged to sign up to climate change commitment that will see them disclose carbon emissions and energy saving strategies 22 Oct 2007

Ecommerce
● **Canon emerges as green champion**
Amazon, eBay and Apple among worst performers in new survey 22 Jun 2007

Latest news


 **Facilities**
● **EU accused of "shocking" failure over green building laws**
New report finds majority of EU states have failed to fully adopt legislation governing building energy efficiency 29 Jan 2008


 **Transport**
● **Air France vows to cut emission by up to a fifth**
Air France KLM becomes latest carrier to unveil environmental plans, including commitment to support aviation's inclusion in Europe's emissions trading scheme 29 Jan 2008


 **Datacentre**
● **Galileo aims for datacentres in a cold climate**
Datacentre design specialist predicts climate will become a key factor in locating new server farms as energy demand from cooling systems continues to climb 29 Jan 2008

[More news](#)

Latest in-depth

 **Analysis**
● **To capture CO2, just add calcium silicate**
Dr Paula Carey of UK start up Carbon 8 Systems explains how an innovative new carbon capture technology built around a simple chemical process has the potential to cut carbon emissions from waste incinerators and save businesses money 29 Jan 2008

 **Analysis**
● **Are you targeting the correct green consumers?**
Traditional means of marketing


 **Buying and using environmentally friendly vehicles** 02 Oct 2007

 ● **Efficiency and finance**
Talk about the bottom-line implications of adopting more sustainable business models 02 Oct 2007

 ● **Building a greener business**
Discuss the steps firms are taking to control and reduce their environmental impact 02 Oct 2007

[More forums](#)

blog

 BusinessGreen's editors offer their take on the the latest green news

Latest posts

● **The Week in Green**
So the European Commission has finally gone and published its Climate Change Action Plan and very impressive and wide-ranging it is too.... 25 Jan 2008

● **Can you remember what you were doing in 1996?**
Personally, I was sitting my GCSEs, watching England come heart-breakingly close to winning Euro 96, and getting up to the kind of... 25 Jan 2008

[More from the blog](#)

your comments

Your views on the news

● **Record recycling fine for UK wine importer**
Comment: **How much should Importer have paid**
The importer was fined £230,000..... how much would it have cost them to pay the required fees?

[Have your say](#)

● **Green datacentres take to the high seas**
Comment: **How are the servers at sea powered?**
Interesting idea. I wonder how the servers will be powered. The article says "backup generators will use biodiesel-powered fuel," but what about the primary source? Are we talking nuclear? Diesel? Less cooling so less energy, but...

[Have your say](#)

[Read all the latest reader comments](#)



advertisement

<http://www.businessgreen.com/business-green/news/2208345/galileo-aims-datacentres-cold>

by demographics simply will not work for green consumers, you need to be able to identify how they behave... 25 Jan 2008



Analysis
Cheat Sheet: Europe's Climate Change Action Plan
BusinessGreen wades through the European Commission's plans for a low carbon economy - so you don't have to 24 Jan 2008

[More in-depth](#)

What do you think?

[Post your comment](#)

[Send an email to the Business Green editor at \[feedback@businessgreen.com\]\(mailto:feedback@businessgreen.com\)](#)

Reader comments for this story

[Post your comment](#) [What is this?](#)

Ads by Google

Beijing Games 2008 China

Packaged Holidays to Sports Event. Flights, Hotels & Event Tickets.
www.olympic-vacations.com

TCT 2008

Cardialysis CRO in Cardiology Meet us at the TCT
www.cardialysis.com/TCT

2008 British Standards

The Latest 2008 British Standards Buy Online - Next Day Delivery
www.StandardsUK.com

Internships & Jobs Abroad

1000+ International Internships and Jobs for 2008. Join today!
www.iHipo.com

Beijing Olympics Rental

Apartment rental or accommodation during 2008 Beijing Olympics
2008.ToRent.cn

Site credentials . [About us](#) . [Privacy policy](#) . [Terms & conditions](#) . [Site map](#) . [Bookmark this site](#) . [Advertise](#) . [Accessibility](#)

Categories . [Carbon trading](#) . [Client](#) . [Climate Change](#) . [Datacentre](#) . [Education](#) . [Efficiency](#) . [Facilities](#) . [Finance](#) . [Incentives](#) . [Internet](#) . [Investment](#) . [Legislation](#) . [Management](#) . [Marketing](#) . [Mobile](#) . [Offsets](#) . [Politics](#) . [Printing](#) . [Procurement](#) . [Recycling/Disposal](#) . [Renewables](#) . [Risk](#) . [Supply chain](#) . [Technology](#) . [Transport](#) . [Video](#) . [Workplace](#)

Business Technology websites:

BusinessGreen Business green news, resources, blog, podcasts

The Inquirer Technology, chips, memory, graphics, servers, hardware reviews

Computing Business technology news, ecommerce, government, security, business podcasting **IT Week** News for IT managers, podcast, blogs, expert comment, hardware reviews, white papers

Computing Business Agenda Setters, Leadership, Boardroom, Best Practice, webinars

vnunet.com Technology news, Silicon Valley Sleuth, blogs, forums, podcast, downloads

CRN Channel news, distributor directory, business hardware reviews

Jobs & Recruitment websites:

Accountancy Age Jobs Accountant jobs, jobs in finance, audit jobs, cima jobs, acca jobs, corporate finance jobs, management accounting jobs, finance director jobs, finance recruitment agency directory, Top 50 accountancy firms, accountant salary survey

Computing Careers IT jobs, Programmer jobs, Developer jobs, IT manager jobs, Project manager jobs, SAP jobs, Oracle Jobs, Java Jobs, IT recruitment agency directory, Top IT Employers in the UK 2007

Inquirer Jobs Software Engineer Jobs, firmware developer jobs, electronics engineer jobs

Other titles in the Incisive Media network:

Business & Finance websites: [Accountancy Age](#) . [Best Practice](#) . [Financial Director](#) . [Management Consultancy](#)

Consumer Technology websites: [Active Home](#) . [Computeractive](#) . [Gizmodo](#) . [PC Magazine](#) . [PCW](#) . [WebActive](#) . [What PC?](#)

© Incisive Media Ltd. 2008

Incisive Media Limited, Haymarket House, 28-29 Haymarket, London SW1Y 4RX, is a company registered in the United Kingdom with company registration number 04038503