



DATA CLOUD GLOBAL CONGRESS 2019

MONACO, 4-6 JUNE

4-6 June 2019
The Grimaldi Forum, Monaco

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OPENING MINDS. CLOSING DEALS.

Opening hours	Wednesday 5 June: 08:00 - 19:00 Thursday 6 June: 08:00 - 13:00	
Social Media	 @DatacloudGlobal #DatacloudCongress	
Event App	The Datacloud App is proudly sponsored by MTU Onsite Energy. Using the app: • View profiles and interests of other attendees • Build a personalized schedule of sessions to attend • Schedule 1:1 meetings with other attendees • Join conversations about topics critical to our industry Downloading the app: • Search the Android & App Store and search for 'BroadGroup Events' • Sign into Datacloud Global Congress using the email you registered with • If you need any further assistance please contact enquires@datacloudcongress.com	Event App sponsored by 
Catering	All catering is included, tea coffee and water are available all day.	
Cloakroom	Located to the right on the main entrance.	
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Organiser's Office	This is located in the Ravel foyer at the front of the Exhibition hall.	
Toilets	The toilets are situated at the entrance of Ravel.	
Wi-Fi	Free Wi-Fi sponsored by Eversheds is available across the venue.  Username: Datacloud19 Password: Eversheds19	Free Wi-Fi sponsored by EVERSHEDS SUTHERLAND
Taxis	With professional and English speaking drivers, the private sedan, van or shuttle service will get you quickly to your destination at a reasonable rate, negotiated especially for this particular event, and fixed, even in case of flight delays or heavy traffic on the road. For special rates book on: www.easytransferriviera.com/event/datacloud-europe-2019 Helicopter: Upon receipt of your request, you will receive a confirmation by mail with all related costs, pick up times. The service is granted upon receipt of the full prepayment. Kindly note in case of bad weather condition a ground transfer will be provided. www.easytransferriviera.com/easy-transfer-riviera/index.cfm/event/datacloud-europe-2019/helicopter	

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DATA CLOUD GLOBAL CONGRESS 2019

MONACO, 4-6 JUNE

A warm welcome to Monaco and to Datacloud Global Congress 2019



We are delighted to welcome you once again to Datacloud Global Congress, the 15th edition of what has become the premier forum for data centre, hosting, cloud and edge players, their customers and investors.

Our principal aim is to provide both critical content that can inform the latest in business and technology intelligence as well as high-level networking that generates real tangible commercial outcomes.

The 2019 conference kicks-off with an exciting new partnership between BroadGroup and Vapor IO to bring Edgecon to Monaco. Curated by industry peers the event brings together leaders for visionary presentations, brainstorming, and high-impact networking. The conference features top public cloud providers, IoT practitioners, infrastructure owners, wireless operators and edge computing developers, who discuss real-world deployment of edge computing, define requirements for early deployments and create powerful networking opportunities with potential partners and customers. We will be continuing the partnership at select events in our portfolio, including Edge USA in Austin this November.

This year also sees a newly expanded agenda, with the addition of two new theatres and content streams for the conference. On June 5th, Data Economy's Finvest provides a deep dive into trends and activity in the finance and investment of DC, cloud and communications infrastructure globally. June 6th meanwhile provides an opportunity to put China's burgeoning digital leadership under the microscope, exploring the development of the nation's digital economy and the country's rise as a global exporter of technological innovation.

The Datacloud Awards is also expanded, recognizing innovation and excellence in data centre, cloud, edge and individual achievement across the globe. Complementing the new global remit, we have also added categories in edge infrastructure and awards recognizing expertise in finance and investment. I would like to offer my personal congratulations to all those shortlisted and the winners.

Monaco forms the cornerstone of our global event portfolio and we hope you will also join us later in the year to continue the discussion at our regional events in Accra, Dublin, Austin and Copenhagen. More announcements will follow. Datacloud events remain the foremost networking and business deal making forums for data centre, cloud and edge players, their customers, investors and suppliers.

In the meantime, we hope that your time at Datacloud Global Congress is a productive opportunity for your business and that you enjoy the unique and truly exceptional Monaco experience.

Please enjoy, connect with colleagues old and new and most of all do deals!

Philip Low
Chairman

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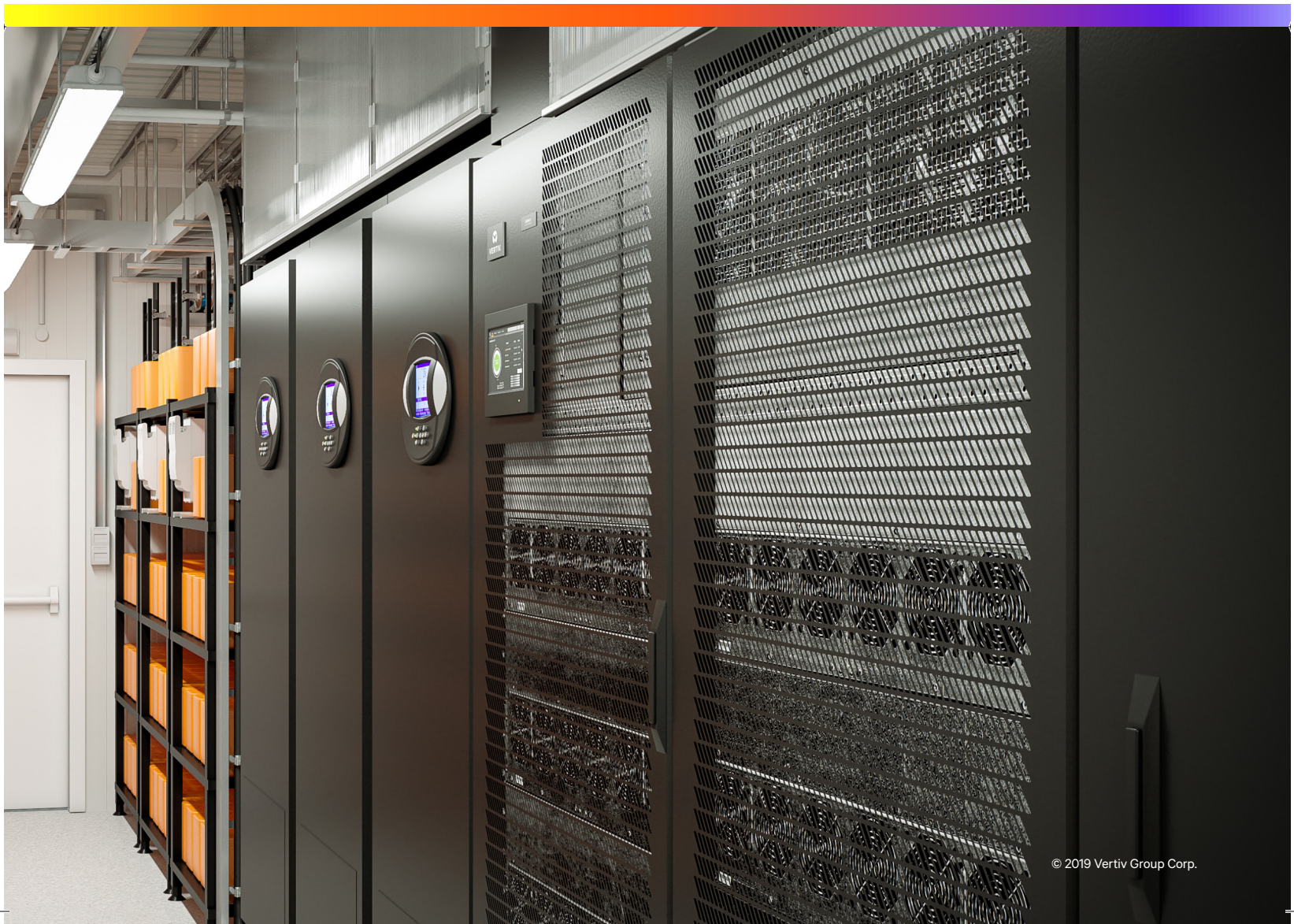
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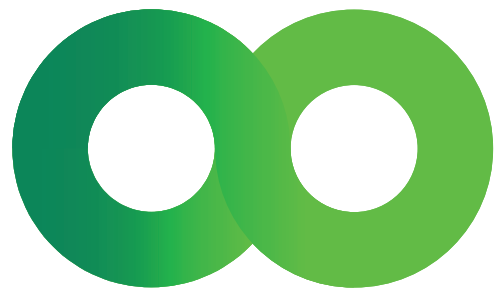


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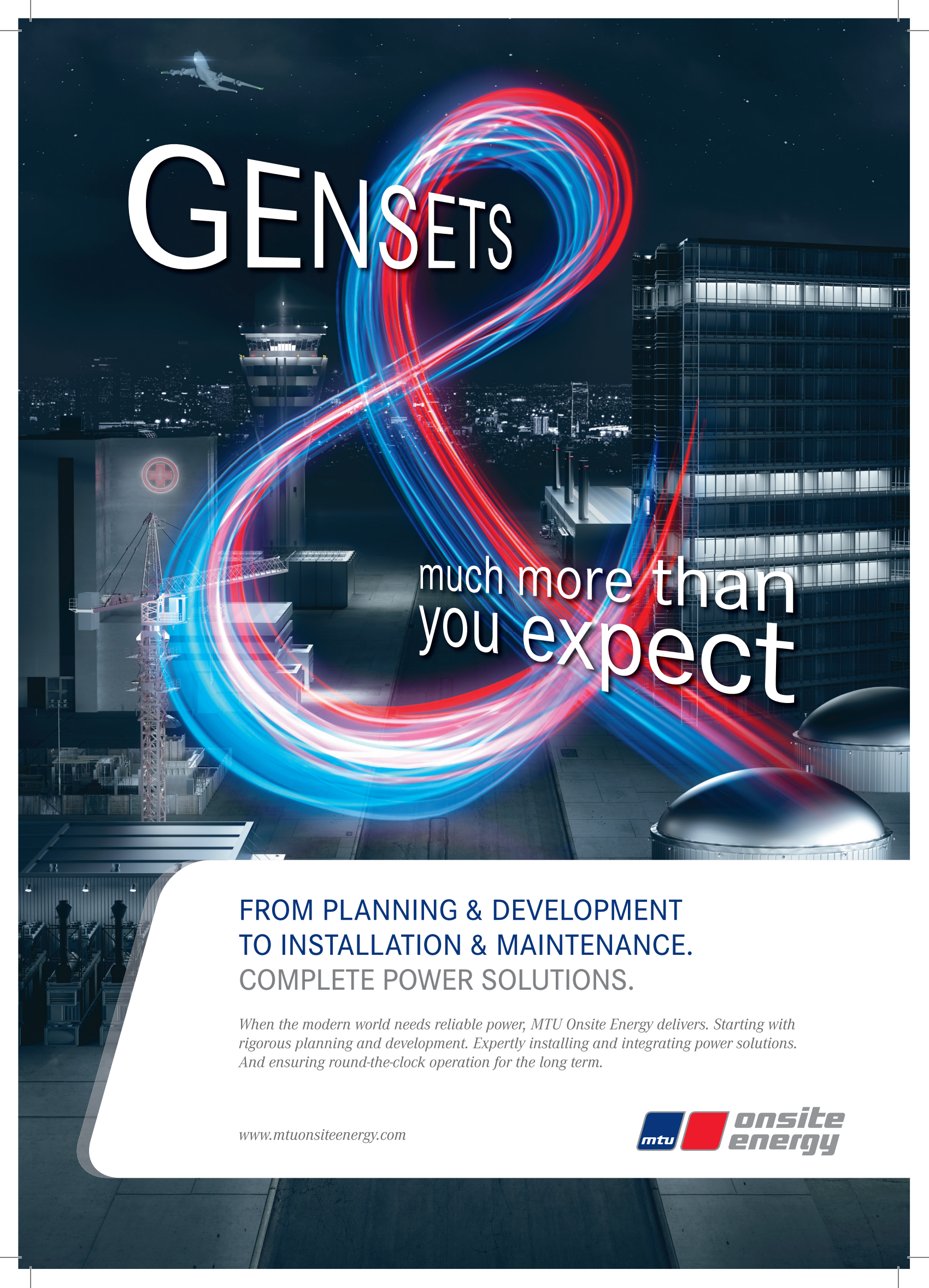


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<https://www.eudca.org>

POLICY

Do you want to be at the table ... or on the menu? The biggest changes in 20 years are just around the corner - are you going to be part of the debate, or will your business be eaten up by new regulation?!



MARKETING

Do you have access to a global marketing platform ... or would you like to use ours? Gain access to markets that you might otherwise find difficult to access. The EUDCA can help you to access those markets that you'd like to target.

TECHNICAL

Would you like to be part of the team that are influencing technical developments in the industry? Be part of the discussion and contribute to the evolution of technologies adopted for use by the data centre industry.



The European Data Centre Association (EUDCA) represents the interests of the European commercial data centre operator community, politically, technically and commercially.

Through our work at a European level we are helping to shape the data centre industry of the future.

Our global marketing platform means that our members gain exposure into markets that would otherwise be unreachable. Our members are doing business others don't even know about!

Established in 2011 under Belgian Royal Decree, the EUDCA is a non-profit association run by its members, for its members.



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GLOBAL CONGRESS
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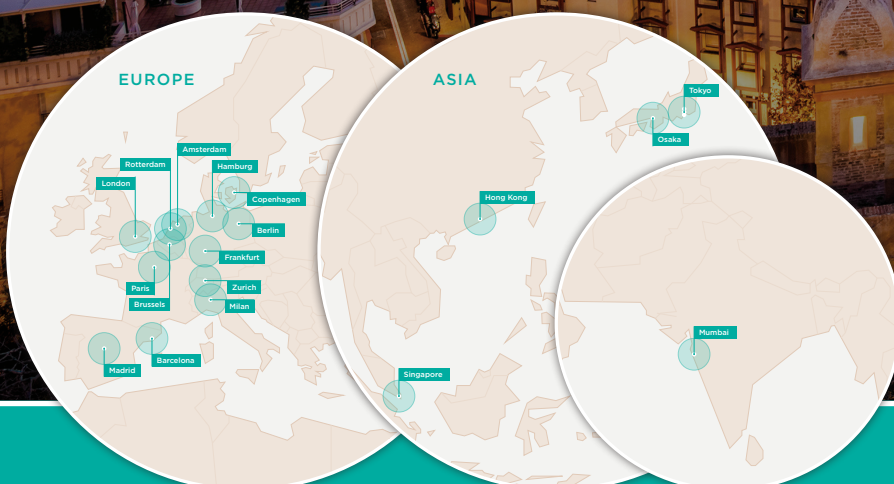
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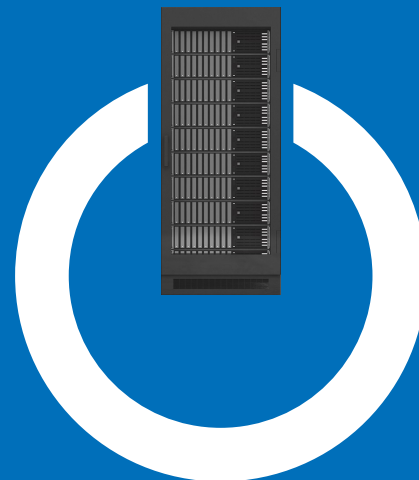
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Our experienced
global data center team



Meet us in Monaco

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How we can help you

We provide a distinct blend of specialist legal advice to data center owners and operators, funders, investors and users, on a global basis covering many different legal disciplines:



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Construction



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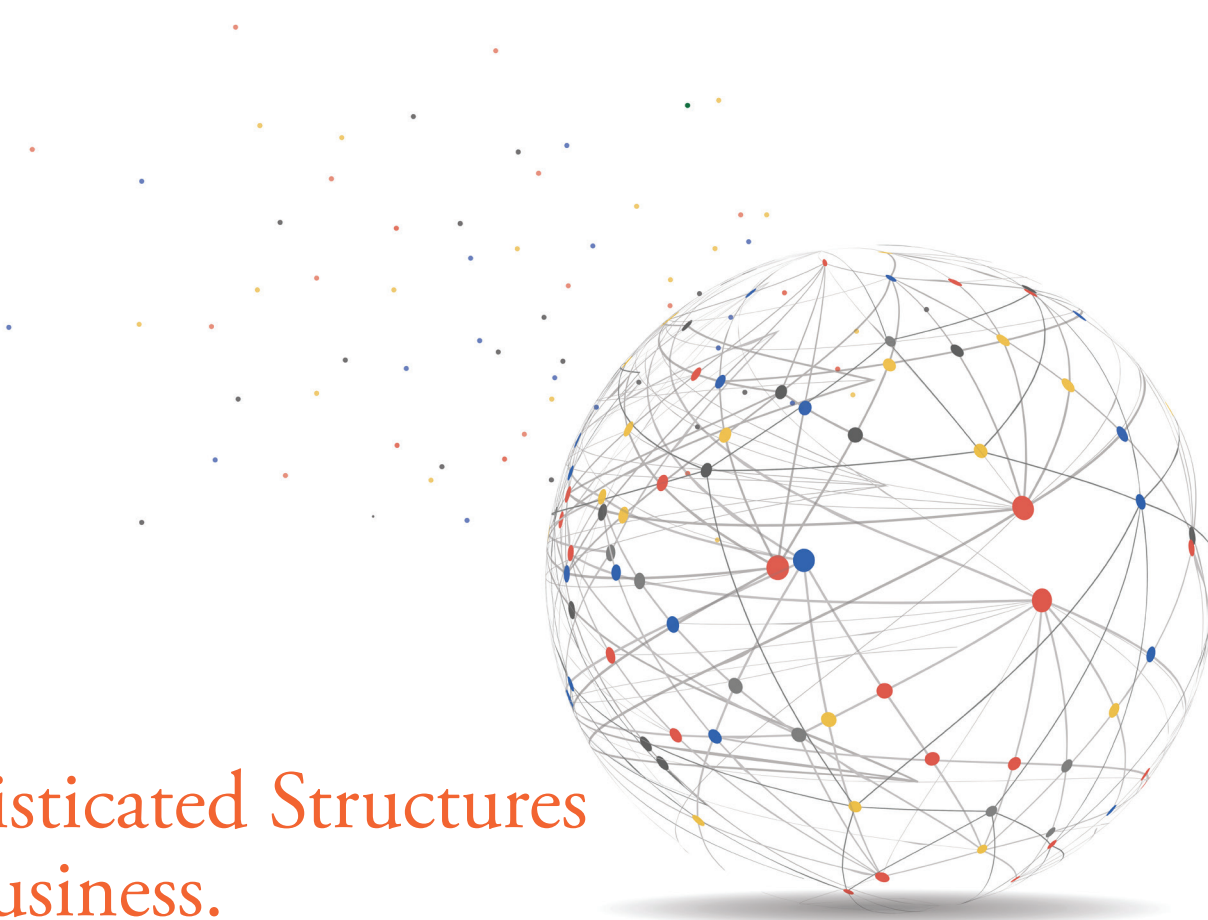
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Our lawyers are collaborative and team-oriented, always seeking solutions that best service our clients.

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Locke Lord is pleased to sponsor Datacloud Europe 2019.

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A man and a woman are standing in a server room. The man is on the left, wearing a grey sweater over a white collared shirt and dark trousers. The woman is on the right, wearing a white button-down shirt and dark trousers, holding a tablet and pointing at it. The background shows server racks and a glowing blue digital network overlay with nodes and connecting lines.

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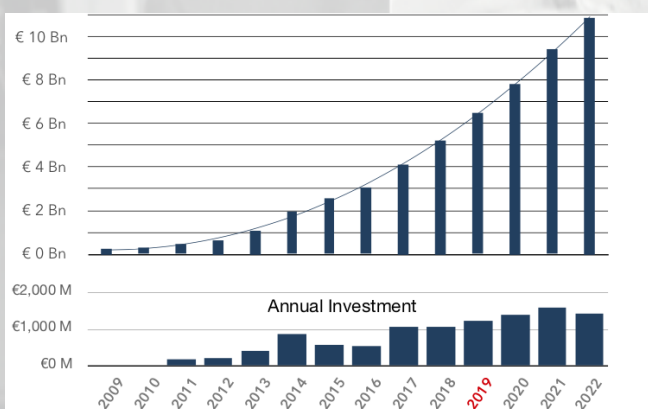
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Includes 20 MW Private

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* Jones Lang LaSalle: JLL EMEA Data Centre Q.4 2018 Market Review





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The logo for e-shelter, featuring the text "e-shelter" in a red, sans-serif font. The background of the entire page is a photograph of a modern data center interior, showing white server racks, overhead cable trays, and a clean, minimalist design.

e-shelter

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e-shelter is one of the leading data center operators in Europe, currently leveraging 400MVA of power capacity across eleven European locations, including Amsterdam, Frankfurt, Vienna and Zurich. We are expanding throughout Europe, with London under construction and further sites in planning stage including Madrid.

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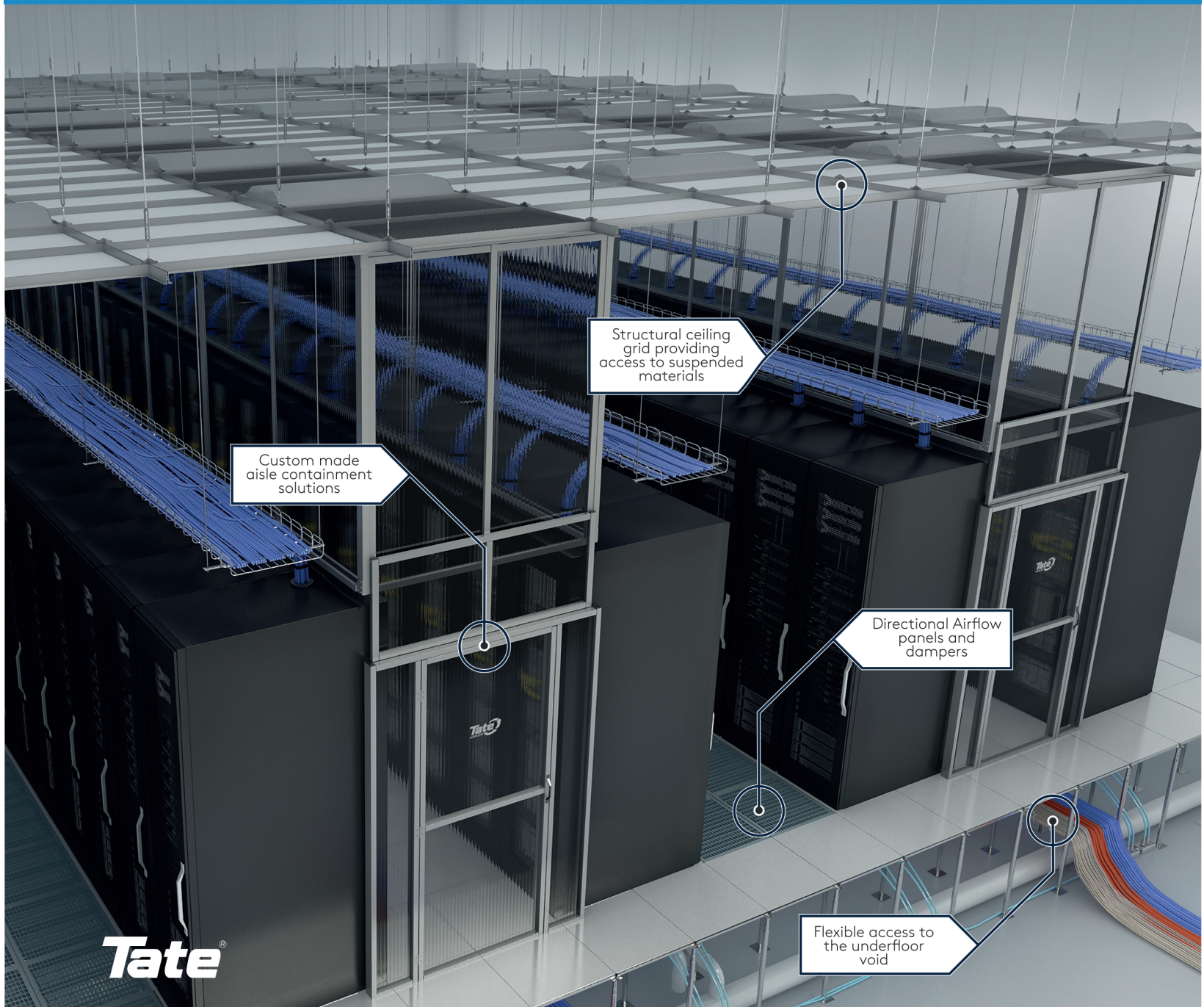
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DATA CLOUD GLOBAL CONGRESS 2019

MONACO, 4-6 JUNE

4-6 June 2019
The Grimaldi Forum, Monaco

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04

JUNE 2019

EDGECON

Indigo Suite

Please note the programme is subject to further updates.



Vapor IO's Edgecon, a curated event, brings together industry leaders for visionary presentations, brainstorming, and high-impact networking. The conference series features top public cloud providers, IoT practitioners, infrastructure owners, wireless operators and edge computing developers, who discuss real-world deployment of edge computing, define requirements for early deployments and create powerful networking opportunities with potential partners and customers.

10:00 Registration

10:30 Welcome and State of the Edge Highlights

The State of the Edge 2019 report collects the latest research and analysis on edge computing. Supported by original research, the report includes comprehensive market sizing and detailed analysis of the drivers and use cases which are pushing edge computing forward in 2019.

10:50 The Next 20 Billion Devices

Machines will be the majority of users on the next-generation internet. Many billions of them, far outnumbering the human population, will connect to the network and generate unprecedented amounts of data. How can edge computing make supporting all of these devices practical?

11:30 Economic Drivers of Edge Computing

The amount of data created at the edge is set to grow exponentially, and the cost of sufficient backhaul capacity to transmit it all back to the centralized cloud remains high. How can a large number of edge data centers address this and other economic challenges for the internet?

12:30 Infrastructure Convergence

Transformative technologies such as NFV, SDN and C-RAN are reshaping the core network, and this merging of network and compute is pushing to the edge. At the same time, the wired and wireless network worlds are converging. What will become of the last mile infrastructure?

13:30 Lunch

14:30 Close of Forum



DATA CLOUD GLOBAL CONGRESS

Central Theatre



08:00 Registration Opens

Theatre Chair: Iain Gillot, President, iGR

09:00 The Multi-Billion-Dollar Success that Wasn't: DCIM and the Evolution of Data Center Management

DCIM was supposed to solve the complex challenge of managing data center facilities. Although many data centers use DCIM, it is far from the multi-billion-dollar success that was predicted a decade ago. The industry failed to fully deliver on DCIM's promise: it provided tools that were over-engineered and difficult to implement and maintain.

Some say DCIM is dead. With apologies to Mark Twain, we believe reports of DCIM's death are greatly exaggerated. In our complex hybrid computing world, it's likely the need for DCIM will be greater than it was in the past. Next generation cloud-based tools are emerging: they are more secure, intuitive, insightful, flexible, and resource efficient than DCIM as we've known it. In this session, we'll discuss DCIM's past, present, and future including key attributes that have become essential to successful operations and maintenance. Long live DCIM!

Kevin Brown, Senior Vice President of Innovation & CTO, Schneider Electric, IT Division

09:35 Datacloud Global Congress Global Leadership Panel

Our panel of global leaders in the mission-critical infrastructure landscape discuss some of the key trends, technologies and challenges in the global market.

Introductory presentation:

William Barney, Chairman and CEO, Global Cloud Xchange

Chair: Michael Tobin, Industry Entrepreneur

William Barney, Chairman and CEO, Global Cloud Xchange

Tesh Durvasula, President - Europe, CyrusOne

Antonio Nunes, CEO, Angola Cables

Christopher Sharp, CTO, Digital Realty

10:25 The Infrastructure Masons Global Advisory Council Panel - Connect, Grow Give Back

Dr. Julie M. Albright, Digital Sociologist and iMasons Board Member

Oliver Jones, Secretary, iMasons

Dean Nelson, Founder and Chairman, iMasons

Eddie Schutter, Board Member, iMasons

11:05 Morning Coffee Break

11:20 Re-architecting a Customer-Centric Internet: from the Hyperscale Core to the MicroEdge

Network, mobile, cloud, IoT and other service providers are re-architecting the internet to a more multi-directional dynamic infrastructure to cope with the volume and velocity of content, applications, and data that is placing an unprecedented burden on today's network infrastructure. The need to build out Edge infrastructure that enables a more distributed platform will be critical to alleviate the traffic bottlenecks that a uni-directional download centric model inhabits. Working with and collaborating with all the service providers to build out a more ubiquitous and interconnected Edge has been the business for EdgeConneX over the past 6 years. Join Phillip Marangella, CMO of EdgeConneX and Giordano Albertazzi, President EMEA, Vertiv for a fireside chat to discuss this shift in architecture and related customer use cases.

Giordano Albertazzi, President EMEA, Vertiv

Phillip Marangella, CMO, EdgeConneX

- 11:40 Keynote Presentation - Huawei**
Michel Fraisse, VP, Europe, Huawei
- 12:00 Finding the Speed to Innovate - a Scenario-Based Assessment from Green Mountain**
Tor Kristian Gyland, CEO, Green Mountain
- 12:25 Could the Global CO2 Challenge be an Opportunity for your Business?**
Christoffer Svanberg, Chief Communications Officer, Node Pole
- 12:45 Views from the Edge: From Hyperlocal to Hyperscale**
Conventional wisdom perceives edge data centers as very small facilities located in Tier 2 or 3 markets, however the Edge can exist in both major metros as well as secondary locations and they can also range in size from 10kW to well over 10MWs. The key is that the Edge is defined by the customer, not the provider and it must be integrated with core data center facilities to provide a complete continuum of solutions for customers. EdgeConneX CMO, Phillip Marangella, talks with Infrastructure Masons about the varying customer uses that are driving the growth of the Edge
Simon Allen, Executive Director, Infrastructure Masons
Phillip Marangella, CMO, EdgeConneX
- 13:05 Lunch**
- 13:50 How to Better Manage Your Cloud Infrastructure**
Ofer Lior, Regional Business Development Manager - Data Center Software Solutions, Intel
- 14:10 How Seamless Integration Creates the Data Center of the Future**
Giuseppe Leto, Global Portfolio Manager, Siemens
- 14:30 Keynote Presentation - Chindata**
Sandy Xiao, Chairman, Chindata
- 14:50 Data Center Opportunities and Challenges in the 5G Era**
Andreas Grewing, Senior Director, Head of Telecom Power Solutions, Delta EMEA
- 15:10 Industry Leaders Fireside Chat**
Listen as two industry experts share best practices and proven strategies to support growing demand for specialised AI Hardware. Topics will include:
- Why on-premise data centers are not up to task for AI and Deep Learning workloads
 - Infrastructure, super storage and security criteria of an AI-ready data center
 - The management and design expertise needed for successful implementation
- Chair:** Tom Berry, CEO, Chameleon
Elan Raja, CEO, Scan
Bart Schneider, Senior Director, EMEA, Nvidia
- 15:40 Afternoon Coffee Break**
- 16:10 Discover the Edge - The Digital Value Chain**
IIoT is one of the major trends transforming the IT landscape. The amount of data generated cannot be handled by hyperscale / cloud data centers alone. It implies a significant growth of edge data centers to cope with increased volume and respond with a very short latency. The presentation outlines the Rittal experience in a complete Industry 4.0 landscape from Web-based configuration, order processing, automated production to an in-time delivery. The presentation underlines the importance of the digital value chain and the necessity of edge data center for innovative services (digital twin, analytics, and predictive maintenance).
Andreas Keiger, EVP - Business Unit IT Infrastructure, Rittal
- 16:30 Keynote Presentation**
Cole Crawford, CEO and Founder, Vapor IO
- 16:50 Deploying Compute at the Edge - Understanding What and How to Deploy**
Martin Levy, Network Strategy, Cloudflare
- 17:10 Panel Discussion: From Hyperscale to Micro - Designing for Emerging Applications and Future Data Center Requirements**
The move towards the digital economy and industry 4.0 will see an ever increasing dependency on data center infrastructure. Increased requirements for cloud services, blockchain, HPC, AI, IoT/OT, quantum computing and edge services are just a handful of technologies impacting industry and supporting infrastructure.
How will these technologies be reflected in the way data center infrastructure is designed and operated?
How can existing DC infrastructure be upgraded to support new workloads and technologies?
From hyperscale to micro what do operators need to take into account?

Chair: Philip Collerton, Chief Revenue Officer, Uptime Institute
Brian Davis, Data Center Segment Lead, Americas Region, ABB
Justin Jenkins, CEO, NGD
Peter Lambrecht, VP, Key Accounts EMEA, Vertiv
Kamlesh Patel, Director, Global Data Center Solutions, CommScope

17:40 End of Day One

05

JUNE 2019

DATA CLOUD GLOBAL CONGRESS

Theatre 2



Theatre Chair: Conor Plant, Partner, Hardiman Telecommunications

10:30 Keynote Presentation

Ronald Hendriks, Partner/Head of Commercial Group, Bird & Bird

11:00 Market Under the Microscope: Germany

This session takes magnifying glass to one of Europe's key economies and data center markets. Our speakers discuss investment opportunities, pitfalls, strengths, market nuances and future developments to keep an eye on - and ultimately why to go there in the first place.

Chair: Alexander Hauser, Managing Partner, TTSP HWP

Brad Bauman, Partner, Alpha Real Capital

Denise Breen, Senior Project Manager, Iron Mountain

Kai Goh Chuen, Head of Investments (Europe), Keppel Data Centres

Mark Gregory, Managing Director, Penta Infra

Falk Weinreich, SVP, Colt Data Centre Services

11:30 Feasibility of a Diesel-Free Data Centre - a Greener Approach to Power Resilience

Mauro Leuce, Associate Director, Atkins

11:50 Delivering a Connected Society - How Can Industry and Government Cooperate to Deliver Future Infrastructure?

Artificial Intelligence, HPC and Robotics create lots of data that needs storage and processing.

Meanwhile being created all over Europe in order to cope with demand.

How can the Data Centre Industry respond to the new opportunities on offer?

Jeanette Nilsson, Project Leader, RISE SISC North

12:10 Developing Digital Hubs - Analysing Success Stories from Across the Globe

Silicon Valley, the Dulles Corridor in North America, the FLAP markets in Europe and Singapore, Seoul and Hong Kong in Asia - all are cited as key data center and digital hubs and examples of the infrastructure required to fuel our digital economy. What made these locations so attractive? Was it industrial, economic, political support, or a happy confluence of coinciding factors? How can markets looking to develop their attractiveness as digital infrastructure locations distinguish themselves? And what are the next digital hubs?

Chair: Vinay Nagpal, President, InterGlobix

Mark Bailey, Partner, Charles Russell Speechlys

John Kilmartin, Executive Director, ICT Division, Bahrain Economic Development Board

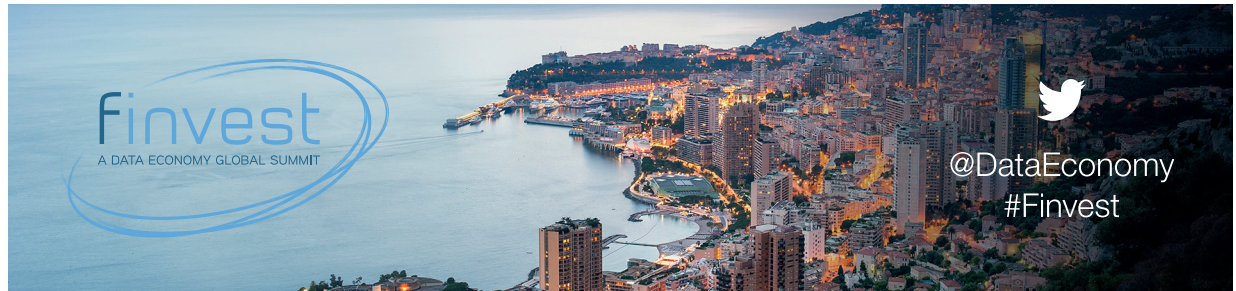
Buddy Rizer, Executive Director, Loudoun County, Virginia Economic Development

Tomas Sokolnicki, Head Data Centers by Sweden/Senior Investment Advisor ICT, Business Sweden

Henry Sutton, Head of Partnerships, DC Byte

- 12:40 Lower CAPEX & OPEX Generated by High Quality Cooling Design**
Karim Ait-Younes, Senior Regional Sales Manager, Head of Sales EMEA, STULZ GmbH
- 13:00 Lunch**
- 13:40 Asia's Digital Charge - An Overview of Digital Deployment and Investment**
Some of the largest market opportunities are in China, India and SEA. From hyperscalers to edge players, these three markets are awakening to a tsunami of investment forces that will connect the last unconnected parts of the world. This session looks at the drivers and opportunities for financiers and data centre operators across APAC, analysing the nuances of each market, capacity, investment potential and risk.
Chair: Steve Wallage, Managing Director, BroadGroup Consulting
Sunita Bottse, Managing Director, SUPERNAP Thailand
Eric Crabtree, Chief Investment Officer, IFC
Oliver Jones, Co-Founder and CEO, Chayora
Kok-Chye Ong, SVP/Head of Investments, Keppel Data Centres
Narendra Sen, Founder and CEO, RackBank Datacenters
- 14:00 Customer Panel Discussion - Hosted by Schneider Electric**
Chair: Steven Carlini, VP, Innovation and Data Center, Schneider Electric
- 14:30 The Future Workforce for the Data Center of Tomorrow (and Today)**
Workforce sustainability is a topic that has been under the microscope across engineering verticals for many years, but as demand continues to outstrip supply, without a conclusive solution in sight. Increasingly automated and intelligent systems can ease the problem, but how are individual organisations and the industry as a whole working to engage the future workforce? Further, as trends such as edge technologies and services evolve the nature of mission critical infrastructure, what is the impact on skill and training requirements?
Chair: Peter Hannaford, Founder and CEO, Datacenter People
Lee Kirby, Chairman & Co-Founder, Salute
Barry Shambrook, Chair of UK and Ireland District, BICSI
James Wilman, CEO, Future-tech
- 15:00 Case Study: Denmark - The New North European Digital Hub**
Steen Hommel, Director, Invest in Denmark
- 15:20 Panel Discussion: Women in Tech - Are We Missing 50% of the Workforce?**
The engineering and technology industries often appear stereotype bastions of a male dominated workforce. However internally, the sector is undergoing a long-term process of self-reflection. Here we examine what can be done to ensure a greater diversity in the workforce - drawing on experiences of women currently in the DC sector and those engaged in developing the sector's future workforce.
Chair: Stephanie Liston, Senior Counsel, Mischcon de Reya LLP
Amber Caramella, SVP Sales, Zayo Group
Michelle Senecal de Fonseca, Area Vice President - Europe, Citrix Systems
Katie O'Hara, VP, Stream Data Centers
Angela Leavitt, Founder/CEO, Mojo Marketing
Brooke Petosa, Senior Associate, Global Data Center Advisory Group, Cushman & Wakefield
- 15:50 Afternoon Coffee Break**
- 16:10 Edge Computing: a Real Opportunity or just another Buzz?**
Get the Answers from the Cloud Leaders - in association with France Datacenter
Chair: Olivier Micheli, CEO, DATA4 Group
Qunkai Liu, Country Manager France, South Europe & Israel, Alibaba Cloud
Francois Sterin, Chief Industrial Officer, OVH Group
Fabien Vieau, Principal - Data Centers Energy & Location Strategy - EMEA, Google
- 16:40 Panel Discussion: Efficiency Challenges and Opportunities in Data Center Operations**
Efficiency perennial focus when it comes to uptime in the data center. As server and compute demands have evolved, supporting infrastructure is also under pressure to keep pace. Here we explore how the evolution of the data center as whole influences operational efficiency, how this can best be measured and the opportunities for further cost and operational efficiencies.
Chair: Alex Rabbetts, Managing Director, EUDCA
Mikael Berggren, Director Business Development Data Center, Mission Critical Infrastructure Solutions (MCIS) Business Unit, Delta EMEA
Ciarán Forde, Segment Leader Data Center & ICT, EMEA, Eaton
Iain Hannaway, Key Account Manager, Data Centres – Energy Solutions, Wärtsilä Finland Oy
Mark Flanagan, Group Operations Director, Kirby Group Engineering
- 17:10 The Future of Cloud Storage Built on Blockchain and the Edge**
Dixon van Iersel, CEO, Support2U
- 17:30 End of Day One**

FINVEST

Genois Theatre / Théâtre Génois

Theatre Chair: Richard Hall, Founder and Chief Executive, CloudOrigin

10:20 Opening Address

João Marques Lima, Founder and Editor-in-Chief, Data Economy

10:30 Global Data Centre Colocation Update: The Hyperscale, Interconnection Drivers & Trends

The data centre colocation market is experiencing meaningful impact from hyperscale cloud platforms and interconnection is a critical piece to enable hybrid cloud environments. How is hyperscale going to further shape the data centre market in the near and long term? Which countries and markets will experience the greatest growth in data centre capacity in the next five years? Why is retail colocation growth slowing down and will this trend continue? Will the hyperscalers build their own data centres in the future and no longer lease from colocation providers?

Jabez Tan, Head of Research, Structure Research

11:10 Data Economy Leaders Debate

The world's leading TMT, data hosting, cloud, telco and PE firms debate the sector in a new stage format that will lead to the year's top panel discussion for the industry.

Chair: Alexander Ramirez, Managing Director - Global TMT Group, Citi

Eugene Bergen Henegouwen, President EMEA, Equinix

Sureel Choksi, President & CEO, Vantage Data Centers

Stephane Duproz, CEO, Africa Data Centres

11:40 Keynote Presentation

Randy Brouckman, CEO, EdgeConneX

12:00 Digital Infrastructure Financing

From fibre to 5G and new infrastructure, investment in the wider network to support the cloud is booming and shifting. For example, as hyperscalers invest billions in the build of new cables, the segment has become an attractive business case for investors. In this panel, the audience will be presentation with a compelling overview of the challenges and opportunities across investment in supporting and connecting infrastructure.

Chair: Tim Anker, Founder, Colo-X

Sicco Boomsma, Director TMT, ING

Pieter-Jan Bouten, Managing Director, Greenhill

Chris Hogg, Investment Director, Amber Infrastructure

Eddie Kilbane, CEO and Co-Founder, DataPlex Group

Steffen Leiwesmeier, Head of Financing, Digital Infrastructure, Hamburg Commercial Bank

12:30 Panel Discussion Sponsored by Greenberg Traurig LLP

Global leaders in the TMT and data center space will be discussing the key factors that drive TMT and data center investment and mergers and acquisitions.

Chair: Kemal Hawa, Partner & Shareholder, Greenberg Traurig LLP

Tesh Durvasula, President - Europe, CyrusOne

Tom Traugott, VP, Strategic Accounts, EdgeCore Internet Real Estate

13:00 Networking Lunch

14:00 Edge Investment Hotspots: What are the Next Big Edge Computing Destinations

Edge will be everywhere, but where should investments be done next? Competition is shooting up in Tier 1 markets, yet, the majority of the world's population resides outside these regional hubs.

This panel will discuss the development of edge markets and the strategy behind selecting and

developing services, whether that be to boost connectivity and delivery for specific applications and next generation services or to improve delivery in tier 2 hotspots or poorly connected environments.

Chair: Vinay Nagpal, President, InterGlobix
Randy Brouckman, CEO, EdgeConneX
Olivier Labbe, Co-Founder and CEO, CAP DC
Michael Ortiz, Practice Co-Leader, Keyser
Guy Willner, Founder and CEO, IXcellerate

14:30 From Shipping and Oil to Building a Digital Ecosystem

Smedvig has more than a 100-year story of managing successful companies within several industries and was incremental in building Stavanger as Europe's Oil & Gas Capital. After exiting the Offshore drilling operations in 2006, Smedvig has built a robust and well performing investment portfolio, which supports the forefront of digitalization and disruptive strategies through investments in companies like Green Mountain, Navtor, Cercare Medical, Your.MD and Veni, but also in tech enabled businesses through their London based private equity team. The Smedvig Family Office also has a portfolio of real estate and infrastructure funds, which again have invested in successful data center operations like DataIV and Cologix. The long-term ownership strategy has proven successful, and the Smedvig Family Office aims to continue to invest in disruptive companies with global ambitions supporting a digital and sustainable shift.

Chair: Marit Salte, CFO, Smedvig Family Office

14:50 Investing, Developing and Deploying Future Networks - A 5G Road Map

Chair: Duncan Clubb, Senior Director, IT Consulting EMEA, CBRE
Federico Boccardi, Principal Technology Advisor, Ofcom
Glenn Fitzgerald, EMEA CTO, Fujitsu

15:20 M&A and Expansion in a Thriving Data Center Landscape

Global M&A and investment in the data center sector continues unabated at record levels. A bullish market for data center services across the globe is attracting operators and investors to consider new opportunities driven in large part from North America into Europe and also Asia. In this discussion we consider the key developments driving global expansion, the strategy behind developing new geographical markets and how this impacts the global data center landscape.

Chair: Miles Loo, EVP, Newmark Knight Frank
Eric Crabtree, Chief Investment Officer, IFC
Matthew Dent, CCO, Global Switch
Hossein Fateh, Chairman & CEO, CloudHQ
Avner Papouchado, CEO, ServerFarm
Madonna Park, Managing Director, RBC Capital Markets
Jonathan Schildkraut, EVP, Chief Strategy Officer, CyrusOne

15:50 Networking Break

16:10 From Conception to Exit - DC Investment Case Studies

Each infrastructure project, local geography, or change to location, financial model and market comes with it's own nuances. Here we explore experiences of data center investors from initial proposal to exit. Through these first-hand experiences, this session looks at the drivers and opportunities for financiers and data centre operators across the regions, analysing the nuances of each market, capacity, investment potential and risk.

Chair: Michael Tobin OBE, Industry Entrepreneur
Ralph Choufani, Principal, ABRY Partners
Fernando Chueca, Managing Director, Carlyle Europe Technology Partners
Pierre Pozzo, Principal, Permira
Rupert Robson, CEO, Torch Partners

16:40 Private Equity and Institutional Investor Panel

As the market has matured, a number of private equity and institutional investors have emerged as discrete investors in the data centre environment. The panel will explore what investors are looking for from their investments, what projects types are currently attractive, the expertise they bring to the table, projections for future investment and emerging risks for private equity investors.

Chair: Philbert Shih, Managing Director, Structure Research
Daniel English, President and Co-Founder, Legacy Investing
Jeffrey Ferry, Director, Goldman Sachs
Jeffrey Krogh, Managing Director, BNP Paribas
Christof Hammerli, Head Digital Infrastructure, Landmark Dividend
Isaac Vaz, Director - Infrastructure Equity, Aviva Investors.

DATA CLOUD GLOBAL CONGRESS

Central Theatre



Theatre Chair: Dean Bubley, Founder and Director, Disruptive Analysis

10:10 Creative Solutions that Help Improve the Top Line and Bottom Line for MTDC Providers and Their Tenants

Sander Kaempfer, Strategic Account Manager Global Accounts, Panduit

10:30 Building the Next Generation of Immersive Applications using the Power of Edge

The next wave of applications will be more pervasive and immersive than anything we have seen to date. Years of market research have uncovered demand for edge use cases across several key verticals, however concerns around privacy, control and trust will require solutions that are systematically designed, allowing application developers to focus on delivering incredible user experiences. Sunay Tripathi, CTO & EVP of Engineering & Product, MobileEdgeX

10:50 The Data Center, Cloud, The Edge and 5G - Opportunities and Bottlenecks (and Overpromising)

The interplay between the core and the edge has been one of some discussion in recent years, as incumbent infrastructure providers and customers explore edge technologies will influence their existing strategies. The potential promise of 5G has seemingly only further muddled the waters. Here we seek to explore the reality on the ground and what the future landscape of cloud, edge and 5G technologies will look like.

Chair: Dalia Adib, Practice Lead - Edge Computing, STL Partners
Giordano Albertazzi, President EMEA, Vertiv
Steven Carlini, VP, Innovation and Data Center, Schneider Electric
Ronald Hendrikx, Partner/Head of Commercial Group, Bird & Bird
Sander Kaempfer, Strategic Account Manager Global Accounts, Panduit
Loren Long, Co-Founder and Chief Strategy Officer, DartPoints Data Centers

11:20 The Edge Marketplace - Bigger than the Internet

Mark Thiele, Director Engineering, Edge Compute, Ericsson

11:40 Telefonica Case Study: Deploying Edge Services in Spain and Brazil

Patrick Lopez, VP Networks Innovation, Telefonica

12:00 Supporting Future Networks - Convergence in Communications Infrastructure

Mission critical service delivery is set to be built on the back of increasingly diverse classes of communications infrastructure to support highly specified application requirements of latency, availability, security and redundancy. Here we will explore the development of communications infrastructure for the future generation of network and application delivery - including, tower and rooftop antenna site; data centers; fiber and back-haul; cloud storage; and, small cell, DAS and WiFi. Marc Ganzi, CEO & Co-Founder, Digital Bridge Holdings

12:20 Panel Discussion: New Cloud Models - Managing a Diverse Digital Ecosystem

On-prem is far from dead. Rather the trend toward dispersed networks and edge infrastructures/technologies is seeing an evolution in hybrid cloud infrastructures. How should enterprise draw the line between on-prem and cloud? What is driving demand for hybrid provision? How are cloud providers evolving their product to support customers? And how does this impact the business model underpinning cloud economics?

Chair: Wylie Nelson, VP - Product and Land Acquisition, EdgeCore Internet Real Estate
Yonit Goldberg, Co-Founder, 11Stream
Joshua Noll, Director Internet Performance Engineering Group, Netskope
Daniel Szczesniewski, CEO, Atman

13:00 Close of Conference and Networking Lunch

DATA CLOUD GLOBAL CONGRESS

Theatre 2



Theatre Chair: Gerd Simon, Managing Director, DC-Datacenter-Group GmbH

10:20 Panel Discussion: Advances in Data Center Cooling

Data center cooling has always been an integral part of operations and efficiency, with continuous advances over the years. Here we explore how different models and methods are evolving to meet the challenges of increasingly diverse data center deployments - from hyperscale to edge - and the workloads in the data center itself.

Chair: Rabih Bashroush, Director, Enterprise Computing Research Lab, University of East London
 Alberto Carpita, Data Center Business Developer, Siemens
 Henry Daunert, Senior Consultant, Datacenters, Systemair
 Daniel Pope, CEO, Submer Immersion Cooling

10:50 Panel Discussion: Legal and Regulatory Developments for the Global Cloud and Communications Infrastructure Sector

Data center and cloud - along with all communications infrastructure - is almost by default a sector that spans the globe. Whether that be through single portfolios or interconnected and interdependent networks. However this also means exposure to multiple regulatory and governance regimes. Here we pick out some of the recent global developments impacting data center and communications infrastructure and the implications there could be for service investment and management.

Chair: Kemal Hawa, Partner & Shareholder, Greenberg Traurig LLP
 Garry Connolly, Founder and President, Host in Ireland
 Dr. Lutz Schreiber, Partner, Eversheds Sutherland
 Michael Winterson, Board Member, EUDCA

11:20 Data Centers and Sustainability in the Circular Economy

Efficient use of resources has always be key to the running and TCO of data center infrastructure. However, as data centers have risen in profile so too has their position as large energy consumers, adding a CSR element to business operational imperatives. How can data centers position themselves as good environmental citizens? What is the real impact of heat recycling, grid and utility integration and renewable energy sourcing? Is there active collaboration between data centers and energy/utility providers? Does legislation recognise the reality of data center energy consumption? And beyond good publicity, what is the business advantage of going 'green'?

Rick Abrahamsson, Group Business Development, Vattenfall
 Alexander Patt, Director Direct Sales and Project Management Power Generation, MTU
 Fredrik Rosenqvist, Director of Business Innovation, E.ON Nordic
 Fabien Vieau, Principal, Data Centers Energy & Location Strategy, EMEA, Google

11:50 Panel Discussion: Defining a Digital Brand for the Data Centre and Cloud

In the past, the purchasing budget for DC and cloud related services have sat squarely with the CIO or IT Director. However increasingly the trend is moving to involve more functions within companies, becoming a more collaborative approach. Decisions are based not just with technical decision makers, but also finance, sales and company marketing teams. How should the evolving nature of service sourcing impact the manner in which the sector markets itself?

Chair: Nicola Hayes, Founder, Andrastra
 Angela Leavitt, Founder/CEO, Mojo Marketing

13:00 Close of Conference and Networking Lunch

CHINA FORUM

Genois Theatre / Théâtre Génois**Theatre Chair: Ivo Brook, Head of Content, BroadGroup****10:30 Re-establishing the Silk Roads - China's Belt and Road Initiative**

Dr. Sebastien Goulard, Consultant and Manager, Cooperans

10:50 From AI, IoT, 5G - a shift from West to East?

The West is currently conscious of an explosion in the use of AI to drive innovation and growth and the transition of data analysis and manipulation to edge IOT devices, all of which are shaping the future of the hyper scale. But less is known about the advances already in place in China and other Asia Pacific hi-tech countries, many of which are technologically ahead of our western developments and already bringing social and economic advantage. For instance, JD.com has put in place a 20 minute delivery time in certain Chinese cities, whereas Amazon Prime Air is still in trial in the West. China has already committed to be the world leader in AI, investing \$16bn into a city not even heard of by many in the West. Come and hear our vision of how this propulsion will impact the rest of the world.

Oliver Jones, Co-Founder and CEO, Chayora

11:10 Case Study - Chindata

Zoe Zhuang, VP & CFO, Chindata

11:30 Keynote - Huawei

Michel Fraisse, VP, Europe, Huawei

12:00 Market Under the Microscope: Developing China's Digital Ecosystem

The world's most populous country has risen to be a force to reckon with in digital technology as homegrown innovators position themselves in market leading positions both domestically and internationally. Within China, a burgeoning middle-class and digitally engaged population is driving requirements for infrastructure development. Hear where China sits in the move to digitization, key programmes underway and supporting infrastructure that is enabling growth and adoption of advanced services.

Chair: Jonathan Berney, COO, Chayora

Jia Ying Ju, VP - China, International Business, HGC Global Communications

Yali Z. Liu, Vice President, ChinaCache

Lichang Zheng, Peering Leader, IDC Developer, Tencent

12:30 China's Digital Silk Way

Outbound investment into international markets have been a key strategy in developing China's digital strategy. The Digital Silk Way project is proving pivotal in exporting digital services and developing global economies. Here we explore cooperation between Chinese and the broader international tech community in developing global service delivery.

Chair: Michael Tobin, Industry Entrepreneur

Dr. Sebastien Goulard, Consultant and Manager, Cooperans

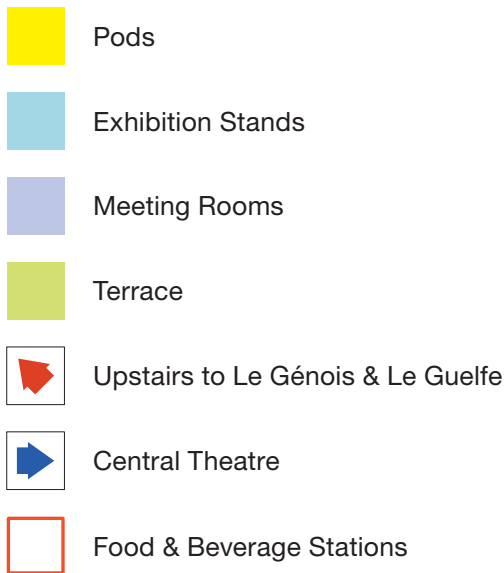
Guy Willner, Founder and CEO, IXcellerate

Joe Zhu, Founder and CEO, Zenlayer

Please note the programme is subject to further updates.

Exhibition Floorplan

ESPACE RAVEL, LEVEL +1



Meeting Rooms

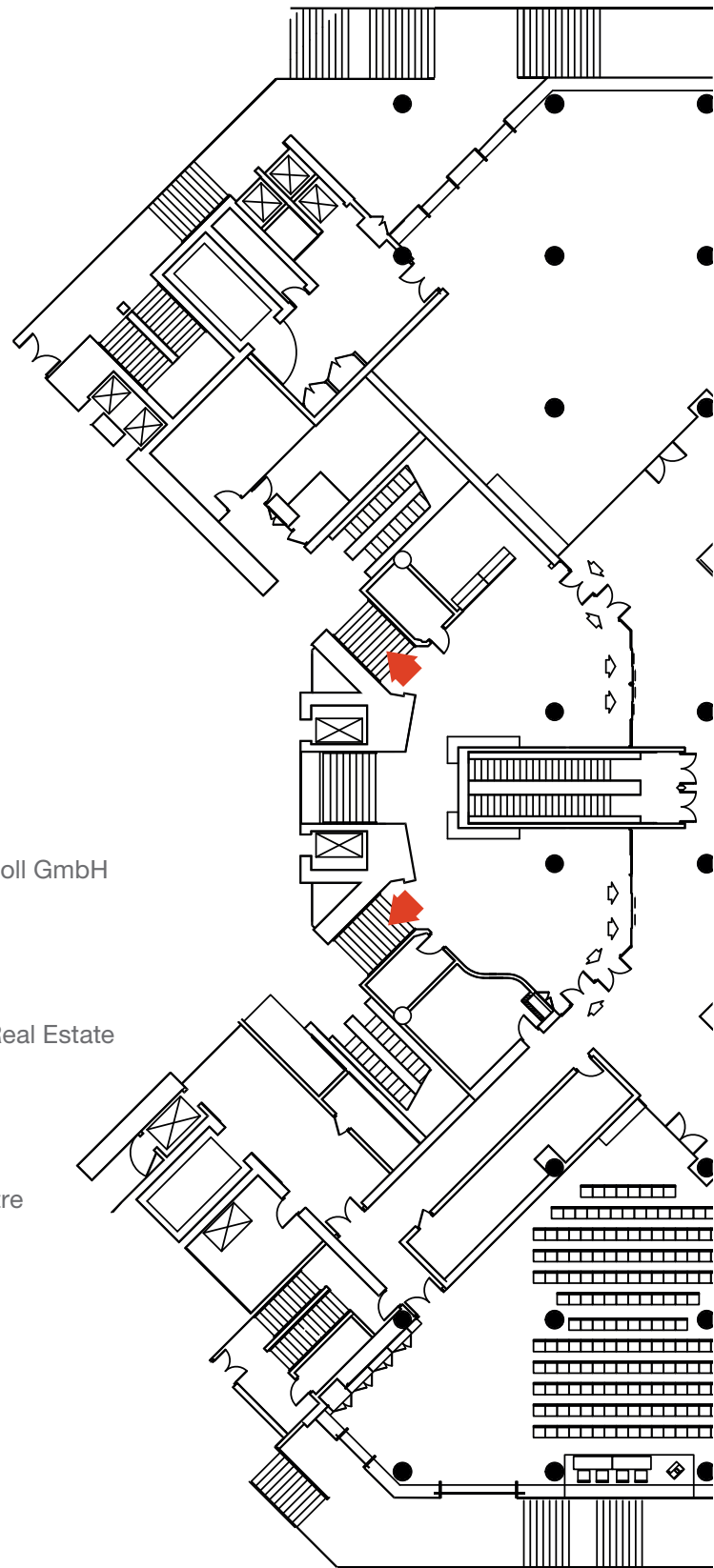
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- B** Huawei
- C** RBC Capital Markets
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- 45** Rittal
- 84** Schneider Electric

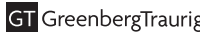




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- 5 Uptime Institute
- 48 Vertiv
- 20 Wärtsilä

- 75 Winthrop

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Strategic Partner 	Strategic Partner 	Organization Partner 	Organization Partner 	Organization Partner 
Talent Acquisition Partner 	Charity Partner 	Global Educational Partner 	Partner 	China Forum Media Partner 

Speakers

	Dalia Adib Practice Lead - Edge Computing STL Partners		Kevin Brown Senior Vice President of Innovation & CTO Schneider Electric, IT Division
	Karim Ait-Younes Senior Regional Sales Manager, Head of Sales EMEA STULZ GmbH		Dean Bubley Founder and Director Disruptive Analysis
	Michael Akinla Manager, Network Infrastructure, Northern Europe Panduit		Amber Caramella SVP of Sales Zayo
	Giordano Albertazzi President EMEA Vertiv		Steven Carlini VP, Innovation and Data Center Schneider Electric
	Dr. Julie Albright Digital Sociologist iMasons Board Member		Alberto Carpita Data Center Business Developer Siemens
	Tim Anker Founder, Colo-X Director, Amito		Sureel Choksi President & CEO Vantage Data Centers
	Mark Bailey Partner Charles Russell Speechlys		Ralph Choufani Principal ABRY Partners
	William Barney Chairman and CEO Global Cloud Xchange		Fernando Chueca Managing Director Carlyle Europe Technology Partners
	Rabih Bashroush Director, Enterprise Computing Research Lab University of East London		Kai Goh Chuen Head of Investments (Europe) Keppel Data Centres
	Brad Bauman Director Business Development Data Center Delta EMEA		Duncan Clubb Senior Director, IT Consulting EMEA CBRE
	Mikael Berggren Position Company		Philip Collerton Chief Revenue Officer Uptime Institute
	Jonathan Berney Chief Operating Officer Chayora		Garry Connolly President and Founder Host in Ireland
	Tom Berry CEO Chameleon		Eric Crabtree Chief Investment Officer IFC
	Sicco Boomsma Director SF Telecom, Media & Technology ING		Cole Crawford CEO and Founder Vapor IO
	Sunita Bottse Managing Director SUPERNAP Thailand		Lance Crosby CEO Stackpath
	Pieter-Jan Bouten Managing Director Greenhill		Henry Daunert Senior Consultant, Datacenters Systemair
	Denise Breen Senior Project Manager Iron Mountain		Brian Davis Data Center Segment Lead, Americas Region ABB
	Stephen Brook Fund Director Alpha Real Trust		Matthew Dent Chief Commercial Officer Global Switch
	Randy Brouckman Chief Executive Officer EdgeConneX		Stephane Duproz CEO Africa Data Centres

	Tesh Durvasula President - Europe CyrusOne		Alexander Hauser Managing Partner TTSP HWP
	Daniel English President and Co-Founder Legacy Investing		Kamal Hava Partner & Shareholder Greenberg Traurig, LLP
	Hossein Fateh Founder and Principal CloudHQ		Nicola Hayes Founder Andrastra
	Joachim Faulhaber Global Product manager and Deputy Head of certification Body TUViT		Ronald Hendrikx Partner/Head of Commercial Group Bird & Bird
	Jeffrey Ferry Director Goldman Sachs		Eugene Bergen Henegouwen President EMEA Equinix
	Mark Flanagan Group Operations Director Kirby Group Engineering		Jason Hoffman CEO MobileEdgeX
	Ciarán Forde Segment Leader Data Center & ICT, EMEA EATON		Chris Hogg Investment Director Amber Infrastructure
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	Iain Gillott President IGR		Oliver Jones CEO Chayora
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	Christof Hammerli Head, Digital Infrastructure Landmark Dividend LLC		Jeffrey Krogh Managing Director BNP Paribas
	Peter Hannaford Founder and CEO Datacenter People		Olivier Labbé Co-Founder and CEO CAP DC
	Iain Hannaway Key Account Manager, Data Centres - Energy Solutions Wärtsilä Finland Oy		Peter Lambrecht Vice President, Key Accounts EMEA Vertiv

Speakers



Angela Leavitt
Founder/CEO
Mojo Marketing



Steffen Leiwesmeier
Head of Financing, Digital Infrastructure
Hamburg Commercial Bank



Giuseppe Leto
Global Portfolio Manager
Siemens



Mauro Leuce
Associate Director
Atkins



Martin Levy
Network Strategy
Cloudflare



João Marques Lima
Founder & Chief Editor
Data Economy



Ofer Lior
Regional Business Development Manager - Data-Center
Software Solutions, Intel DCM



Stephanie Liston
Senior Counsel
Mischcon de Reya



Yali Z. Liu
Vice President
ChinaCache



Qunkai Liu
Country Manager France, South Europe & Israel
Alibaba Cloud



Loren Long
Co-Founder and Chief Strategy Officer
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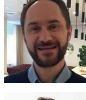
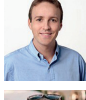
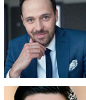
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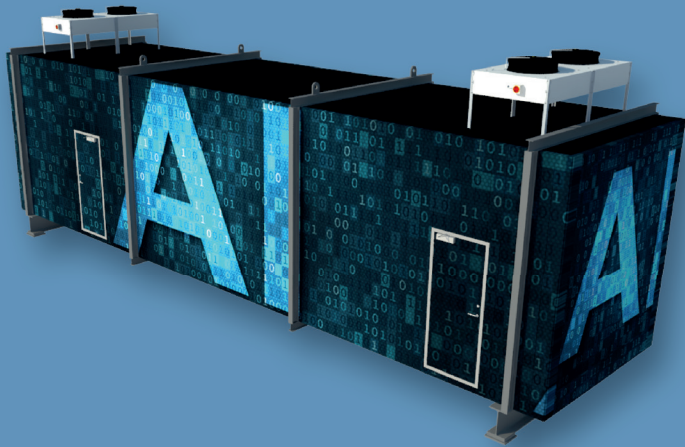
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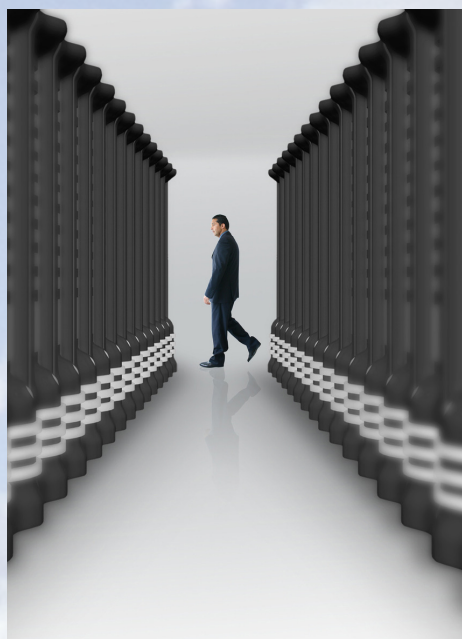
BUILDING THE CLOUD

13 DATA CENTRES
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TOM O'CONNOR **EUROPEAN DIRECTOR** **COLLEN CONSTRUCTION**

Colleen Construction is leading data centre delivery in Ireland and the firm has established a presence in Europe, with three data centre projects completed in Sweden and Germany and a further two projects currently under way.



The family owned company, with a history dating back over 200 years is currently ranked in the top ten Main Building Contractors in Ireland and has ample experience in data center design and build



In Ireland, the firm operates across private and public sectors and its portfolio includes commercial, office fit-outs, data centres, life sciences, industrial warehousing, retail, conservation and refurbishment projects. In mainland Europe the focus is on data center delivery.

European Director Tom O'Connor understands the importance of delivering the same first-class standard of projects that the firm delivers in Ireland and this has enhanced growth in Europe.

Tom says "Safety, quality, programme and value are the key priorities for us. We aim to exceed our Clients' expectations time and time again."

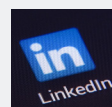
"Working for the biggest tech companies brings huge demands in terms of speed, compliance and health and safety."

Tom is a MEP professional with over 30 years experience working in the construction industry. He joined Colleen in 2010 and has been focused on delivering data centres ever since. He has been involved in the delivery of over 180,000m² of data halls in 7 separate campuses across 3 countries for confidential multi-national clients.



Meet Tom at **Data Cloud Monaco** **4-6 June 2019**

Tom is attending the DataCloud conference in Monaco 4-6 June and looking forward to meeting attendees.



Contact Tom
through LinkedIn

[HTTPS://WWW.LINKEDIN.COM/IN/TOMOCONNOR4/](https://www.linkedin.com/in/tomocconnor4/)

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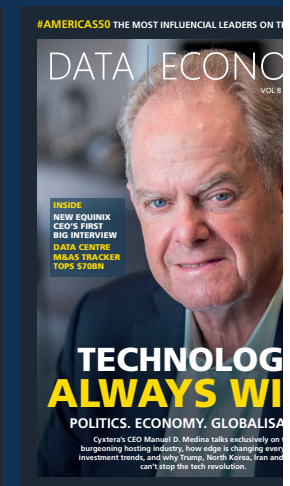
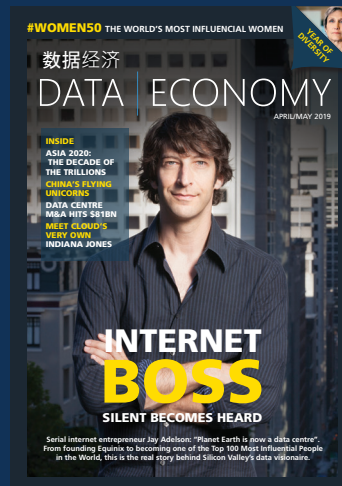
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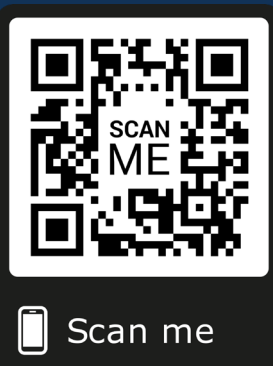
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