

September 2021

Introduction

techUK's Data Centres Council comprises twenty individual members who represent the full spectrum of business interests and business models across the data centre sector. Members include wholesale and retail colocation providers, cloud and hosting service and enterprise operators and range from multinationals to SMEs. The Council is a decision-making body providing strategic direction for all techUK's activity relating to data centres. Formal Terms of Reference provide governance for the group.

The Council was established in 2009. Its primary objective is to provide a representative voice for the sector in policy matters. The Council has delivered a number of significant outcomes for the UK data centre sector. These include negotiating a Climate Change Agreement, limiting the impact of the Carbon Reduction Commitment, building a qualification framework to recognise professionalism in the sector, positioning the sector as a career destination of choice, demonstrating the economic value of the sector and demystifying data centres to policy makers across government. Most recently the Council, through techUK, succeeded in securing the inclusion of data centres on the list of key workers and as a result of our intervention, a dedicated data infrastructure resilience team has been established within DCMS. The UK has the largest data centre market in Europe by a significant margin and as a result the Council also takes a close interest in EU policy developments impacting the sector, working with international counterparts to ensure that UK interests are properly represented.

Current members are:

Andrew Jay (Chairman)	CBRE
Jack Bedell-Pearce (Vice Chairman)	4D Data Centres
Emma Fryer (Manager)	techUK
Derek Allen	Global Switch
Mark Bailey	Charles Russell Speechlys
Eric Boonstra	Iron Mountain
Allan Bosley (alternate: Pip Squire)	Ark
Neil Cresswell (alternate: David Watkins)	VIRTUS
Riccardo Degli Effetti	Amazon Web Services (AWS)
Paul Finch	Kao Data
Dave Smith	Interxion Digital Realty
Paul Garland	Vodafone
Peter Gibson	Intel
Gary Kilmister	Pulsant
Tim Martin (alternate Richard Ward)	IBM
Billy McHallum	Equinix
Scott McLauchlan	Gyron/NTT
Matt Pullen (Alternate: Aashna Puri)	CyrusOne
Kev Schieber (alternate Scott Balloch)	Colt
Alex Tilley	CloudHQ
Steve Weiner (alternate Andy Finch)	Cyxtera

Member Biographies

Andrew Jay (Chairman), Executive Director EMEA Data Centres, CBRE

Andrew is an Executive Director within the Global Corporate Services division based in London. He is head of the EMEA Data Centres team which is the World's largest data centre real estate advisory group.

He is recognised as one of Europe's leading advisors to the data centre industry and benefits from in-depth knowledge of all aspects of the technical real estate market including development, leasing and corporate data centre dynamics.

Andrew is responsible for the unique research provided by CBRE into the Global Colocation market and is a regular speaker at the main conferences including Data Centre Dynamics and Data Centres Europe.

Andrew is a founder member of techUK's Data Centre Council and was a driving force in negotiating the climate change agreement (CCA) for data centres.



Jack Bedell-Pearce, Managing Director, 4D Data Centres

Jack started his career with management consultancy firm Accenture where he worked on technical projects, then spent a couple of years at a London-based design agency as their Head of Digital before establishing his own small consultancy company. He joined 4D, one of a handful of small to medium sized privately owned UK data centres, in 2007. Since then, Jack has overseen the rapid growth of 4D, winning, along the way, multiple green awards for retrofitting their data centre with cutting edge cooling technology and winning a Deloitte Fast 500 award 4 years in a row. Taking on a legacy data centre and growing it organically from an almost zero customer base to a nearly full data centre has provided Jack with some unique insights, including: commercial experience in running and managing a Tier 3 data centre, hands on experience in retro-fitting / upgrading a legacy colocation data centre (in a live environment), with the latest UPS and cooling technologies including successful retrofit of adiabatic cooling, a strong understanding of the issues that smaller retails colocation providers face and a commitment to providing a voice for this cohort of operators.



Emma Fryer (Manager), Associate Director, techUK

Emma has worked in and around the technology industry for the last 15 years in a range of roles including research and report writing, project management and policy negotiation. She leads the data centre programme for techUK and manages the UK Council of Data Centre Operators, techUK's Data Centres Technical and Professionalism Committees. Her achievements include negotiating and implementing the Climate Change Agreement for Data Centres, worth over £200M to the sector. In recognition she won the DataCenterDynamics Award for "Outstanding Contribution to the Industry" in 2013 and the "Effective Voice" category of the Association Network Awards in 2014. She also won "Individual Industry Contribution: Ambassador" Award at DataCloud 2018.

Emma has also produced a significant body of work including formal and informal policy responses, white papers, overviews, briefings, high level thought leadership papers and illustrated infographics explaining complex technologies in laymans' terms - plus everything in between. Emma was appointed to the Board of Directors of the Climate Neutral Data Centre Pact in 2021 and also sits on the Infrastructure Masons Advisory Council. She is a judge for the leading industry awards providers and is a regular speaker at industry events.



Derek Allen, Group Director Operations, Global Switch

Derek joined Global Switch as Group Director Operations in 2012. He holds a Bachelor in Engineering degree and a post graduate Diploma in Management Studies. Derek has extensive knowledge of operating large scale data centres, having over 30 years' industry experience, the last 12 of which have been working directly in the data centre industry for companies such as Cable & Wireless Worldwide and UBS, where inter alia he led the standardisation and introduction of best practice operating processes and was responsible for a number of significant data centre build projects. Prior to these roles Derek worked for BT where he built up comprehensive engineering and facilities expertise.

At Global Switch, Derek is responsible for the management of the Operations team and ensuring that the company maintains its best in class operating procedures across its global footprint.

**Mark Bailey, Partner, Charles Russell Speechlys**

Mark is a highly experienced commercial, IP and technology lawyer, who provides advice on a variety of technology, infrastructure and commercial contract matters for clients ranging from growing businesses to public authorities, consultants and major suppliers and buyers of IT services.

Mark combines in-depth commercial expertise, specialist technology know-how and a highly practical approach to advising clients on a range of matters including software licensing, internet and e-commerce issues, terms and conditions of business, IP protection, research and development and collaboration agreements, software developments and licensing. He also advises on supply chain contracting, agency distribution and supply agreements, data centre operation, outsourcing and facilities management and green IT and low carbon issues.

Mark works across a number of sectors but has particular expertise in advising within the financial services arena. Mark was a key contributor to the successful negotiation of a CCA for data centres.

**Eric Boonstra, Vice President & General Manager Europe, Iron Mountain Data Centers**

Eric Boonstra is VP and General Manager Europe at Iron Mountain Data Centers, P&L responsible for Europe and also responsible for supervising and driving growth and operations for the company's pan-European data center portfolio.

Iron Mountain Data Centers operates a global colocation platform that enables customers to build tailored, sustainable, carrier and cloud-neutral data solutions. As a proud part of Iron Mountain Inc., a world leader in the secure management of data and assets trusted by 95% of the Fortune 1000, we are uniquely positioned to protect, connect and activate high-value customer data. We lead the data center industry in highly regulated compliance, environmental sustainability, physical security and business continuity. We collaborate with our 2,000+ customers in order to build and support their long-term digital transformations within our 3.5M SF global footprint spanning 3 continents. For more information, visit www.ironmountain.com/data-centers.

Eric's particular focus is on customer satisfaction, sustainability, operational excellence, international growth and industry leadership. As well as building up the Dutch EvoSwitch data center business as CEO prior to its acquisition by Iron Mountain, Eric has held senior management roles in Siemens, Staples, and ABN AMRO. Eric is an active Board Member of the Dutch Datacenter Association and the Amsterdam Economic Board and the Policy Committee EUDCA.



Allan Bosley, Ark

Allan manages the bid process that supports Ark's growth plans. He brings to the job wide-ranging experience drawn from a career in the marketing and communications industries, and communications management roles on major IT change and transformation programmes at the MoD and the BBC.

Ark design, construct and operate highly efficient modular data centre systems, providing a scalable method of rapidly deploying data centres with an extremely low, proven Power Usage Effectiveness. Ark's low PUE results in the lowest Total Cost of Ownership (TCO) for its customers across the Private and Public Sectors. The company currently has two data centre campuses, one just outside the M25 at Farnborough, the other in Corsham, Wiltshire.

Ark recognises the value of techUK in providing an articulate, well-informed and effective collective voice for the data centre industry. The Company has supported techUK's successful campaign for a Climate Change Agreement for the industry with data, information and feedback. Ark also contributes to a range of the working groups across techUK where the management of highly secure, accessible and energy efficient data centre provision is a pre-requisite.

Alternate: Pip Squire, Design Director, Ark



Neil Cresswell, CEO, Virtus Data Centres

With over 25 years experience in the data centre, technology and banking industries, building successful, high growth, profitable businesses with a reputation for quality, innovation and customer service, Neil joined VIRTUS Data Centres as CEO in April 2013. Neil has grown VIRTUS from one data centre of 3MW to the 3rd largest UK data centre provider with six of London's leading facilities providing over 90MW of capacity. His leadership has transformed VIRTUS into one of the most innovative and fastest growing data centre providers in Europe with customers including leading global organisations in the financial services, technology, media and education sectors.



Previously, Neil worked across UK, Europe, Asia and the U.S for companies such as BNP Paribas, IBM and Fiserv and was previously with Savvis, for 6 years, where he was Managing Director of the EMEA Region and the global financial services sector. He holds an honours degree in Business Studies from the University of Westminster and is a graduate of the Henley Business School Advanced Management Programme.

Alternate: David Watkins, Service Delivery Director



Riccardo Degli Effetti, Data Centre Engineering Operations Cluster Leader, AWS

Riccardo has worked in the technology sector for twenty years and brings a wealth of operational experience with him. He started his career in 2000 at Redbus Interhouse in Italy as technical and facility manager and followed this with four years at Bloomberg as field services team leader, where he was responsible for the field support of over 20,000 Bloomberg customers in the UK. In 2007 he moved to Telecity Group (now Equinix) as Operations Manager where he ran operations in Docklands before being made responsible for the design and build and subsequent team implementation of the company's flagship facility in West London Powergate.

In 2010 he moved to Rackspace, where he was responsible for the management of their managed hosting data centres in EMEA, managing technical and engineering teams for the company and also responsible for capex and opex budgets, customer life cycle, expansion plans, energy efficiency and standards. He then moved to Sky for five years as head of data centre operations, and, after a stint at CBRE as a Director in their Global Workplace Solutions team, he joined AWS in July 2019.



Paul Finch, COO, Kao Data

Paul provides strategic direction and oversight to the company with responsibility for strategic operations and platform delivery, whilst providing stewardship and policy level leadership to the broader industry. Named by Data Economy as one of the “Top Influencers in Data Centres, Cloud and Data”, Paul is a globally respected data centre thought-leader.

His 30-year career includes key roles in Fortune 500, in REITs including CBRE and Digital Realty Trust, in engineering consultancy and project management. In total he has overseen the creation and execution of global developments exceeding £1.0bn in capital deployment and supporting over 200MW of technical space.

Paul is a Chartered Engineer, an IMechE Fellow and a member of ASHRAE. He holds a BSc (Hons) in Building Services Engineering, a PgDip in Engineering Management and is a graduate of the General Management Programme at the University of Cambridge, Judge Business School. In 2020 Paul was awarded Sustainability Champion and iMasons 100 Awards by the Infrastructure Masons and presented by the President of ASHRAE with the Global Technology Award for Industrial Facilities and Processes "for the outstanding achievement in the design and operation of energy efficient buildings" relating to the +£230m, 45MW, Kao Data campus.



Paul Garland, UK Energy Manager, Vodafone

Paul has worked at Vodafone since 2013 and is a highly experienced energy strategist with a strong track record of providing robust insight and analysis on complex operational and strategic projects. He has successfully delivered many business change and IT projects from small to large multi-million projects.

He started his career with GEC Plessey and then Rolls-Royce, tasked with improving manufacturing processes. He then spent over 20 years in the cement industry where his early roles ranged from analysing and improving processes and developing successful asset and maintenance systems. Later on he moved into business and energy strategy, leading several Strategic Reviews at a critical time for the industry.



Peter Gibson, Director, Energy and Climate Policy, Intel Corporation

Peter has worked at Intel Corporation since 2005 as part of their Global Public Policy team. He is responsible for driving Intel's engagement in international energy and energy efficiency, climate policy including environmental standards and regulations with specific emphasis on key European Member States. ErP Directive and resource efficiency (Circular Economy) policy.

During his time at Intel, Peter's specialist responsibilities have included energy efficiency and spectrum policy. Peter was responsible for driving the development and subsequent publication of the IEC 62623 test Standard for PC energy consumption. He's an active member of the Digital Europe eco-design cluster, IEC TC 100, CENELEC TC100X and ITU-T SG5. He continues to drive Intel's ICT enabling policy in supporting the global reduction of GHG emissions.

Prior to Intel he worked with an American manufacturer who designed and developed fixed microwave radio systems in the 1.4 -38 GHz range. He was responsible for developing ETSI Harmonised Standards to support their industry leading innovative solutions. Peter previously worked for 6 years at the UK spectrum regulator, the Radiocommunications Agency (known now as OFCOM) as manager of the fixed services frequency assignment operations.



Gary Kilmister, Head of Data Centres, Pulsant

Gary is a member of the Senior Management team at Pulsant and is their Head of Data Centres covering their 15 UK sites and their third party locations across the UK and Europe. Gary's responsibilities include managing these facilities with his team of facilities managers and support staff.

Prior to Pulsant, Gary worked for Tata Communications as Regional Head of Data Centres, where he aligned services and delivered best practice across their multiple facilities. Prior to that he helped develop a data centre business in Manchester up to its acquisition by a third party.

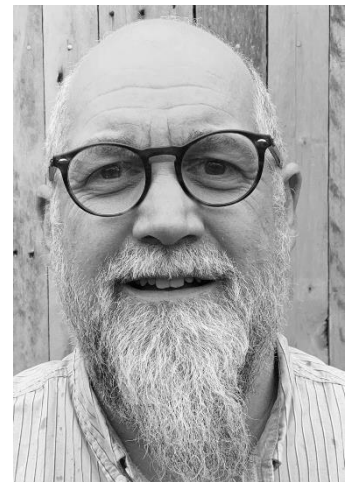
Gary contributes actively to industry level policy dialogues with government, including those on the CCA, Heat Networks and EU ETS. He is also a member of the Green Grid and Chartered Institute of IT.

**Tim Martin - European Data Centre Leader - IBM**

Tim joined IBM at the turn of the century following a successful career in the Public Sector designing and delivering educational support programmes within the Further Education sector. In 20 years Tim has been with IBM he has held a number of roles including UK&Ireland Data Centre Leader and European Data Centre Strategy Leader.

For the past 5 years Tim has held the position of European Data Centre Leader, responsible for leading a 200 strong team spread across 29 countries with over 150 Data Centres and in excess of 1.2 million square feet of capacity.

Tim is passionate about high quality service to clients and there is no escaping the demands of IBM clients for an 'always on' service. Managing the service from utility purchasing to plugging a new cable into the back of a mainframe provides a unique 'end-2-end' perspective of the data centre business that shapes Tim's priorities both within IBM and when working on the techUK Data Centre Council.

**Billy McHallum, Senior Manager Regional Operations Engineering, Equinix**

Billy joined Equinix as an infrastructure analyst in June 2008 and became Senior Manager, Regional Operations Engineering in 2016.

With over 220 data centres in more than 25 countries on five continents, Equinix is a global colocation market leader, connecting thousands of companies directly to their customers and partners inside the world's most networked data centres.

Equinix support the council in its mission to foster growth in this sector. Equinix actively participate in the development of industry standards and related issues, including best practice data centre design operation and management and driving innovation.



Scott McLauchlan, Technical Director, Global Data Centres EMEA, NTT

Scott joined Gyron in 2016 as Data Centre Architect, becoming Technical Director in 2017. Since the acquisition of Gyron by NTT in June 2019 Scott has had responsibility for EMEA.

Before joining Gyron, Scott spent nearly nine years with Keysource, joining as an Applications Engineer and progressing to Design Consultant. This meant that he was the Lead Design Engineer for multi-megawatt mission critical facilities, responsible for completing RIBA Stages A-D and coordinating the company's design specialists to translate client's IT requirements into world class energy efficient facilities.

**Matt Pullen, EVP - Managing Director Europe, CyrusOne**

In his role as Managing Director, Europe, Matt is responsible for driving the growth of CyrusOne's operations in Europe and delivering the very best in data centre excellence to CyrusOne's hyperscale and enterprise customers worldwide.

Matt oversees regional business strategy and an experienced European Management Team to deliver on site selection, construction, design, operations, finance, HR, legal, sales and marketing across an operational and development footprint of more than 150 MW in London, Frankfurt, Dublin, and Amsterdam.

CyrusOne (NASDAQ: CONE) is a high-growth real estate investment trust (REIT) specialising in highly reliable enterprise-class, carrier-neutral facilities. With nearly 50 data centres worldwide, the company provides mission-critical facilities that protect and ensure the continued operation of IT infrastructure for approximately 1,000 customers, including more than 200 Fortune 1000 companies.

Matt has extensive relationships in the corporate community and a unique understanding of the property investment dynamics of data centres. He is honored to be a member of the techUK council, and to represent CyrusOne customers. Effective partnership and a commitment to a sustainable future is fundamental to CyrusOne's growth strategy in Europe, and Matt is committed to strengthening relationships with key policy stakeholders and elevating standards for best practice in the data centre industry across Europe.

Alternate: Aashna Puri

**Kev Schieber, VP Operations and Technology at Colt Data Centre Services**

Kev Schieber was appointed VP, Operations and Technology at Colt Data Centre Services in May 2021. Whilst he is now responsible for all aspects of operations across the Colt DCS estate, he comes from a security background and has a particular interest in physical security.

Kev's career started as a police officer in the Metropolitan Police Service in London where he served for 8 years before taking an opportunity to join the Royal Air Force as a commissioned officer in the specialist police and security branch. During a 16 year RAF career Kev undertook a wide variety of specialist roles including, among others, tactical command of high security logistics convoys, management of security of a frontline airbase in Germany and operational deployments to the Middle East and South Atlantic and, finally, 5 years as a senior security advisor in the Defence Intelligence Services charged with the protection of sensitive data facilities in several locations across the world including hostile operational environments.

Since retiring from the RAF in 2006 Kev has worked in security consulting, headed the security team for EDF Energy and, for the last 10 years has been part of the team at Colt, initially as a physical security specialist followed by six years as the Security Operations Director before taking on his new role this year.



Dave Smith, Director Sustainability and Operational Risk, Interxion: a Digital Realty Company

Dave is a Chartered Engineer and Chartered IT professional and has spent the last 20 years in international data centre operations management. Dave has an Engineering Degree from Kingston University London and an MBA from Manchester Business School. He joined Digital in 2018 as Director of Sustainability and Operational Risk EMEA.

Previously he was Operations Director at DataCentred for three years and before that he spent 16 years at Telecity, joining in 1998 as Operations Manager. Among other tasks he oversaw the roll-out of data centres across Europe, managed the technical due diligence and integration of multiple acquisitions, and successfully implemented group wide integrated management systems incorporating ISOs 90001, 27001, 14001 and OHSAS 18001. In addition he implemented the group energy management system which was successful in achieving ISO 50001 across key European markets. In 2011 Dave took on the role of Energy & Sustainability Manager for the Telecity Group.

Dave was a key member of the team who negotiated with Central Government on behalf of the industry over the introduction of the Climate Change Agreement for UK Data centres.

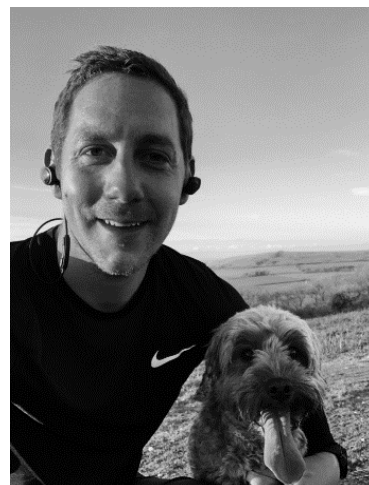


Alex Tilley, Vice President, EMEA, CloudHQ

Leading the European business to drive revenue growth and strategic acquisition in existing and new markets. Alex is a Chartered Surveyor (MRICS) and holds a BSc (Hons) Land Management degree from the University of Reading.

CloudHQ is one of the fastest growing data centre companies in the world, with 2.4 million sqft and 323MWs of critical IT load completed or under development within the last four years. The CloudHQ team have executed the largest individual data centre leases in 2016, 2018 and 2020 with key hyperscale customers. CloudHQ has 1,800+MWs of expansion potential globally, including 350MW of owned and controlled land in the UK, France and Germany.

Alex joined CloudHQ to drive strategic growth in markets with high barriers to entry, further enabling the vision of Hossein Fateh. CloudHQ specialise in enabling new massive scale locations, whilst maintaining client's latency requirements to existing, constrained metro availability zones. For example, CloudHQ have become a regulated telecoms operator within the UK, enabling us to construct an ultra-low latency duct system from our Didcot campus to the Slough Trading Estate and West London market. This allows Didcot to act as an extension to the STE. As a chartered surveyor, with 10 years of experience in data centre development and capital markets advisory, Alex and CloudHQ can offer a wealth of experience to the Council.



Council Secretariat

Emma Fryer, Associate Director, techUK: E: emma.fryer@techuk.org

Lucas Banach, Programme Assistant, techUK: E: lucas.banach@techuk.org



Lucas Banach: Logistical and administrative support
T: 020 7331 2006