Nominee: Keysource

Nomination title: Keysource – Data centre Design, Build and Operate Experts

With over 30 years' experience, we deliver services and solutions specifically for data centres and other business critical environments through consult, build and operate. Trusted by some of the world's largest organisations, we focus on innovation while reducing complexity. We build long-term relationships, aligning our engineering solutions with our customers' business objectives and technology challenges.

Understanding the importance of resilience and efficiency in critical environments we operate across all sectors including; Automotive, Health, Public Sector, Education, Construction, Finance, Retail, Manufacturing, Oil & Gas and large-scale professional DC operators and colocation providers.

With a focus on efficiency and innovation Keysource have developed a range of services and solutions delivering high performance data centre infrastructure. This has been recognised within the industry for us and our customers with multiple awards over the last few years from Data Centre Solutions, the Uptime Institute, Datacenter Dynamics and Information Age

Other recent notable projects have been delivered for Jaguar Land Rover and BSkyB which saw one of the largest DCIM role outs in Europe to date.

As an early adopter of The Green Grid and an endorser of the European Code of Conduct, Keysource is a strong believer in adopting best practice. We have aligned our approach to the design of new projects as well as the audit and upgrade of existing facilities in accordance with some of the industry's leading associations and bodies in this field. Based on our design and build of a new facility and adoption of key best practise principles our customer, Petroleum Geo-Services, won the first European Code of Conduct award for Data Centres in 2011.

At Keysource we truly believe that our people are the key to our success. Our expert teams include Uptime Institute Accredited Tier Designers (ATD) and Specialists (ATS), Data Centre Alliance approved Auditors, Certified Data Centre Design Professionals (CDCDP) and Certified Data Centre Technicians (CDCT). Our in-house design and engineering teams are also highly qualified with many holding degrees in Electrical and/or Mechanical engineering.

As an approved auditor for the Data Centre Alliance certification scheme Keysource has carried out a formal process that ensures we meet the DCA standards for delivering professional services and DCA approved audits. We have the ability to provide strategic

advice, consultancy and auditing across design and operations considering resilience class, site physical security, energy efficiency and operational professionalism.

As thought leaders in our field, Keysource is often asked to participate and present at data centre events and seminars across Europe. Understanding the need to share innovation and contribute to the advancement of the industry Keysource regularly partake in industry thought leader round tables and also host their own range of seminars at their multi-award winning facilities at PGS and Datum. Running since 2009 over 1000 people have attended our workshops and seminars. Last year we also hosted our first industry leading round table event which focused on Raising Inlet Temperatures in the Data Centre and The Use of Fresh Air in the Data Centre. It consisted of representatives from the Uptime Institute, Operational Intelligence, Fujitsu, The 451 Group as well as other specialists in the industry. Our Managing Director Mike West was invited to join and participate on the DC Council at Intellect (now Tech UK) for a number of years helping to shape important issues within our industry.

There is no compromise for Safety, Health and Environment (SHE), especially when working in critical environments. The impact and cost of failure can be significant and being involved in all aspects of data centres and critical environments, we understand this and have our own ongoing campaign of 'Safety First, Always'. As well as being awarded in 2014 with a silver RoSPA award for Occupational H&S, we are accredited with CHAS and SAFEcontractor and are members of the British Safety Council and CRBE. We also are fully compliant with internationally recognised management systems ISO 9001, ISO 14001 and OHSAS 18001. In order to help drive compliance within the industry Keysource offer a range of professional services to support our customers with their accreditation and compliance including ESOS, ISO 27001, ISO 14001 and OHAS 18001.

Delivering efficiency innovation though cooling and optimised management

Working with our various clients with mixed requirements Keysource saw the need for a new approach to DC cooling. ecofris® is a high performance optimised cooling solution which facilitates the easy deployment of the latest high density and enterprise IT systems. The solution which builds on years of experience combines every aspect of DC cooling from airflow, heat rejection, free cooling and adiabatics as well as controls in a flexible and modular way suitable for deployment in existing data centres and new builds.

The leading edge design and flexibility of ecofris® has led to its adoption by a range of end user customers in the public and private sector and DC operators over the last 6 years. In one site alone this innovative solution has delivered annual savings of £620,000 with the same level of compute. In the UK this totals approximately 25MW of installed capacity and another 30MW in design.

Encompassing the whole data centre facility we have designed and deployed a data centre BMS solution that delivers a holistic view of DC operations from plant status, alarms and

performance including capacity and efficiency. This ensures all aspects of operating a facility can be optimised during its lifecycle. More recently our work has led to the deployment of large scale DCIM platforms for the likes of BSkyB where we have deployed and integrated over 1000 racks to support their strategic goals of improving performance efficiency and IT utilisation.

Having delivered some of the most efficient facilities in the world, throughout the UK, our latest development has seen Keysource set up in Asia supporting a new data centre development proposition in China which will see some of the largest and most advanced data centres in the world.

Why nominee should win

• With over 30 years' experience Keysource has a proven track record of deploying solutions that are aligned with the IT needs and commercial objectives of our customers. Proven by multiple awards for us and our customers.

• Covering all aspects of a DC lifecycle and through optimised design our ecofris solution has been deployed around the UK totalling approx. 25MW of capacity.

• Keysource are data centre industry champions and work where ever we can to promote the DC industry through a range of different roles.

• Our commitment to energy efficiency and drive for innovation has delivered some of the most efficient facilities in the UK to date.