



eBook

Is your data centre infrastructure fit for the future?

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Kubus 



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Your data centre has long been the hub of your organisation. It stores your information, fuels your operations and drives your performance.

Today, with added cloud and AI technologies, it is transformative. Underpinning your current business success. Enabling your strategies for the future.

But there are challenges ahead. Demands for data storage are growing rapidly. The International Energy Agency says data centre electricity consumption will double by 2030, with power use from AI-enabled data centres expected to triple.

With that boost in power, some fear high-density servers will generate too much heat for traditional air-cooling mechanisms to maintain optimal temperatures. Equipment failure and performance degradation will be inevitable.

Rapid data growth also means storage scalability, performance, and reliability will all be severely tested. Miscalculations in capacity planning risk performance bottlenecks or serious network downtime.

Protecting sensitive information from cyber threats will get even tougher with more data to secure. And data centres will inevitably face new demands to cut carbon footprints.

So your storage infrastructure is on notice. It needs to deliver cost effective, energy-efficient and power optimised hardware to meet the challenges of rising data demands head on. But it must also be part of an integrated data centre strategy for the future, designed to relieve all your data centre pressure points, and prepare for exciting high-capacity transformative technologies.



Update your infrastructure

Serious assessment of your data centre infrastructure will tell you how fit it is for the future. Kubus will help you do that.

Good infrastructure decision-making is not just about hardware performance, however. Kubus looks at your operational challenges in the round. We'll look at the ways you use your data now, evaluate your pain points and suggest improvements, and updates and replacements to your equipment if necessary.

Are your workloads critical to the way you operate, or can you take advantage of performance improvements and savings by moving more of your business to the cloud for example? When you decide to change hardware, are your equipment purchasing arrangements cost effective?

As we better understand what you're wanting to achieve as an organisation, we can identify key areas in your storage infrastructure to support cost-effective change. We can help you select equipment, software and services that deliver optimal scalability, flexibility, efficiency and resiliency for the future, and the best energy consumption and heat management performance.

Scalability is more important than ever given likely data, power and rack space demands on storage systems in future. Flexibility is also vital in building resilience and keeping costs under control, enabling you to maximise storage connectivity and eliminate storage silos. Efficiency becomes more pressing in designing your infrastructure, and we can help ensure you get maximum value.

Once decisions are made about what ageing hardware is to be refreshed and what your plans are for the future, Kubus will activate the changes without disrupting mission critical security operations.





Modernise to transform

Cloud computing, automation and AI are creating new paradigms for data centre performance, efficiencies and savings.

So your data centre infrastructure is now much more than a rigid backbone for your stored data. It's an enabler for the applications that transform your data centre and your organisation. It's crucial for AI and automation, providing support to handle the immense computational requirements for these technologies.

With burgeoning AI models demanding faster transmission speeds, automating data centre operations has become key to your optimised and orchestrated business.

We work with some of the world's leading specialists in data centre automation, implementing tailor made solutions for many of our customers. We can interpret your specific requirements to find the right solution, understanding what you need for effective automation and what you need to build within your infrastructure.

Data centres are often at the centre of complex networks of communication. You need high speed, reliable and resilient connections to keep data flowing on time to external networks, carriers and other data centres. You need your data centre infrastructure design to integrate smoothly with your network systems.

We ensure your well-connected data centre has a transparent network so you can easily track who, what, why and when changes happen. Even with all the right components in place outages will occur, but if you know what's happening ahead of time you can be ready to respond.

We'll work with you to understand what you need and then recommend the best end-to-end visibility solutions in the business, working consistently with your infrastructure systems.

Just as important in this age of fast growth in data and applications, you need to be able to monitor and understand what's happening with your data centre networks in real time. Visibility is the only way to secure your data and optimise communication performance. Your infrastructure needs to be designed to provide seamless visibility for a modern technology environment.

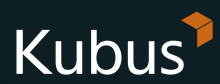


Kubus expertise and experience baked in

We'll help you embrace the potential of today's and tomorrow's data centre while protecting your data integrity.

We'll make your complex data centre challenges simple, designing an integrated strategy that delivers the infrastructure enhancements you need to meet the challenges of a data explosion, but provides the power to leverage your transformative technologies.

Kubus expertise and experience is baked into every stage of data centre planning and design. Our teams provide data centre knowhow and ensure quality work, customised and configured to your organisation and its operations. We'll recommend and procure technologies that we know will match your vision and strategy, and we'll deliver the whole solution.



Contact us to power your cloud
with seamless, secure IT solutions.

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