THE WELLCOME SANGER

SOLUTION STRENGTHENS MICROSCOPY RESEARCH FOR GENOMICS LEADER

"The Wellcome Sanger Institute is a unique organisation with a leading role in the scientific community. CAE treated us accordingly. They took time to listen, tailored their approach and worked collaboratively with us to deliver the best outcome."

- Gary Ward, Head of ICT Services, Wellcome Sanger Institute

The Wellcome Sanger Institute is one of the world's premier centres of research into the role of genomics and genetics in health and disease. It employs around 1550 staff and has a vast data centre at its campus in Cambridge.

Much of its research is in collaboration with other organisations, leading to scientific progress and transformative healthcare in the fields of cancer, parasites, and cellular genetics.

A new opportunity arose for the organisation to push the boundaries in electron microscopy and individual cell imaging. However, this required a significant increase in storage for a cutting-edge scientific platform that had to be scaled easily. Speed of deployment was key to being able to support important new research contracts. And the contract needed to be commercially astute and help the not-for-profit Institute as it worked towards an enterprise-grade IT strategy.

A live transition and seamless integration with the Institute's legacy environment

The Wellcome Sanger Institute is a unique organisation, and the CAE team took time to understand its ethos, aims and IT needs. CAE provided extensive consultation and hosted multifaceted workshops with key stakeholders from the Institute.

With new opportunities arising in electron microscopy and cell imaging, the Dell Isilon Generation 6 solution provided the storage required right away for the Institute to secure important research projects.

The 2-petabyte storage can scale easily to the expected 10 PB project requirement but has an architecture with capacity to go beyond on demand.

The solution was provided with A2000 and H5600 nodes. Other types of nodes can be added in future, giving the Institute extra freedom to deploy other storage-hungry scientific applications. This approach enables the Institute to tier its data to maximise its investment and flexibility.

The new technology was up and running within two days from unboxing, thanks to CAE's in-house expert team. Remote support was put in place and the new platform went into production.

The Outcome

The CAE team achieved a live transition and seamless integration with the Institute's legacy environment — with no distraction or disruption for users or customers. The result is an enterprise-grade, scalable storage solution expertly designed and delivered swiftly. CAE delivered end to end project management with zero footprint, including removal of waste for recycling.

It is a commercially strong contract, taking advantage of discounts and consistent with corporate IT strategy — achieving a cloud-equivalent price point.

The resultant storage solution supports the new microscopy platform and exciting research projects with collaboration partners. Fit for the future.

For more information contact hello@thisiscae.com

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