

Todd Energy modernizes and streamlines disaster recovery



NetApp storage technology enables maximum resiliency for mission-critical datasets.

Founded in 1929, Todd Energy is a leading provider of natural gas resources based in New Zealand. Todd Energy is New Zealand's first indigenous oil company, with operations at both the McKee Mangahewa and Kapuni oil fields.

The company manages massive data volumes across its operations, including seismic and subsurface datasets. To keep operations running, Todd Energy needs to provide consistent, secure access to that data whenever and wherever it's required. Downtime of any duration has a direct impact on business operations.

Reduced recovery time from multiple days to just minutes

“We couldn’t do disaster recovery without SnapMirror. With our old system, we were always unsure about whether our backups were available or retrievable. We don’t have to worry about backup anymore—SnapMirror fixes all of that.”

Keith Chamberlain, Service Delivery IT Manager, Todd Energy

Together with NetApp and NetApp partner Citrus Consulting, Todd Energy modernized and enhanced their disaster recovery and backup infrastructure to improve business continuity and enhance protection against mounting cybersecurity threats.

Shoring up disaster recovery to meet aggressive growth

Five years ago, Todd Energy was operating with fewer than 100 staff members. Today the company has about 500 staff members and is growing fast due to increased demand for energy nationwide. They have also expanded dramatically through acquisition.

Like all businesses in the energy sector, Todd Energy depends on data for its success. Every part of the organization uses data to gain insights and plan operations, from subsurface modeling to production operations and instrumentation. Managing all that data while maintaining security and availability is challenging, and with the company’s existing tape infrastructure nearing end of life, their disaster recovery capabilities were pushed to the brink.

“Our biggest challenges around data are volume, variety, and velocity,” says James Blair, head of information management and technology for Todd Energy. “We have about 200TB of raw capacity, with around 80TB worth of long-term backups. We need to be able to recover from disasters easily so that operations can continue.”

Opening the data pipeline

Todd Energy knew that to modernize their DR capability, they needed an enterprise-scale hybrid infrastructure so that data could be moved seamlessly across cloud providers. With a geographically dispersed environment, they needed a solution that was flexible and easy to use while

providing the robust features and stability their applications and users required.

“We were in growth mode, and we didn’t want a Band-Aid solution,” says Keith Chamberlain, service delivery IT manager for Todd Energy. “We were using outdated equipment, so we needed to go to market with something that was easy to deploy and install and also expandable for the wider business.”

Working with NetApp partner Citrus Consulting, Todd Energy implemented a new backup and DR infrastructure built on NetApp® storage. Citrus and NetApp collaborated closely with Todd Energy to make sure that the solution was designed to their exact specifications.

“We needed a fit-for-purpose solution that was aligned to our strategy, and our partnership with Citrus and NetApp enabled us to build that solution together,” says Chamberlain. “It’s the first of its kind developed and deployed here in New Zealand, and it has exceeded all our expectations.”

Todd Energy’s modern business continuity infrastructure has enabled them to deliver always-on data services to their internal teams across the country. Since the solution was implemented, the company has not experienced any outages, and their time to restore has decreased dramatically.

Conserving footprint while protecting the data environment

By moving to a hybrid solution for backup and DR, Todd Energy was also able to free up valuable footprint while reducing energy consumption and condensing equipment from 5 racks to 3. With a new hybrid model, the company can easily move data across cloud and on-premises resources, depending on the needs of their applications. Active IQ® Unified



Manager gives the company's IT managers a real-time, single-pane-of-glass viewpoint to monitor the health and utilization of all of their systems so they can make decisions on the fly.

"From a business perspective, we've been able to achieve quicker access to information and data, which has been great," says Blair. "We're also able to use the platform for more than just data storage. We've extended out the platform to use it for GPU capabilities, which gives us even more flexibility and agility."

With NetApp SnapMirror® replication software, Todd Energy doesn't have to worry about backups. In their words, "It just works." The company is confident that their data is being replicated offsite where they can retrieve it in seconds instead of days, weeks, or months. And the implementation of SnapMirror into their current environment was seamless. Using their new backup and DR infrastructure built on

SnapMirror, Todd Energy can quickly and easily integrate with other systems and platforms across their infrastructure, such as VMware, without implementing a new hypervisor product.

"We couldn't do disaster recovery without SnapMirror," says Chamberlain. "With our old system, we were always unsure about whether our backups were available or retrievable. We don't have to worry about backup anymore—SnapMirror fixes all of that."



To learn more about SnapMirror

NetApp products

SnapMirror

Active IQ Unified Manager



Citrus Consulting Group



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About NetApp

In a world full of generalists, NetApp is a specialist. We're focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world's biggest public clouds.

As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services and applications to the right people—anytime, anywhere. To learn more, visit www.netapp.com



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