

Nu-Pro Case Study

Nu-Pro improves protection of aerospace data

Nu-Pro Limited is a key manufacturing solution provider for the aerospace and defence industries, with the ability to manufacture from raw material to finished product. The company has two key sites, in Stroud and Cheltenham. The parts they manufacture require attention to detail and a high level of precision. It is important that all parts, as well as the manufacturing processes they go through, are thoroughly documented. In most cases this data must be retained for the lifetime of an aircraft. Therefore it is vital that this data is protected and backed up properly.

The Backup Challenge

Nu-Pro has servers with approximately 15TB of production data spread across infrastructure at its two sites. Its existing backup solution had become cumbersome to manage and was not meeting the IT team's SLAs or the business' requirements.

Aaron Young, Group IT Manager for Nu-Pro, says, "Data is the lifeblood of our business and ensuring we can get that data quickly and reliably when we need it is crucial. Our backup solution was taking up a lot of time and resource that we could have used elsewhere. It would take several days to recover data and, even after recovery, that data wasn't always immediately in a usable state. It was difficult for our team and for our business."

Cristie Data was asked to look at the challenges the company was facing and deliver a more robust backup solution that would also work for any potential virtual environments in the future.

Cost-effective Solution

The solution is Cristie Cloud Backup as a Service which uses Arcserve UDP to provide on-site and off-site backup and improve recovery times. It is fully managed by Cristie Data and hosted in a Tier 3 ISO accredited UK data centre that is owned and operated by Cristie's parent company iomart. Using a UK sovereign data centre is a must as Nu-Pro's customers include some of the largest commercial aerospace companies in the world.



Challenges

- Legacy backup solution
- Onerous to manage
- Too long to recover data
- Increasing pressures around data compliance

Solution

Cristie Cloud Backup-as-a-Service

Benefits

- More reliable and compliant backups
- Significant reduction in management time
- Recovery Time Objective down to minutes/seconds from days
- UK sovereign hosted solution
- Simple per Terabyte pricing



cristie data
an iomart company

Storage / Virtualisation
Backup / Recovery / Protection

The Cristie Cloud solution places a backup appliance, which has been preconfigured for the requirements and SLAs of the business, into the customer environment. The local backup is stored on the Cristie appliance to ensure fast and easy restores, with all backups replicated into the cloud service for resiliency and compliance. The appliance was pre-configured and tested before being installed by a skilled Cristie engineer at Nu-Pro's head office.

"We have a small team so our time can be really limited," explains Aaron Young. "We simply gave Cristie Data our requirements and they tailored something that fits us perfectly. They even came to the site and did all the installation and configurations for us. It was really straightforward"

The Nu-Pro IT team has been trained to restore data and carry out basic disaster recovery testing, however recovery of data can also be performed by the Cristie Managed Services team if instructed by pre-defined IT administrators at Nu-Pro. This allows for additional support for Nu-Pro should their critical IT admins be unavailable to perform restores.

The Results

Nu-Pro now has a cost-efficient backup solution that provides enhanced data protection and has significantly improved backup resiliency across its two sites. The backup solution is industry compliant, simple to use and fully managed. This has freed the IT team to work on other important daily tasks and projects.

Nu-Pro is regularly audited to ensure that it is working to industry best practice and maintaining its extensive list of accreditations. With the importance around data cataloging and retention in the aerospace and defence industries, auditors will often check that the correct requirements are being met for the backups. With the new solution it's a lot easier to prove to them that the backups are reliable. This is because Arcserve UDP includes a feature called Assured Recovery (ASR) which allows automated and scheduled backup recovery testing for Windows and Linux systems. This is configured as part of the Cristie Cloud managed

service, ensuring that Nu-Pro is fully compliant with ISO 27001. Regular testing of backups is critical and ASR gives the customer and its ISO auditors confidence that this is happening.

"There are numerous threats out there that are constantly changing and evolving and there's no doubt that this new solution has helped enhanced our data security and data protection, right across the business," Aaron Young explains. "It's made recovering data so much more efficient. It takes seconds or minutes now, instead of days. It's great to know that someone is watching over our backups every hour of the day."

Cristie Data is continuing to work in partnership with Nu-Pro to further improve the company's IT infrastructure.

"Our backup solution was taking almost a day out of the working week and we would still have to check that the backups were happening. It took up time we didn't have," says Aaron. "Now I don't have to worry about whether the backups have taken place or what will happen in the event of data loss, Cristie just do their magic in the background. It's given me real peace of mind."

About Nu-Pro

Nu-Pro Limited is a key manufacturing solution for the aerospace and defence industries. Nu-Pro's products and services support the major industry programmes and it continues to develop new process streams for the next generation of aircraft. For more information visit www.nu-pro.com

About Cristie Data

Cristie Data has been an IT infrastructure and data management specialist for over 40 years. We take a consultative and platform agnostic approach to any customer project and advice on the solutions that are best aligned to your business. For more information go to www.cristie.co.uk