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Acronis Protects World's Largest Alumina Refinery from Data Loss

Hydro Alunorte selects Acronis Backup Advanced to reduce recovery times, increase resilience, and protect from data disasters

Business Summary
Located at Barcarena Industrial Complex in Pará, Brazil, Hydro Alunorte is the largest alumina refinery in the world. After three expansions over its 20-year history, it has a capacity of over six million metric tons today, which is more than the alumina production of Western Europe or the United States.

Hydro Alunorte was using Norton Ghost™ for backup and recovery, manually backing up their systems to DVDs, which were stored in a safe on a different floor. In some cases, it could take up to two days to recover some systems from the DVDs, a significantly longer time than the company's target Recovery Time Objective (RTO) of two to four hours. And, if system downtime impacted the production plant, it could cost Hydro Alunorte as much as

SECTOR
Mining

KEY CHALLENGES
- Unacceptable downtime
- Inability to restore to dissimilar hardware
- Failure to reach Recovery Time Objectives (RTOs)

KEY REQUIREMENTS
- Back up complete systems, fast
- Recover to dissimilar hardware
- Reduce storage capacity requirements
- Reduce network load during backups

IT INFRASTRUCTURE
- Four VMware vSphere ESXi hosts
- 28 physical servers (Windows Server® 2012)
- 70 workstations (Windows® 7)
- 3,500 users

KEY BENEFITS
- 50 percent faster backups
- The ability to recover to dissimilar hardware
- Reduced RTO from 2 days to 2 hours

US $4.2 million every day.The RTO problem prompted Hydro Alunorte to perform a vulnerability analysis of its recovery capabilities in disaster situations. The analysis concluded that the company's data protection approach was not meeting its business and information security requirements.

In addition to not delivering the required RTOs, Norton Ghost did not support recovery to dissimilar hardware. This caused difficulties when older hardware malfunctioned because the company could not locate identical replacements in many situations.

The Solution

Hydro Alunorte selected Acronis Backup Advanced based on recommendations from their preferred partner, Stock Distribution group, and their technology automation supplier, ABB (ASEA Brown Boveri).

Even in early implementation stages, Hydro Alunorte experienced a 50 percent speed improvement in system backup and reduced network utilization due to the advanced deduplication feature, that also saved 2.7TB in network storage.

Acronis Backup Advanced helped the company to significantly increase the infrastructure resilience and have a clear disaster recovery plan.

Antonio Cesar Ribeiro Courbassier, IS/IT Infrastructure Manager at Hydro Alunorte explains: "*Acronis has helped us address problems with prolonged downtimes, data loss, and recovery failures. With Acronis, we have significantly improved our RTOs and Recovery Point Objectives (RPOs). We find Acronis is the best solution to protect our data and support our disaster recovery plan.*"

About Acronis

Acronis sets the standard for hybrid cloud IT data protection through its backup, ransomware Active Protection, disaster recovery, and secure file sync and share solutions. Powered by the Acronis AnyData Engine and set apart by its image technology, Acronis delivers easy, fast, complete and affordable data protection of all files, applications and operating systems across any environment – virtual, physical, cloud, mobile and applications.

Founded in 2003, Acronis protects the data of over 5 million consumers and 500,000 businesses in over 150 countries and 18 languages. With more than 100 patents, Acronis products are consistently named best product of the year and cover a range of features, including migration, cloning, and replication. Today, Acronis solutions are available worldwide through a global network of service providers, distributors, and cloud resellers.

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