MINEMAN has more than twenty years' experience in minerals commodity trading and provides leading software and services solutions for marketing, financial and logistics management for a range of concentrates and metals. MINEMAN's solutions integrate metal sales, trading, financials and logistics activities into a single, cloud-based system, enabling high value real-time transactions and reporting from anywhere across the globe for some of the world's largest mining companies.

VISION

MINEMAN has been an early adopter of utility based computing by delivering their customer facing systems in hosted data centre facilities within Australia and the UK since 2007.

Over time, these environments have evolved to be increasingly complex and costly to support and the infrastructure architecture presented potential business continuity risks.

Although reducing cost was one of the key considerations of re-platforming the environment, MINEMAN's primary objective was to establish redundancy across their services portfolio whilst maintaining service level targets greater than 99.95%.

MINEMAN also wanted the ability to more quickly respond to their customers' changing business requirements. This called for agility within the platform and the ability to quickly service new geographies, particularly in Europe, the Middle-East, Africa and the Americas.

> The decision to select AWS as the preferred platform for its global customer base was a no-brainer. They are clear market leaders and will be here for the long haul, so we will hitch our wagon to them.

OMAR ADAMSON
MANAGING DIRECTOR AND FOUNDER OF MINEMAN

> estrat played a pivotal role in proving the feasibility and 'fit' of the AWS platform, given our requirements for global coverage and high availability. They quickly demonstrated that we could be confident that our investment would yield cost savings, as well as other strategic benefits we were after.

JAMIE ANDERSON
MINEMAN'S GENERAL MANAGER

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CONSULTING PARTNER

MINEMAN Systems
Metal Sales. One System. One Solution.

CONSULT   IMPLEMENT   MANAGE   CLOUD

TRACTION

Once the business case was ratified, estrat's approach was to build a proof of concept (POC) for the end-to-end migration of the Sydney data centre environment. The POC validated the proper functionality of the application, interoperability with integrated systems, and simulated the overall performance of MINEMAN within the AWS platform. The POC also provided an opportunity for the MINEMAN team to test AWS' high availability and disaster recovery functionality.

Amazon's Virtual Private Cloud (Amazon VPC) was used to provide a secure, isolated environment for each data centre instance with Amazon Elastic Compute Cloud (Amazon EC2) to run seven full-time instances ranging from t2.medium to m4.xlarge.

The POC was effectively completed within three months which provided sufficient time for MINEMAN to successfully migrate into the AWS APAC platform before having to enter into another long term hosting contract with their current provider.

 "estrat guided us through the POC step by step, providing experienced technical assistance and project management to keep things on track," said Jamie Anderson, "which ensured that everything was in order for our critical customer migrations."

With such positive results in the APAC region, MINEMAN had the confidence to bring forward the migration of their EMEA customer base. Using automation tools and templates, estrat deployed a fully functional EMEA Amazon VPC within five working days. This meant MINEMAN could easily migrate customers off the UK-based legacy platform onto a mirrored image of the APAC Amazon VPC gaining further cost savings.

The diagram below provides an overview of the deployed architecture:
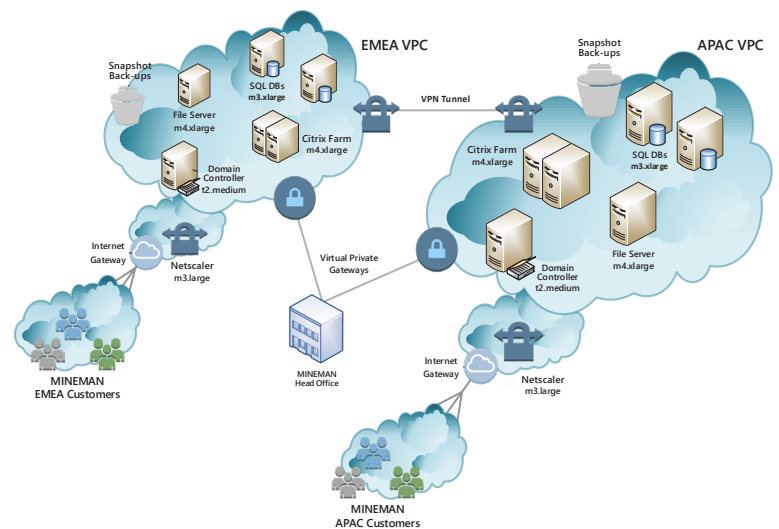
RESULTS

By taking a "run the environment hot" approach, MINEMAN was able to reduce Infrastructure Services cost by fifty percent. Just-in-time provisioning of new services has also improved MINEMAN's operating margins for new customers, as costs are only incurred as new revenue streams are generated.

"The estrat team were with us all the way. It was clear that they understood the nuances of cloud technologies and had a close relationship with AWS, which gave us confidence and enabled us to quickly and safely migrate our customers onto the new platform." Jamie added, "It was this positive experience that led us to contract the estrat team to also provide us

with a 24/7 Managed Service for our Infrastructure Systems platform."

"Another benefit that the AWS platform provided was the ability to provide assurances that the underlying infrastructure complies with a range of standards, with ISO27001, SOC 1 and ISO9001, being of particular importance to our customers."

Mr Anderson concluded "The project has certainly given us flexibility, security and enhanced resilience which would have been very difficult and costly to do, using traditional solutions."