

COMMS ROOM SERVICES

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465

Newmont Mining Corporation Case Study

Data centre for remote African location

THE CHALLENGE

Newmont Mining Corporation is one of the world's largest gold producers with significant assets or operations on five continents. In Ghana, West Africa, a data centre was required for their Akyem project. It was required quickly and it was required fully equipped, 'ready to run'.

THE SOLUTION

Mod-u-Pod from Comms Room Services was the solution. Mod-u-Pod builds on the modular server room concept, equipping the 'shell', to client specification, to become a fully equipped and fully operational server room. The Newmont pod was built off-site in the UK to be complete and ready to use upon arrival at the customer site in West Africa. Construction included pre-installation of an external access ramp, raised floor with vent tiles, false ceiling for hot air return, lighting system including PIR system for 'lights out' operation, plastic cold aisle curtain containment,

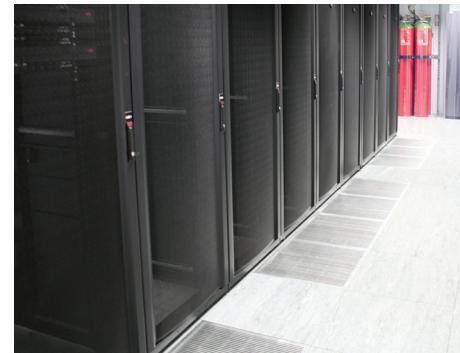
electrics, 3 x 30kva APC UPS power backup systems supporting 48kws of IT load, 3x28kw air conditioning units, 12 core inter cabinet fibres to nine cabinets and under floor containment for data.

Safety and environmental systems were also high on the agenda with an IG100 nitrogen fire suppression system, Vesda type high sensitivity smoke detection and environmental systems including shut down system, room over temperature module, water detection system and callout system. The environmental system is a true 'stand alone system'.



"I would like to thank Comms Room Services for the outstanding and very professional service that we received during and after the complicated build of our Primary Data Centre which will be utilised at one of our large mining sites in Ghana, West Africa.**"**

Sean O'Hara, IT Manager - Akyem Project, Newmont Gold.



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465

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It is connected to the hardware that supports the server room, it has a direct connection to the fire suppression and UPS systems and has its own self-contained backup 24-hour battery pack.

The construction phase, completed within seven weeks, was followed by specialist packaging inside and out of the data centre, road transportation to Tilbury and then shipping by sea to Ghana for onward road transportation. On arrival at the customer site the Mod-u-Pod can be located wherever it is needed, without any disruptive building work and could be re-deployed to another location if required. The project was procured from Australia and liaison with the customer in Africa was managed remotely through a comprehensive project plan and bi-weekly project reports.

THE BENEFITS

Newmont now has an external data centre, completed to their very high standards of specification and finish, which arrived on site fully wired and equipped ready for use. The Mod-u-Pod from Comms Room Services delivers high specification, ready built and equipped data centres to remote locations.



“ Comms Room Services provided an excellent external, fit for purpose data centre construction solution to meet our very high standards of specification and finish. And, they successfully completed the Akyem Primary Data Centre project a month ahead of schedule and within budget. I would certainly recommend Comms Room Services for future projects. ”

Sean O'Hara, IT Manager - Akyem Project, Newmont Gold.

