



## **Clough Gets The Good Oil From ADC KRONE**

**New solution allows one Gigabit to the desktop**

### CASE STUDY

#### **CHALLENGE**

Clough has offices spread across several buildings in the Perth CBD. Recently, the company decided to progressively refurbish its headquarters floor by floor and to upgrade its cabling to provide a faster, more reliable communications network capable of delivering services such as Voice over IP (VoIP).

#### **STRATEGY**

Once the solution's requirements were clearly defined, it was clear that that ADC KRONE's TrueNet® Category 6 structured cabling solution was perfect. Its user-friendly RJ45 patching and high performance characteristics were ideal for Clough's needs.

#### **RESULTS**

Clough now has a very stable, high-performance network that delivers more bandwidth to the desktop. Clough is in the process of acquiring more hardware to assist with attaining one Gigabit to the desktop, but the network is now in place to support the company's immediate and future needs. When Clough migrates to VoIP, the ADC KRONE TrueNet solution will make it a seamless and trouble-free process with no surprises





Danny Smith (left) from Cable 8 and Keith Lawrence (right) from Clough examine the setup.

Clough was established in 1919 as building company J. O. Clough and Son in Perth, WA. Today, Clough is a global public company with an international reputation for excellence in engineering, construction and operation and maintenance services focusing on the offshore oil and gas industry.

With more than 4,000 personnel around the world, Clough delivers world-class solutions in the most remote and isolated regions of Australia, Asia, the South Pacific, the Middle East and the deepwater offshore provinces of the world.

Clough has offices spread across several buildings in the Perth CBD, but has had the same headquarters for the past two decades. Recently, the company decided to progressively refurbish its headquarters floor by floor. The company also decided to take advantage of this natural disruption to upgrade its cabling to provide a faster, more reliable communications network capable of delivering services such as Voice over IP (VoIP).

## Refurbishment Extends To Network Upgrade

Because Clough has maintained the same headquarters for so many years, the existing network cabling was an ageing mishmash of different vendors and standards. The existing server room was also outdated, no longer meeting the needs of a modern, dynamic and global company. It was becoming difficult to maintain services including data and telephones. Clough needed to upgrade its existing cabling to a Category 6 structured cabling solution, as well as build a new server room to overcome these problems.

"We wanted to provide one Gigabit to the desktop," explains Clough's IT Administrator, Keith Lawrence. "We had to find a solution that could do this and more – it needed to support us both now and well into the future."

## New Solution Proves Ideal

Once the solution's requirements were clearly defined, it was clear to Keith Lawrence and his team that that ADC KRONE's TrueNet Category 6 structured cabling solution was perfect. Its user-friendly RJ45 patching and high performance characteristics were ideal for Clough's needs.

"ADC KRONE for us is the industry standard, I knew that it would be completely reliable and that I would have no issues with it," says Keith. "I preferred ADC KRONE from the very beginning, so the only thing left to do was to get started!"

Clough enlisted the help of ADC KRONE-certified electrical communications contractor Cable 8 to install the cabling.



Patch cord layout facilities make easy identification.

## Installation team overcomes hurdles

Because of the difficulties in obtaining short-term floor space in the Perth CBD, it was quickly determined that Clough's personnel would not be able to move out of the building while the renovations took place. The refurbishment would therefore have to take place in two parts: firstly, one side of the floor was completely overhauled including new workstations and offices, a completely new ceiling and all new lighting, power and data communications services; secondly, the other side was maintained as a live office and all Clough personnel were moved into the new area while the second half of the floor was completed.

Keeping the existing cabling infrastructure active whilst completely refitting the offices was a significant challenge for the installation team. In addition, the server room was designed to match one of Clough's existing data rooms overseas. This presented a problem for Cable 8 because the overhead tray work, which is integral to the server room's cabling infrastructure, is no longer available in Australia. Cable 8 had to design an alternative, using a mix of local products and creative engineering.

"There were quite a few hurdles to overcome during the installation, all of which were surmounted very quickly by Cable 8 and ADC KRONE," says Keith. "Cable 8 had to fabricate non-standard shelving trays, which turned out great. They managed to get the installation and refit done without our customers



Masterminder Cable at rear of rack.

even being aware of what was happening. A lot of the work had to be done outside office hours so we were really pleased that both the Cable 8 and ADC KRONE team were always able to accommodate us, in both resourcing and providing expertise."

## Stability and higher performance achieved

Clough started seeing benefits as soon as the new cabling was in place.

"We now have a very stable, high-performance network that has absolutely delivered on our goal of delivering more bandwidth to the desktop. We're in the process of acquiring more hardware to assist with attaining one Gigabit to the desktop, but the network is now in place to support our immediate needs and our future requirements," says Keith.

"Additionally, when we migrate to VoIP, the ADC KRONE TrueNet solution will make it a seamless and trouble-free process with no surprises. We're delighted with the work that Cable 8 did to install the solution and we know we made the right decision when we chose ADC KRONE," he concludes.



Good cable support at top entry to cabinet.

CASE STUDY



KRONE



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