



## Fisher & Paykel's great cabling solution means a good night's sleep

CASE STUDY

“At Fisher & Paykel Healthcare we believe everyone should enjoy a good night’s sleep. We’ve based our business on this belief.” While this may underpin the design and manufacture of Fisher & Paykel Healthcare products, it flows through to those technicians who have to manage the hardware and software solutions.

Fisher & Paykel Healthcare (FPH) is a leading designer and manufacturer of heated humidification products and systems for use in respiratory care and the treatment of obstructive sleep apnea. A core value and strength of the company is the integration of research and development right through to product manufacture. They also produce a range of innovative patient warming devices and neonatal care products.

Prior to November 2001 the Healthcare division was part of Fisher & Paykel Industries. Separate companies for Appliances and Healthcare were then formed. Based in Auckland New Zealand, the company’s healthcare products are sold in over 90 countries worldwide.

The corporation has four main divisions: Obstructive Sleep Apnea, Respiratory Humidification, Operating Room and Neonatal. Housing over 842 staff in a 28,000m<sup>2</sup> facility, an additional 23,300m<sup>2</sup> site is under construction in Auckland that will primarily be occupied by the Obstructive Sleep Apnea product group.





Fisher & Paykel's Global Headquarters in New Zealand.

### A Clean Slate

This new building has offered a clean slate with a fresh approach to managing structured cabling and patch cords.

The typical downtime scenario of 'un-plug/untangle/re-patch' was a potential bottleneck in future development and network expansion requirements. It directly affects business output and this was addressed in the ADC KRONE cabling solutions.

FPH key network requirements were to eliminate redundancy and ensure maximum reliability. It also had to be easy to use.

Increasingly, the end-user downtime is diminishing. With production heading towards 24-hour/7-day capacity year round, the opportunities for low impact maintenance periods, such as the Christmas period, are fast reducing.

### Smart and Practical

The new facility has two main comms rooms with two satellite rooms to service the entire building. This is the first time FPH has used ADC KRONE products to supply the cabling and connectivity for the four rooms.

The fantastic opportunity presented when starting from scratch has enabled maximised design efficiency of cable management and housing. TrueNet® Category 6 Solutions were implemented

using HighBand® 25 and ADC KRONE STP cable.

Glenn Schäche, the FPH Technical Team Leader explains "The cost-effectiveness of using jumper wire rather than patch cable will enable us to invest more in other areas and deliver a cost-saving over time. In a large project such as a new building, any cost saving is welcomed."

Another major component for FPH in solving the physical installation was the practical advice given by ADC KRONE. They offered expertise on how to manage systems better and reduce operational costs while not bypassing the important process of consulting the end users.

"The fact that ADC KRONE takes the time to get involved in the whole cabling process... guarantee(s) that our infrastructure can do what it is supposed to (and) gives us the confidence that we can deliver what our users want and need to the desktop. We don't have to worry about the cabling and can concentrate on what we know best - the hardware and software on our system," said Schäche.

### The jungle belongs in the Congo, not the communications room

Schäche comments on the installation: "I like the tidiness of the solution. It looks much better than the patch cord jungle. The visibility of the changes makes it a great plus."

"I think the key reason we decided on the



Injected moulding machine.

ADC KRONE solution is that is very neat and organised. It makes it easy to see where changes have occurred. Having worked at the coalface before, I know how frustrating troubleshooting a normal Cat 5 cable maze can be. The ability to quickly change or redirect a particular port as an exception is a bonus. The days of the Christmas holiday patch panel tidy-up are numbered.”

The FPH technical team currently manages the switches, hubs and patching in the existing facility. They are looking forward to the time benefits of easy traceability of cables and fast identification of patch exceptions in the new building.

“Fisher & Paykel saw the advantage of working with ADC KRONE with the after sales service in the way of warranty and network testing a huge benefit in being able to control and maintain the network.” (Peter Kaad, ADC KRONE Northern Regional Manager).

Although the main end-user is PC based, some with large engineering CAD file transfers, down the track FPH are looking to integrate voice solutions. Using the ADC KRONE HighBand® 25, the performance aspects of future are taken care of. The ADC KRONE solution offers the immediate benefit of superior performance, however upgrading to 10 Gbps Ethernet transmission exists already in this technology. Complete with ADC KRONE's comprehensive 20-year warranty, Fisher & Paykel Healthcare are well set with TrueNet®.



The new HighBand® 25 system in Fisher & Paykel's communications room.

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**[www.adckrone.com/au](http://www.adckrone.com/au)**

AUSTRALIA 2 Hereford Street, Berkeley Vale NSW 2261  
Mailing Address: PO Box 335, Wyong NSW 2259, Australia  
Sales Support: 1800 801 298

**[www.adckrone.com/nz](http://www.adckrone.com/nz)**

NEW ZEALAND 2 Nevis Street, Petone, Wellington  
Mailing Address: PO Box 38-177, Wellington Mail Centre 6008, New Zealand  
Sales Support: 0800 657 663

ADC Telecommunications, Inc., P.O. Box 1101, Minneapolis, Minnesota USA 55440-1101  
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