

## Intergy large system for submarine cable

The Powerware company in Malaysia, Swichtec Power Systems, has recently been involved in the installation and commissioning of a major power system for the Malaysia terminal of the Asia Pacific Cable Network 2 (APCN 2).

The installation comprises two systems each rated at 6,000A DC using Intergy R5848, 5800W rectifier modules. It has been installed at the Telekom Malaysia submarine landing site in Cherating, a seaside retreat in the state of Pahang on the South China Sea; approximately 4 hours drive from the capital of Kuala Lumpur.

Telekom Malaysia Berhad provides voice and data services to customers throughout Malaysia. Previously government owned, it is today the largest fixed line provider in the country. With approximately 25,000 employees the company provides a wide variety of services including ISP, mobile phone and fiber optic networks.

The Intergy power systems are among the most complex designed and built by Swichtec in Malaysia. The system integration, engineering design support, system commissioning and training was done entirely by Powerware engineers.

The two independent systems have been designed so that either can power the cable network making the installation as fail safe as any in the world.

Powerware has had an ongoing relationship with Telekom Malaysia providing DC power systems since 1991. With the successful implementation of the large power systems at Cherating, the company is looking forward to more applications for Intergy large systems in Malaysia.



### About APCN 2:

- Enormous bandwidth of 2,560 gigabits per second, large enough to handle more than 33 million telephone conversations simultaneously, assuming a circuit speed of 64 kilobits per second
- State-of -the-art Dense Wavelength Division Multiplexing, a new technology enabling large-volume information transmissions via various wavelengths on a single optical fiber
- Self-healing ring configuration which prompts instant re-routing of data transfers along APCN 2 in event of cable-system disruptions
- Direct connections to major Asian countries.