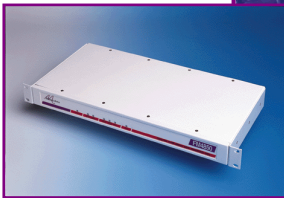
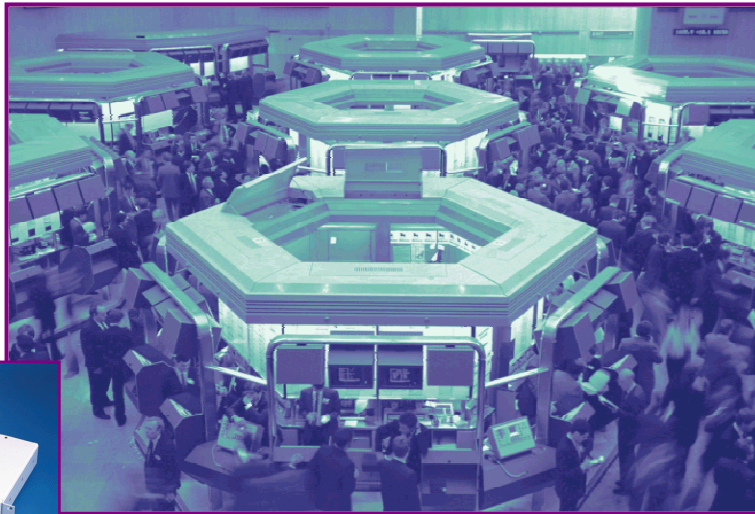




Redundancy and load balancing main requirements for Deutsche Bank choosing Metrodata FM4850

Founded in 1989 Metrodata are leading designers, manufacturers and suppliers of high performance multimedia voice and data systems. Providing the connection between local and wide area networks, Metrodata have established an enviable worldwide reputation in this high speed market.

Based near Heathrow Airport, Metrodata is a UK company with a European focus. It's relentless determination to keep at the forefront of the data and telecommunications industry has made it one of the fastest growing telecoms companies in the UK.



The FM4850 - Equipment choice for Deutsche Bank

Deutsche Bank is the leading bank in the Euro-region and one of the largest banks in the world. From its Singapore office it offers a full range of corporate, investment and private banking products to the Asia Pacific Region.

Deutsche Bank (Singapore) chose the Metrodata FM4850 to connect the Deutsche Bank Temasek Tower with their remote office in Telepark, via redundant 8Mbit/s links.

The reason for using 2 x 8Mbit/s links was to provide load balancing as well as redundancy in Deutsche Bank's network. In the event of a link failure, all the traffic in the failed link would immediately be directed to the working connection.

One of the main reasons Deutsche Bank chose the Metrodata FM4850 HSSI DSU's was due to the management facilities. Network administrators were able to manage and monitor network traffic in the DSU using the SNMP management software HP Openview.

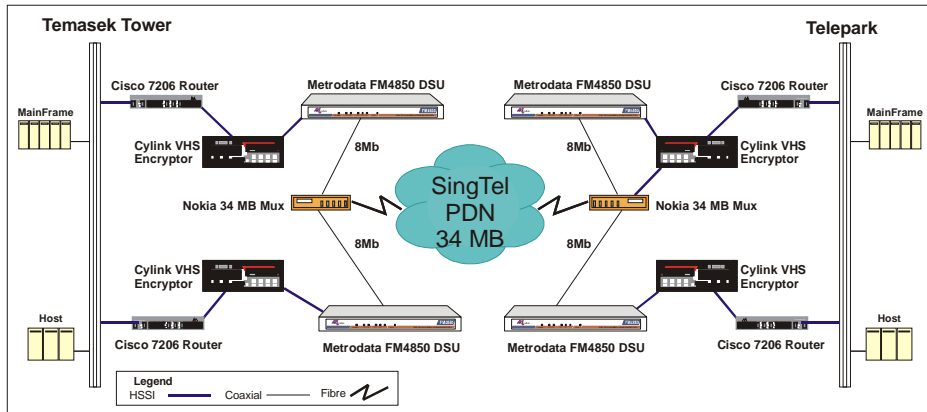
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The FM4850 provides E2 connectivity to a HSSI (High Speed Serial Interface) port on the customer's device. As with all other financial institutions Deutsche Bank's data contains sensitive material and therefore Cylink's CIDEK-VHS encryptor's are implemented between the FM4850 and Cisco's 7206 router.

A HSSI interface on both the Cylink and Cisco equipment offers the advantage of possible future connectivity to an E3 service via a Metrodata FM4900.

This ensures an easy and cost effective migration path without major network design changes.



Application of Metrodata's FM4850 in Deutsche Bank, Singapore

The FM4850 DSU features:

- ◆ High Spec E2 G.703 8.448 Mbit/s interfacing
- ◆ HSSI DTE Port
- ◆ Remote configuration & testing of units across the network
- ◆ Comprehensive performance monitoring
- ◆ Optional SNMP Management
- ◆ E3 34.368 Mbit/s migration path
- ◆ Built to European Standards

"As a consultant to Deutsche Bank we opted for Metrodata because it offers a simple network migration path, and therefore guarantees low cost of upgrading the network"

**Trevor Collins, Director,
Corfe Communication**

To find out about Metrodata products and services visit our website www.metrodata.co.uk or ring us on +44 (0)1784

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