

Case Study



Multiservice Access Government Kwangju Railway, Republic of Korea



RAD's excellent name in the Korean market as a vendor of reliable, cost-effective equipment, the versatility of the equipment itself and RAD's track record in these other major government projects in South Korea were the main factors in being chosen for the Kwangju rail project.

Goal

To supply a complete access solution to serve the fiber optic data and voice network

Solution

RAD's Megaplex-2100 multiservice access multiplexer, deployed at each railway station, provides access for voice, including hotlines, and low speed data such as timetables. RAD's DXC-30 multiservice access node connects the two fiber SDH rings and provides grooming between them.

Benefits of RAD's MAP

Products

- Reliable
- Versatile
- Cost-effective

RAD to Supply SDH Access Solution for Korean Government Railway

Fiber Optic Network to Connect Central and Local Stations

RAD has been selected to supply a complete access solution that will serve the fiber optic data and voice network that is being planned for the railway serving Kwangju, a South Korean city of more than 1.3 million people.

The Government Kwangju Railway's star topology network will connect a total of 24 local stations to the central station. The SDH (Synchronous Data Hierarchy) network will be based on two fiber optic rings operating at STM-4 speeds of 622 Mbps. The first ring, which will be completed later this year, will encompass 16 stations, while the other ring, which will be completed in 2004, will encompass the remaining eight stations.

The RAD solution is based on the Megaplex-2100™ multiservice access multiplexer, which will be deployed at each railway station to provide access for voice, including hotlines, and low speed data such as timetables. The two network rings will be connected by RAD's DXC-30™ multiservice access node, which will provide grooming between them. Megaplex™ and DXC™ products are members of RAD's popular multiservice access platform (MAP™). The RAD equipment will be centrally managed by the RADview™ SNMP management system.

RAD's Korean partners in the project are Jung Myung Telecom and Tellord Systems, which will also serve as access system integrators. LG INS, a company belonging to the Korean conglomerate LG's business group, is the overall system integrator.

Multiservice Access



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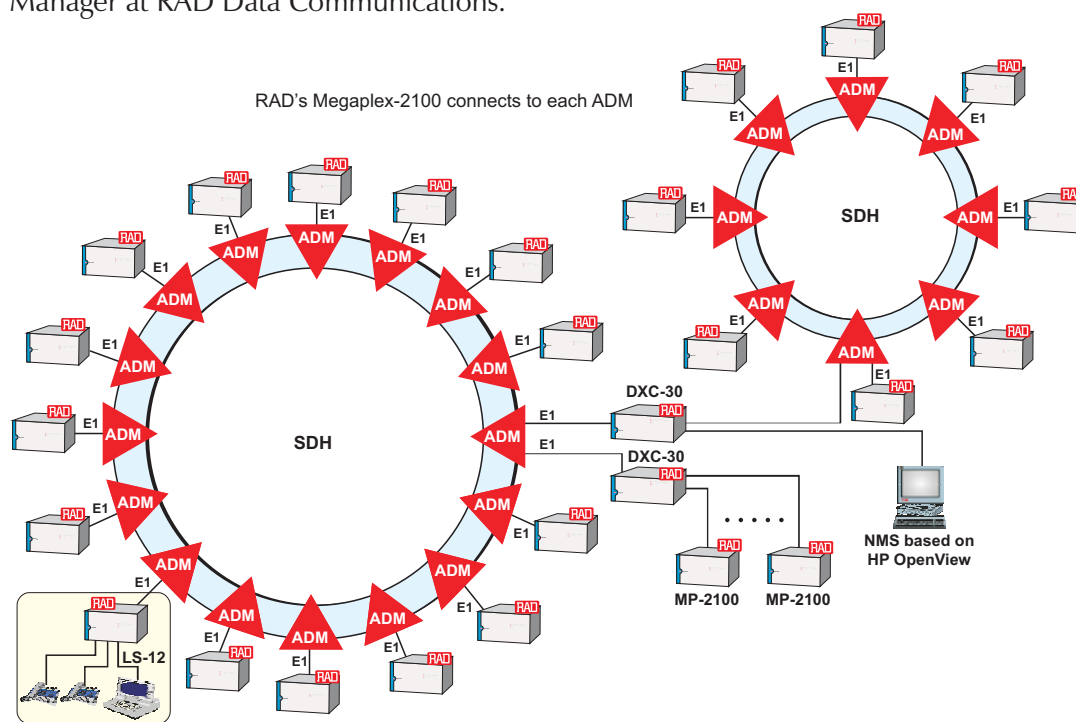
Government Kwangju Railway, Republic of Korea

RAD products provide access for voice, including hotlines, and low speed data.



Latest in a Series of Korean Projects

This is the latest in a series of important tenders that RAD has recently won to supply telecommunications access equipment for transportation-related projects in Korea. Others include access networks for the Korea High Speed Rail Construction Authority's railway from Seoul to Pusan and the new Incheon airport. "RAD's excellent name in the Korean market as a vendor of reliable, cost-effective equipment, the versatility of the equipment itself and our track record in these and other major government projects in South Korea were the main factors in being chosen for the Kwangju rail project," states David Oberman, Regional Sales Manager at RAD Data Communications.



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