



O Σ K
"School Building Organization"

Case Study

TDMoIP network
for OSK

1. The Customer: The "School Building Organization" was founded in 1962 to implement the construction and upgrade of school buildings in the frame of the Educational Policy of the Ministry of Education. In 1998 the Organization was converted into a company, named «Organization for School Buildings S.A », with the purpose of serving the public interest. The Organization has developed a wide range of activities related to the formulation, development and modernization of educational infrastructure, directly in the Region of Attica and indirectly in the rest of the country, provided that the procedures foreseen by the existing legal frame are met.

2. The need: OSK organization mainly needed to provide telecommunication capabilities to their employees regardless their location inside a group of buildings in a certain area of Athens. Moreover, each user should be able to enjoy voice and data communication in a WAN environment keeping all the characteristics of one common network.

3. The system used:

- 1 x Communication Platform (Coral FlexiCom 5000)
- 1 x Communication Platform (Coral FlexiCom 400)
- 1 x Communication Platform (Coral FlexiCom 200)
- 6 x E1 to Ethernet system (IPmux-11)



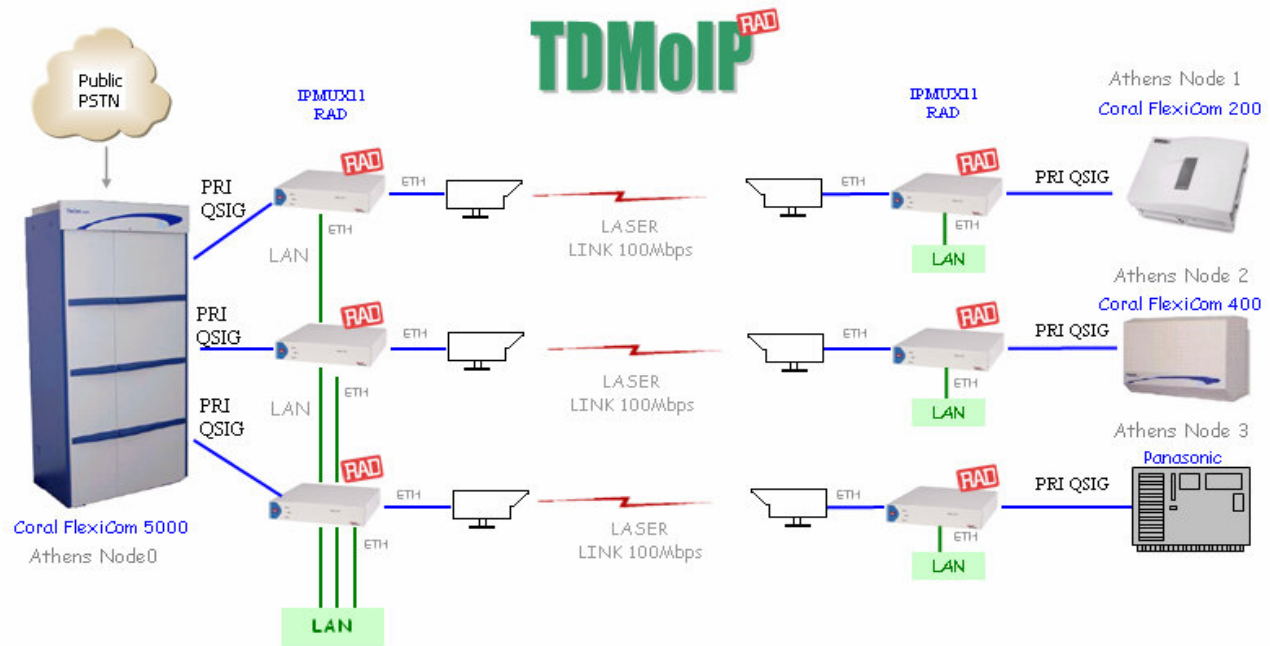
data communications

4. The results:

- Common data and voice network for four sites.
- Creation of voice/data network, ensuring priority - QoS - for voice traffic against data traffic.
- DDI from the central site to any remote user justifying the OSK's image to any outside caller.
- Future expandability through additional remote nodes.
- Elimination of network expenses without compromising functionality
- Enjoying the privilege of TDMoIP technology

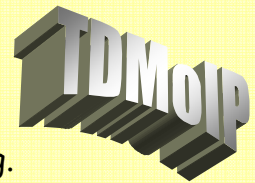
5. The network:

The following diagram represents how the data & voice network is implemented between the central node and the remote sites of OSK's organization.



6. TDMoIP Benefits:

- Significant cost saving by eliminating the point-to-point E1 leased lines
- Low cost of ownership - Fast Payback.
- No replacement of already installed PBX
- Transparent to signaling and protocols.
- Support of legacy PBX, including proprietary features and signaling.
- Low latency meets QoS requirements.



7. about RAD : Founded in 1981, RAD Data Communications is now marking 25 years of innovation as an industry leader in the development of access solutions for data and telecommunications applications. RAD's solutions serve the data and voice access requirements of service providers, incumbent and new carriers, and enterprise networks, by reducing infrastructure investment costs while boosting competitiveness and profitability. The company's installed base exceeds 10,000,000 units and includes more than 150 carriers and operators around the world. These customers are supported by 23 RAD offices and more than 300 channel partners in 164 countries.

8. about MARAC: Founded in 1976 in Piraeus with activities related to telecommunications and information technology the company is also a pioneer in research and development as well as production of high technology products, for the Greek and foreign markets. MARAC is certified according to ISO 9001:2000 since 1996 and provides system integration and complex solutions to big customers. It is listed in the Athens Stock Exchange and has subsidiaries and affiliate companies in Romania, Bulgaria, Serbia, Albania and Ukraine.



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