



Case:

Communication System with simultaneous Data Transmission and Video Conferencing

Client:

Deutsche Telekom AG, Germany

Problem:

Offer a continent-wide and transcontinental total communication package that can be used like a telephone and provide speed and ease of access with cost effectiveness against international competition and provide the data security required in point-to-point communication links across satellites. Data security on communication lines is a more and more difficult problem with hackers having access to inexpensive communication equipment. How to remain competitive for an international clientele who requires joint services on all data communication fronts.

Aim:

Provide existing large international client base with a new service through a proprietary device that gives the advantage of a total communication package for the user based on flexible satellite technology for video conferencing, voice channels, and data communication in one and the same proprietary user channel. Markets are developing fast for video conferencing with data transmission and on-line computer access in databases, joint document editing and training

ICRA solution:

The ICRA data compression and encryption technology provides application specific data compression and encryption, linked to the client's data structure. High compression ratios allow the MCS system by Deutsche Telekom to exploit fully the advantages of a dial up satellite service with high quality video conferencing and simultaneous high speed data transfer on various bandwidths (from 64 KB/sec. up to 2 Mbits/sec.).

The inherent data security through the ICRA communication device, enhanced through individual encryption on the client's data provides a total system solution for faster data communication and secure transmission. This is particularly important on satellite channels.