



SHAPING THE FUTURE OF SATELLITE COMMUNICATIONS



Russian Satellite Communications Company
Federal State Unitary Enterprise

RSCC and Detasad signed an agreement on establishing a high-speed backbone link via the Express-AM22 satellite using advanced DVB/S2 modem and IP encapsulation technology from Newtec.

Dubai, 25 July 2006. The Russian Satellite Communications Company (RSCC) and the Saudi-German Telecommunications Company Detecon Al Saudi (Detasad) have signed an Agreement of leasing a 54 MHz transponder on the Express-AM22 satellite (53 East) in order to establish a high-speed backbone link between Austria and the Middle East.

The technical capabilities of the Express-AM22 satellite and the most advanced ground facilities of Detasad and its gateway partner Telekom Austria enabled a communications channel between Europe and the Middle East featuring a high quality and **a unique high speed of about 130 Mbps. Due to NEWTEC modulator and demodulator DVB-S2 technology used by Detasad the 54 MHz transponder has more than a doubled efficiency in comparison with usually applied standards. The most advanced technologies were used while deploying the network with the highest MHz capacity utilization factor being surpassed by 15 per cent. The offered technical solution significantly enhanced the economic appeal of services and opened up new capabilities of modern satellite communications to customers.**

The high-speed backbone link is intended for providing a service package based on the IP-protocol, namely for Internet access.

"Implementation of this project is a result of international cooperation between RSCC, Detasad and Telecom Austria. We pay a great attention to developing partnership programs based on state-of-the-art technologies and intended for providing customers with a complex service. The Express-AM spacecraft capabilities allow RSCC to offer the most advanced solutions onto the highly competitive satellite communications world market," noted Igor Zabolotny, RSCC' General director deputy for business development.

"The combination of latest state of the art transmission technology, powerful transponder capacity of Express-AM satellite and high professional engineering know how of the Detasad engineers has allowed us to implement an communication service of outstanding operational and commercial parameters. This service demonstrates the leading competency of Detasad in the field of satellite services in the Middle East," stated Dr. Harald Stange, the Director of Detasad VSAT Business Unit.

About RSCC

The Russian Express-AM22 satellite (53 East) was delivered into the orbit in December 2003 and designed to provide a large range of telecommunications services i.e.: TV & Radio broadcasting, data transmission, broadband Internet access, telephony, video conferencing as well as deployment of communications networks on the basis of VSAT technologies.

The Express-AM22 satellite covers the territory of Russia (from Kaliningrad to the Ural), CIS, Europe, the Middle East, and North Africa.

The Express-AM22 satellite was designed by NPO PM together with French Alcatel Space by request of RSCC and carries 24 Ku-band transponders (54 MHz). Its guaranteed orbital service life is 12 years, the station keeping accuracy is 0.05 (N&S/E&W). The Express-AM22 shaped antennas provide for an optimum signal distribution across the total footprints and for the availability of satellite antennas with diameters above 0.6 meters, its steerable beams are high-powered (up to 54 dBW in the footprint center).

About DETECON AL SAUDIA CO. LTD. (DETASAD)

Established in 1982 as a Saudi –German Company with kingdom-wide activities in the fields of Telecommunications.

With sound roots in Telecommunications Network Management, Consultancy, Planning, Design, and Operation and Maintenance of Networks we, at a very early stage, enhanced our service portfolio to cope with the trend of merging Information Technology, Media, Entertainment and Security Services.

Our capital is the accessibility to a pool of highly qualified experts in the demanding field of Information Technology and Telecommunications (ITC). These resources are made available to us through the affiliation of our German mother company with the Deutsche Telekom Group (German Telecom).

The company's head office in Riyadh is supported by operational units all over the country establishing kingdom-wide presence. Over the past twenty years, DETASAD has completed numerous Turnkey, Consultancy, and Operation & Maintenance contracts with satisfied clients like Saudi Telecom Co, Ministry of Post, Telegraphs and Telephones, Ministry of Information, Saudi Communications Commission, and Saudi Electricity Co. Consequently, our company has grown to one of the biggest companies in the Middle Eastern Information Technology and Telecommunication (ITC) market.

Dr. Harald W. Stange, Director Business Unit Satellite Services

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About Newtec

Since its establishment in 1985 in Belgium, Newtec has been among the market leaders of Satellite Communication, offering highly reliable products and solutions as DVB modulators, Digital TV & Radio Distribution networks, interactive TV networks and IP Broadband Access Networks to customers throughout the entire world.

With its ambitious policy of re-investment in R&D, Newtec is being recognized as the forerunner in several innovative satellite communication technologies, which eventually were published as industry standards (DVB, DVB-S2, DVB RCS and iSatTV Cenelec pr EN50478).

Newtec has regional offices located in Stamford (US), Singapore (Singapore), Beijing (China), Dubai (UAE), São Paulo (Brazil) and Johannesburg (South Africa).

Newtec is part of a group of companies that also includes Teamtec (manufacturing) in Belgium and Tellitec (IP software solutions) in Germany.

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