



Press release 26 07 06

Integrating Icarus Net and Skylogic technologies for Elettromeccanica Adriatica

VIDEO SURVEILLANCE SOLUTIONS AND DATA TRANSMISSION VIA SATELLITE FOR HYDROELECTRIC STATIONS AND INTAKE STRUCTURES CARRYING WATER TO THE POWER STATIONS

Elettromeccanica Adriatica S.p.A., one of the leading electricity suppliers in Italy, announces it has integrated new satellite and terrestrial technologies supplied by IcarusNet and Skylogic for remote monitoring and control of operations of its hydroelectric stations.

By restructuring its network infrastructure, Elettromeccanica Adriatica has created an integrated terrestrial, satellite and mobile radio (GPRS and GSM) communications system for ten remote sites, which include hydroelectric stations and intake structures that carry water to the stations. At no extra cost it has also installed new video surveillance systems for remote installations.

A webcam network, together with remote control systems for lighting surrounding areas, is used for video surveillance of the various installations and nearby structures. The overall system is an important tool for security, control and intervention in the event of issues arising from extreme weather conditions or difficult environmental circumstances. Hydroelectric stations are often situated in remote locations with difficult access. Remote surveillance applications, together with a satellite network make it possible to oversee all remote sites simultaneously, irrespective of their location, and will result in considerably reduced labour costs and more efficient operation.

Elettromeccanica Adriatica is the only electricity supplier in Italy to carry out complete automation of its installations. The company has many years experience in this sector and has successfully built and automated hydroelectric stations along the principal conduit of the Tennacola aqueduct in Italy's Ascoli Piceno and Macerata district.

Today, via the D-STAR service supplied by Skylogic and other integrated data transmission technologies, power stations are in constant communication with the central hub and with each other, thereby making the overall structure (spring-water intakes, surge tanks, power stations and conduit) as a single, autonomous, macro-installation.

The integrated two-way satellite network afforded by D-STAR also enables computer control systems to store statistical data, trends and status of all relevant parameters for the installations (power, pressure, vibration etc.). This makes it possible to carry out precise, programmed analysis to support routine and extraordinary maintenance. Remote updating can be done irrespective of the location of the installation and with no interruption to operations. In the event of a fault, emergency procedures can be enacted in real time (using GSM or fixed phone line support technologies) to inform all relevant operators and emergency maintenance squads.

Renato Farina, Deputy Executive Director and Sales Manager at Skylogic stated, "We are extremely satisfied with this new project. Our experience with IcarusNet and Elettromeccanica Adriatica demonstrates how a satellite solution makes it possible to continually integrate and develop new applications for business networks using the high degree of flexibility and scalability provided by Skylogic's two-way services that can deliver a full range of broadband solutions".

Fabrizio Carletta, Sole Administrator of IcarusNet, adds, “Network projects and solutions created using Skylogic’s D-STAR technology give the best results in the field as far as our activities and services are concerned. IcarusNet has invested strongly in know-how and support structures for specialist System and Network Integration skills. This has led to optimum applications in the supply of network solutions which, when combined with satellite technologies, ensure a complete, efficient response to clients’ needs in a range of market sectors”.

Elettromeccanica Adriatica Chairman, Roberto Benigni, stated, “We have made investments in terms of infrastructure, systems and training to realise the project for remote monitoring and control of our installations. We have attained results, flexibility and scalability of the entire system that have achieved the best possible effect in terms of economic outcome and service received”.

Elettromeccanica Adriatica

Elettromeccanica Adriatica S.p.A. was founded in 1962. Continuing technological development of its products and acknowledged reliability have made the company a national leader in electricity production and distribution systems.

The company is particularly active in the design, realisation, installation and commissioning of hydroelectric power stations, in electrical and hydraulic automation, in renovation, renewal and automation of existing power stations, in maintenance programmes and plant management possibilities, and in feasibility studies.

Elettromeccanica Adriatica S.p.A. has offices in Ascoli Piceno and Civitella del Tronto (Teramo). Info: <http://www.adriaticaspa.it>

Skylogic

Skylogic is wholly owned by Eutelsat, one of the world’s leading satellite operators. Based in Turin, the company provides a complete range of broadband services, including content distribution, IP videostreaming and added value video services, as well as marine applications, videoconferencing and e-learning, plus remote control of installations, telemedicine applications and VoIP. Skylogic’s SkyPark teleport uses the satellite capacity of Eutelsat’s fleet to reach users in Europe, Asia, the Americas and Africa. Users include small and medium-sized enterprises, large-scale industries and public administration.

Info: www.skylogic.it

Press Office : Pentastudio, tel +39 0444 54 31 33

IcarusNet

IcarusNet was founded in 1999 by a group of partners with advanced professional qualifications in the telecommunications sector. Right from its beginnings the company has been highly appreciated for its development of integrated terrestrial and satellite projects. The ongoing partnership with Skylogic, signed in May 2003, has brought important added value to products and services created by our designers and technicians who have advanced skills in a whole range of networking services and technologies. IcarusNet is based in Ascoli Piceno. Info: www.icarusnet.it