S a t S e r v i c e

Gesellschaft für Kommunikationssysteme mbH

News Release

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sat-nms ACU-ODM Step Track Upgrade
introduced by
SatService Gesellschaft für Kommunikationssysteme mbH

Steißlingen, Germany, – August 30, 2005 –

SatService Gesellschaft für Kommunikationssysteme is pleased to announce the upgrade of its ACU-ODM antenna control module with **Step Tracking** capability. This has the key advantage that the customer can get a fully integrated antenna step tracking solution working in the outdoor cabinet directly at the antenna to be monitored and controlled via one Ethernet Web Browser interface.

The ***sat-nms*** Antenna Control System, manufactured by SatService GmbH, is used in Satellite Ground Stations to position and track the parabolic antenna in azimuth, elevation and polarization reliable to the satellite. The ***sat-nms*** ACU product family can cover all antenna control applications which reach from positioner only applications up to a full featured adaptive step-track system.

The ***sat-nms*** ACU-ODM (Outdoor Module) is a three axis antenna positioner and step track system which provides all interfaces to three motor drivers for a wide range of applications from DC servos to frequency inverters which are commonly used in larger antennas. It is a small DIN rail module which easily fits together with the motor drivers in a cabinet integrated directly at the antenna. It provides three interfaces to position indicators: analog resolvers (covering all popular antennas from major Satcom antenna manufacturers), Digital angle detectors with SSI interface and potentiometers.

The key features of this module are that it includes a web, telnet and ftp server, provides a TCP/IP interface **and now optionally can be upgraded with a step track software enhancement**. Not only pure step track but an “adaptive tracking” algorithm is implemented which stores satellite positions over time, allows 48 hours of back-up operation without a beacon signal and “calculates” satellite position in advance. Also a time scheduled program tracking mode is included in the software capabilities. As a conclusion the small ACU-ODM module delivers all features of a “big” ACU indoor unit from other vendors for a cost efficient price and in a small form factor.

The ***sat-nms*** ACU-ODM module will also operate together with the DIN rail mounted ***sat-nms*** LBRX beacon receiver from SatService, so that the customer can get a fully integrated solution working in the outdoor cabinet directly at the antenna.

SatService Gesellschaft für Kommunikationssysteme mbH is a Company under German law operational since 1996 in Steisslingen, South Germany at the Lake of Konstanz directly at the border to Switzerland. The Company provides a broad range of services and products to their customers in Europe in the field of Satellite Ground Stations, Satellite News Gathering Systems, In-Orbit-Test, Monitoring & Control and Network Management Systems and VSAT networks, the services include: consulting, system concepts and design, system integration, acceptance tests, repair and service center for Satellite Communications related products.

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