



Handläggare *Handled by*

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Saab Ericsson Space delivers high-precision sensor system

Saab Ericsson Space has delivered a "Radio Frequency Sensing" system for use on the satellite ASTRA 1 K.

The system comprises a small, 400 mm diameter, stable reflector antenna and a receiver. It is used to measure the electrical pointing of the satellite with reference to the ground control station with a resolution of 1/1000 degree and accuracy, after 13 years in orbit, within 1/100 degree.

The information is used to adjust the satellite pointing in particular in order to guarantee isolation between coverage areas where frequency reuse is applied.

The development and verification has taken three years and the design includes several innovative solutions. The first follow on-order is for delivery in the summer 2001.

ASTRA 1 K is owned and operated by Société Européenne des Satellites of Luxembourg. It will be launched later this year and is the largest commercial communications satellite ever built. Main contractor is Alcatel Space Industries, France.

Saab Ericsson Space is an international supplier of space equipment. The company develops and manufactures onboard computers, antennas, microwave electronics, guidance and separation systems for launch vehicles and satellites.

The company has its headquarters in Göteborg, Sweden, a division at Saab in Linköping, Sweden, and subsidiaries in Austria and the USA. The number of employees is 660.

The company is jointly owned by Saab and Ericsson.

Saab is one of the world's leading high-technology companies, with its main operations focusing on defence, aviation and space. The group covers a broad spectrum of competence and capability in systems integration.

Ericsson is the world's leading supplier in telecommunications with the largest customer base, including the world's top 10 operators. Ericsson provides total solutions covering everything from systems and applications to mobile phones and other communications tools.

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