

## Endesa signs an agreement for standardizing communications of their future smart metering system

### Making available the most robust and reliable communications for the systems being developed by our Company

Endesa Distribución Eléctrica has signed an agreement with the companies Yitran and Renesas guaranteeing the features, reliability, and standardisation of communications to be used by new smart metering capable meters installed in the future. José Luis Marín, the chief executive of Endesa Red, signed the agreement on behalf of Endesa. He pointed out its importance for meeting the new challenges of metering electricity.

As per this agreement, Renesas will implement the specifications that Endesa Distribución Eléctrica defined for their smart metering project begun in 2005, and for which the first pilot installation of 10,000 meters with bidirectional communication capabilities is hoped to be made in the middle of 2007.

The agreement signed with Renesas (a Japanese company formed from the merger of the Hitachi and Mitsubishi microcontroller divisions) and Yitran (Israeli supplier of highly robust, low cost narrow band PLC technology) makes available an open specification that meter suppliers can incorporate into their development for Endesa. It will also facilitate the availability of electronic components for those suppliers that would like to use Yitran and Renesas devices in their equipment.



José Luis Marín, Chief Executive of Endesa Red, in the center next to Mr. Matthew Throwbridge (Chairman and CEO of RENESAS Technology Europe) on the left of the picture and Mr. Avner Matmor (Chairman and CEO of Yitran Communications)

## The Endesa Smart Metering Project

Endesa Distribución Eléctrica is specifying a smart metering system that will enable remote access for meter reading and execution of operations that will improve the service provided the customer by the company. The physical communications infrastructure will be the actual electrical grid.

The size of the Company inventory is nearly 11 million meters in Spain alone. In order to guarantee that the quality of customer service is either maintained or improved, new meters must be implemented in a reliable and continuous way. These efficiency and quality requirements must be established under a standard system that permits the participation of various suppliers with interchangeable equipment.

Endesa assumed this new challenge after analysing existing solutions found in the market. By signing the agreement with Yitran and Renesas, it opted for the most appropriate system for meeting its customers' needs with the most advanced technology. The technology provided by these two companies, once adapted to Endesa's requirements, will be a true innovation in the field of metering using narrow band PLC technology.