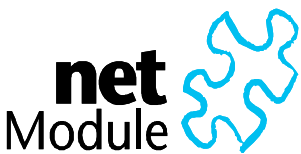


Wireless Device Router Application – Linux OS Netmodule

AREA OF COMPETENCES: Embedded Systems and Microelectronics

INDUSTRY: Wireless

CHALLENGE



This initiative is a result of a close collaboration with Netmodule that designed a new M2M (Wireless Router) device family based on Windows CE which they wanted to offer together with Linux OS. They approached us in order to port the entire functionality to Linux and in a subsequent project to add a very large diversity of new features on the Linux product.

SOLUTION

We provided Netmodule with a software engineering team which delivered until now a number of 3 projects for this customer. Their responsibilities ranged from the review and validation of the requirement and proposing technical solutions and design, to testing of the final releases and writing documentation. The customer was responsible for generating requirements, validating various software product specification and, of course, release acceptance.



The device software architecture contains:

- * Linux Kernel;
- * Webserver including SSL and PHP support;
- * Configuration web pages collection;
- * SMS/Ethernet/E-mail command support;
- * SMS/Ethernet/E-mail event notifications;
- * Dialup profile management;
- * Dial-in support;
- * NAT, firewall, static routes management;
- * User management;
- * DHCP server;

Customer has benefited from a reduction in development risks and costs, being fast to the market and having complete and competitive products.

ABOUT OUR CLIENT

NetModule is a technology company applying communication & Internet technologies to Embedded System solutions for the segments Automation, Tele/Datacom and Life Science. The offering comprises hardware & software products as well as extensive professional engineering services and consulting. Headquartered in Berne (Niederwangen) NetModule has offices in Zurich (Winterthur) and Basel and it has a subsidiary in Munich-Germany. Founded in 1998, it is a Swiss based, privately held company. Enabling customers to integrate and use state-of-the-art communication & Internet technologies in their Embedded Systems with the help of NetModule's field proven solutions and profound expertise.