



28 Universitetsky pr., St. Petersburg,  
Peterhof, 198504, Russia  
phone: +7 812 4284194  
fax: +7 812 4287409  
contact@at-software.com  
www.at-software.com

## **Project Title:**

IMS network support

## **Client's Name (Country):**

NDA (Sweden)

## **The Challenge:**

The customer is developing a set of embedded products, including IP Residential gateways with Ethernet/ADSL/Fiber wideband access support, built-in Ethernet switch, WLAN, NAT-functions, VoIP-FXS, FXO functions, ISDN-ports, SIP protocols support, H.323, T.38, built-in voice mail server. The customer's software was developed years ago and was not maintainable. Our purpose is to re-design it and to port it to multiple customer's platforms and product. Also we have a task to enhance the functionality of software and add support for IMS networks.

## **The Solution:**

We have re-designed and re-factored existing software for SIP protocol support, as well as related functionality. We have also enhanced the functionality of the existing application, as well as took part in creating a set of functionality demos for customer. The system description and realized features and other details are under NDA.

We took part in architecture development of the system, creation of the documents, SW-development and writing of automatic tests.

During this project we used standards of such organizations as IETF, HGI, DLNA, TISPAN.

## **Tools and Technologies:**

- Embedded Linux (TI platforms);
- VoIP (SIP), IMS;
- C/C++, Perl, Tcl/Tk;
- Automated testing system;
- Host simulator environment.

## **Dates**

From January 2004 and ongoing

## **Agent I Danmark:**

### **ASTENIT**

Civilingeniør Sten Falling

[mail@astenit.dk](mailto:mail@astenit.dk)

Tel. 2184 7606

[www.astenit.dk](http://www.astenit.dk)