



## Case: Wide-screen multimedia device - Application and engine development

The customer, an internationally operating smartphone manufacturer, was developing a brand new Symbian OS based multimedia device with a wide-screen high resolution display and advanced telephony, multimedia and productivity functionalities. The product was developed together with an ecosystem of several suppliers in which Ixonos' contribution was over 40 man-years.

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## Background

Taking on the task of developing a completely new device concept, the customer wanted to focus their own effort in management of high-level requirements and the total functionality set of the device. In terms of risk management,

the customer wanted to find reliable suppliers who would be capable of taking on complete responsibilities of several terminal software development areas.

## The Solution

Ixonos took on all the development responsibilities on the concept concerning mobile terminal software for several functionalities including telephony, multimedia applications and user input technology. The development work was executed in close co-operation with the customer R&D organization as the developed software integrated deep into the software stack of the customer product.

The solution included:

- Complete terminal software definition and architecture design for the associated functionalities
- Software development
- Integration of Ixonos-developed components as well as components from other suppliers for the product, producing the complete firmware for the device

- Different phases of testing (unit, module, functional, integration and system testing)
- Maintenance of in-production software releases
- Project management of all the associated entities

In technological terms, majority of the project work concentrated in design and implementation activities related to Symbian OS terminal software in user interface, engine and platform levels. The application UIs consisted of complex user interactions and multimedia components that were made possible by the widescreen display of the device. The user interfaces were implemented on both native and custom UI controls. As the product reached maturity, Ixonos took complete maintenance responsibility of the terminal software.

## Benefits

Ixonos is capable of producing large scale software deliveries for its customers, covering all the software development phases from the beginning steps of concepting and requirement analysis to the final phases of testing, deployment and in-production maintenance.

With these services, the customer is able to better manage risks related to software development and to produce new appealing features for their products rapidly and cost effectively.

## Ixonos – Services covering the entire software life cycle

- Technology consulting
- User interface and user experience design
- Project management
- Project deliveries
- Testing and quality assurance
- Maintenance

Ixonos operates in the information and communication technology service markets producing customer specific technology consulting, project management and software production services for advancing competitiveness and risk management. Our services cover the entire software life cycle. Ixonos's clientele comprises leading mobile and smartphone manufacturers, mobile network suppliers and telecom operators operating on the global markets as well as Finnish finance, industrial and service companies and public administration organizations. Ixonos has ca. 900 employees in Finland, Estonia and Slovakia. Ixonos Plc is listed on OMX Nordic Exchange in Helsinki.

We are recognized for our customer orientation and responsible attitude.