



Elite Software R&D Services  
Since 1990

## Auriga—Projects Portfolio Overview

**H**AVING THE DISTINCTION of being the oldest company that offers the service of outsourcing software development tasks to Russia, Auriga focuses on delivering robust business and technology solutions to high-tech companies, independent software vendors, and equipment manufacturers worldwide. Auriga has built up significant strengths in a range of knowledge areas outlined below, effectively combining high expertise in business process oriented enterprise applications and sophisticated solutions for embedded and real-time systems.

### System-Level Software, Embedded and Real-Time Systems

Since its inception in 1990, Auriga has been one of the world leaders in embedded systems development. With its key technology focus on embedded and system-level solutions, Auriga brings professional quality and reliability to software development delivered to its customers. Major multinationals, including IBM, Dräger Medical, LynuxWorks,

and many others, choose Auriga as their trusted solutions provider. The projects performed in this area include:

- Development, porting, maintenance, and support of LynuxWorks' LynxOS real-time operating system;
- A complete embedded Linux distribution—LynuxWorks' BlueCat Linux—with a comprehensive cross development toolset; custom embedded Linux development;
- A highly portable (in terms of OS and hardware) high-speed data exchange solution for industrial buses built into OS network stack;
- Industrial shelf management solution running on the embedded platform;
- High availability support for industrial systems, Hot Swap drivers for industrial boards;
- All kinds of device drivers: BSPs, network drivers and miniports, bus drivers, etc.

### Distributed Enterprise Applications and Information Systems

Distributed enterprise applications are Auriga's second major area of ex-

pertise. Within its 16+ years of software development history, Auriga has delivered an array of projects for different companies working on enterprise-level and distributed applications such as BroadVision, a global provider of personalized self-service web-applications, and the Undisclosed client, a developer of the highly adaptable, easily integrated Customer Care solution. Some examples of the performed projects include:

- Design, development and implementation of a 3-tier architecture information system aimed at coordinating recruiting, human resources processes, CRM, purchasing process, invoices management, IT orders management, etc;
- Design, development and deployment of a powerful 3-tier web-enabled national high school graduation exam information system;
- Certification for various platforms of a powerful, highly adaptable, scalable enterprise incentive management platform.

Additional examples of development projects for CRM and document management knowledge areas are provided separately below.

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## Software Testing and Verification

Auriga's hands-on experience with European and U.S.-based companies provides customers with the unique opportunity to perform comprehensive software testing, verification and validation tasks with high quality at low costs. The effectiveness of the testing services offered by Auriga has been proven in an array of projects involving large OEMs, such as Dräger Medical. The following sample projects represent the company's software testing expertise:

- Software testing and verification for several healthcare products, including both standalone product components such as services, networking subsystems, reusable software platforms and complete patient monitoring solutions with complex user interfaces, including definition of test specifications, design and implementation of complex automated testing frameworks, manual and automated testing;
- System-level software testing for LynuxWorks products, including system and tools testing, performance testing, real-time and POSIX testing, etc;
- Development of automated test-

ing framework and automated test suites for telecom system;

- Verification of Microsoft Hot Fixes (QFEs) for medical environment.

## Vertical Domains Knowledge

Auriga's engineers have gained invaluable experience in several vertical knowledge domains, best represented by the sample projects listed below.

### CRM

*Main customer: Undisclosed client*

- Development, implementation, maintenance, and support of a 3-tier web-based J2EE CRM application;
- Certification and porting of a web-enabled CRM application to various operating systems, application servers, and database management systems.

### Document, Knowledge, and Content Management

*Main customer: BroadVision*

- Re-engineering, implementation, support and maintenance of an authoring and publishing application that includes a complete XML authoring environment and automates publishing of personalized content;
- Development, re-engineering, implementation and maintenance of an open, scalable, integrated doc-

ument management system based on the client-server technology;

- Development, re-engineering and maintenance of a powerful enterprise content management end-to-end solution with a scalable e-Business platform.

### Telecom Industry Solutions

*Main customer: NMS Communications*

- Development of Natural Access, a modular runtime and development environment including core development, high availability support, and voice processing services;
- Development of high availability open signaling architecture.

### Healthcare and Medical Devices

*Main customer: Dräger Medical*

- Development of a new version of a critical care workstation;
- Development of a remote view subsystem for patient monitors;
- Porting of Central Patient Data Monitor for a large hospital-scale medical network to the new hardware platform and underlying OS.