

New Version for Critical Care Workstation in Hospital-Scale Network

Client

Dräger Medical, A Dräger and Siemens Company, is one of the world's leading providers of innovative high-tech medical equipment offering the complete solutions for the point of care throughout the whole patient care process—from emergency care and anesthesia to critical care and perinatal care. Headquartered in Lübeck (Germany), Dräger Medical is represented in over 190 countries around the world with subsidiaries in 40 countries. Dräger Medical Systems, Inc, a division of Dräger Medical, is located in Danvers (USA).

Project Scope

Participation in the full life cycle software development of a new version for one of leading products from Dräger Medical's product line critical care workstation that displays clinical information from a variety of sources at the bedside.

Solution

The product (critical care workstation) was designed by Dräger Medical to display clinical information from monitors, ventilators, medical imaging archives and hospital information systems at the bedside, and to organize it right at the point of care. The workstation allows examining flow loops, waveforms and long-term trends, including patient's past responses to therapy, and reviewing medication records and potential drug interactions—all without leaving patient's side.

Auriga participated in all stages of the full life cycle software development (product requirements elaboration, design, prototyping, coding, testing, bug-fixing, optimization) of this product's new version. Auriga integrated a full set of 3rd party applications into the product and took part in the formal verification processes, used for the whole product line.

Tools and Technologies

- C/C++, XML
- Visual Studio
- Windows 2000/XP/XP Embedded

Customer's Quote

"The big positive is that the competence level of the engineers is very high and it has increased since the initial relationships. We have started out with competent people that did really understand what Dräger was doing. Now we have competent people that understand Dräger, so we've been able to maintain those people. What we do see—the performance of Auriga is constantly improving."

Sam Cavallaro
Dräger Medical