

ARTES Project 0005-23
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Letter of support

Datex-Ohmeda develops complex computer based medical equipment such as ventilators and anaesthesia machines. In these applications we handle a large amount of data. While a major part of the data is for monitoring purposes, a significant part is needed for controlling the ventilator, a highly safety critical task. Dangerous conditions are expressed as illegal combinations of data. The actual representation and methods of the data takes a central role in the development/design of our applications. The development process would benefit, could we use better and more systematic way of expressing relations between different data items and mechanisms for storing and retrieving the data in an efficient and uniform way. Consequently, the goal of the project Databases for Embedded Real-Time Systems is of great interest for us.

We have known the research group at Mälardalen university for many years. Previous projects and interactions make us confident about positive results of this project as well.

 **Datex-Ohmeda**



Joakim Fröberg