Objectivity

Dräger Medical: Data Analytics for Medical Decision Support

The Challenge:

Process optimization, cost-cutting, and system limitations happen everywhere, but when it happens in an operating room, the stakes include human life as well as bottom line efficiency.

Dräger required a technology that could handle precision and real-time performance for storing and analyzing information from a variety of sensors, and monitoring for patterns in the information, as well as document management.

Dräger's Solution with Objectivity:

In its quest to improve operating room processes and equipment while enhancing patient wellness outcomes, Dräger Medical developed Zeus, a system that integrates all acute forms of anesthesia applications, patient monitoring, and documentation. In addition to the manual control of fresh gas dosages, Zeus allows for automatic control of oxygen, carrier gas, and volatile anesthetics.

Embedding Objectivity's technology into Zeus allowed Dräger to enhance reliability and performance. Objectivity's technology enables real-time monitoring and analysis within Zeus in order to make split-second changes to improve patient care in the operating room. Zeus exemplifies how Objectivity's technology delivers unparalleled performance for real-time mission-critical applications

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"We chose Objectivity's technology because of its high performance, reliability and ability to handle a large flow of complex information from all our many sensor and actuator sources," according to Christoph Landowski, Platform Integration Manager for Dräger Medical.

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Dräger

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Objectivity, Inc. delivers massively scalable and highly performant graph analytics platforms that are proven to power mission-critical applications for the most demanding and complex datasets. With a rich history of serving Global 1000 customers and partners, Objectivity holds deep domain expertise in fusing vital information from massive volumes of data and sources to discover unknown connections at speed and scale. Objectivity's technology enables enterprises to make better decisions with precision, scale and efficiency. Objectivity is privately held with headquarters in San Jose, California. Please visit http://www.objectivity.com to learn more.