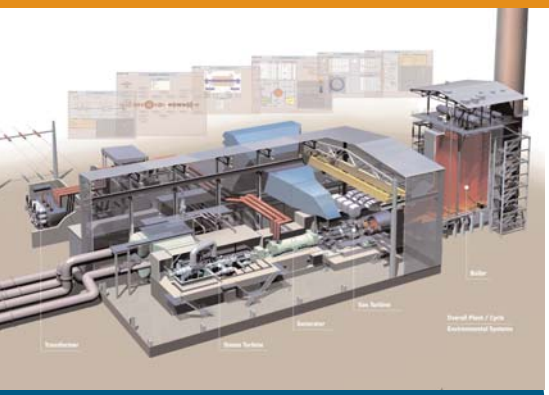
Alstom Selects MySQL as a Database Standard for Power Plant Monitoring



Power Plant Monitoring

OS: Windows 2003, XP

Database: MySQL Embedded Server

"In Alstom's use case, the relational database is a key part of the AMODIS® monitoring system and MySQL has proven an ideal choice, which we don't have to worry about."

Mark Donne
AMODIS Chief Engineer
Alstom Power Service

About Alstom

Alstom is a global leader in the world of power generation and rail infrastructure and sets the benchmark for innovative and environmentally friendly technologies. Alstom builds the fastest train and the highest capacity automated metro in the world, and provides turnkey integrated power plant solutions and associated services for a wide variety of energy sources, including hydro, gas and coal. The Group employs 65,000 people in 70 countries, and had orders of EUR 19 billion in 2006/07.

Their business challenge

Monitoring is increasingly important in the power generation industry, both for plant owners themselves and for Original Equipment Manufacturers (OEMs) like Alstom to provide responsive, reliable and innovative solutions to keep power plants competitive throughout their life cycle. As part of Alstom's power plant monitoring product (AMODIS®), a relational database that was low cost and robust was needed. MySQL has proven an ideal choice of product and a good partner to work with.

The MySQL solution

The majority of data recorded by the AMODIS® monitoring system is archived in a real time database. However, a relational database is also a key part of the architecture for storage of a large quantity of configuration data and vitally, non-scalar processed data such as Fast Fourier Transforms and images which are stored as binary larges objects (BLOBs). This non-scalar data is typically produced during times of transient operation and can result in high data volumes and loadings on the relational database. MySQL was chosen as the relational database and is embedded in each AMODIS® system that is deployed in power plants worldwide.

MySQL Embedded Server for OEMs, ISVs, and VARs

MySQL Embedded Server is a full-featured, zero administration database that enables ISVs and OEMs to bring their applications and solutions to market faster. MySQL's small footprint, zero administration and support for 20+ platforms gives ISVs and OEMs ultimate flexibility to ship a highly reliable SQL compliant, transactional database with just about any software application or hardware appliance.

The MySQL Embedded Database enables OEM/ISV/ VARs to:

- Reduce COGS and improve profitability by embedding a cost-effective database without artificial license restrictions on CPU, memory, and servers
- Bring applications to market faster by embedding a proven database rather than building and maintaining a proprietary database in-house
- Deliver a differentiated solution using a SQL compliant, relational database with superior performance and reliability
- Win competitive comparisons using a SQL compliant, relational database with superior performance and reliability
- Deliver a Zero Administration solution so that their customer don't have to hire dedicated DBA resources
- Make reporting and analysis easy using a cost-effective open source reporting solutions like Jasper for MySQL: OEM Edition.

MySQL Embedded Server is Ideally Suited for:

Software

- Network & Performance Management
- Monitoring Systems
- CRM & ERP
- Educational Software
- Email, Anti-spam software
- VoIP & Online Messaging
- Healthcare & Practice Management
- Biotech

Hardware

- Networking Equipment
- Routers & Traffic Controllers
- Security Appliances
- Retail Kiosks
- Point-of-Sale (POS) Systems
- Diagnostic Instruments
- Sensory Devices
- And more...

About MySQL

MySQL AB develops and supports the MySQL database server, the world's most popular open source database. Many of the world's largest and fastest-growing organizations use MySQL to save time and money powering their high-volume Web sites and business-critical systems -- such as Yahoo!, Alcatel-Lucent, Google, Nokia, YouTube and Booking.com. In addition, hundreds of ISVs embed MySQL, including Adobe, Cisco, Motorola, Symantec, Suzuki and Zimbra.

MySQL is an attractive alternative to higher-cost, more complex database technology. Its award-winning speed, scalability and reliability make it the right choice for corporate IT departments, Web developers and packaged software vendors. For more information about MySQL, please go to **www.mysql.com**.

MySQL®

The World's Most Popular Open Source Database

www.mysql.com