



Optimise your business
through Data Analysis
- in the energy sector

How do you transform your sensor data into meaningful business knowledge?



Actua can help you transform your raw data into useful knowledge, sophisticated KPI reports and component state estimation. We extract reliable information out of large amounts of data – using our skills and knowledge within Big Data and the IT/Energy sector.

Today focus is often on Business Intelligence Systems. But to feed your BI-system you need reliable data input.

At Actua we have the competences and the knowledge within the IT/Energy domains to transform raw data into information. Subsequently it is possible to create knowledge from the information in order to form the optimal base for decision making. No standard-system is capable of doing this.



We develop solutions in corporation with our customers in order to ensure that the system is easy to manage afterwards.

www.actua.dk



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How we work:

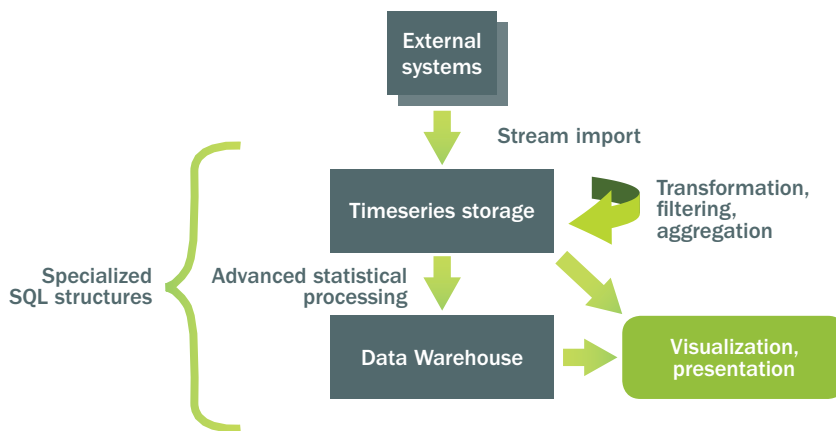
At Actua our work processes are based on the agile software development methodologies (e.g. Scrum). We split up the development process into smaller parts. So we produce working programs and several completed results along the way.

As a partner with Actua you will find yourself constantly moving forward and implementing new solutions with the goal of gaining a competitive business advantage.

Advantages of Data Analytics:

At Actua we design Analytics systems based on this architecture:

Data architecture for Analytics



Analytics-systems from Actua include amongst others the following features:

- Large data volumes using BLOB (Binary Large Objects)
- Information about data quality and reliability
- Other meta data (attributes of data series)
- Timeseries data (with a configured time resolution).
Min, max, avg, stddev, count and other interval summaries
- Missing/delayed data, error correction, recalculation
- KPI configuration and calculation.

Contact:

Please contact us for more information:

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Reference:

Vattenfall testimony
 – Preventive Maintenance

Actua developed central elements of Vattenfall's Wind Power Data Center System for monitoring, control and data collection for a large and varied wind turbine portfolio: More than 500 turbines distributed across 50 sites. Actua contributed tools that gave us an overview of our heterogeneous data sources and have afforded Vattenfall the opportunity to analyse and automatically process target data. Vattenfall has thus moved from corrective wind turbine maintenance to preventative maintenance. Moreover the system supplies a basis for visual real-time decision-making processes.

*Lars Eeg Højholt
 Technical IT and SCADA-
 applications Lead
 Vattenfall Wind Power*

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