



CUSTOMER CASE STUDY

JSC Bashkir Soda Co. streamlines the production process

One of Russia's largest chemical companies, JSC Bashkir Soda Co. recognized a critical need for a more reliable and efficient data management system. AVEVA's advanced digital solutions empowered JSC Bashkir Soda Co. to automate its data collection, process information in real time, and streamline its production efforts.

JSC Bashkir Soda Co.
Industry - Chemicals

Goals

- Automate data collection at the facility level.
- Process and display information from the metering points in graphical and tabular form in real time.
- Gain control over reliability of the information coming from the sensors and systems.
- Register and store information on controlled parameters.
- Establish alarms for process and system violations.
- Present current information to operational staff and other users in the form of mimic diagrams, operational and accounting documents, schedules, etc.
- Automatically calculate and represent commodity balances (including snapshots) for each redistribution.
- Gain operational control of the production load.

Challenges

- An evaluation of existing accounting methods and technological process quality highlighted the critical need for a new, more efficient and reliable system.
- Measuring accuracy should satisfy all modern commercial requirements, with full automation.

Solution

- AVEVA™ System Platform
- AVEVA™ Historian
- AVEVA™ Historian Client
- AVEVA™ Communication Drivers



Results

- Reduced loss of raw materials.
- Qualitative distribution of finished products by grade type.
- Reduction in the number of emergency stops through MRO equipment forecasting.
- The project results freed up operational and maintenance personnel work hours.
- A single interface for all production stages.
- A concise, comprehensive asset model that details the entire production process.
- Easy integration of pre-existing automated production systems.
- Single multi-user object-oriented development environment, system deployment and maintenance.
- High-performance database captures data in real-time.
- New client-server architecture for the creation of dispatch interfaces.

JSC Bashkir Soda Company makes the choice to automate

STERLITAMAK, Russia – The merger of JSC Soda and JSC Caustic formed JSC Bashkir Soda Company in May of 2013. Today, JSC BSC is one of the largest chemical companies in the country.

The company is Russia's biggest producer of soda ash and sodium bicarbonate and is the country's second biggest PVC producer. It is also one of the leading manufacturers of cable compounds and ranks among the country's top three producers of caustic soda.