

# Integrated calibration solutions improve power plant performance

Beamex hardware, software, capable of seamless communication with maintenance management systems, along with professional services create an automated process for power plants.

**beamex**  
A BETTER WAY TO CALIBRATE

# Learn how to do more with less

## Leading power plants learn how to save time



**Faran Rolingson, Alabama Power**

By removing all the manual steps in the workflow, and eliminating all the paper from the dataflow, the plant has realized a documented time savings from 70%, even up to 75% in some cases, on calibrating pressure transmitters and pressure switches. Time is of the essence during an outage, so this time savings allows technicians to maximize the amount of work accomplished in the shortest amount of time, while effectively performing vital tasks and managing workflows.

Eliminating inefficient calibration work greatly reduces the risk of outage schedule overruns and delays of start-up procedures. For Alabama Power and Southern Company, this means lowering their cost while maximizing revenue generation.



**Jody Damron, SRP**

With this software integration project, we were able to realize a significant return on investment during the first unit overhaul. It's unusual, since ROI on software projects is usually nonexistent at first. The most significant impact overall is that Salt River Project has been able to save about 30 minutes per calibration using an automated approach. This equates to 2300 hours saved since their go-live date.

Calibration tasks that would normally take a month to two months to complete during a unit overhaul, could be performed in a few weeks, and time is money.

## Long term sustainability

As you look to the future and the stability of a long-term, strategic calibration program, there are common concerns, such as:

- aging workforce, and the ability to back fill valuable experience
- compliance & regulatory issues due to poor documentation
- impact of poor calibration processes on operations and safety

For 40 years, Beamex has helped 10,000+ companies improve their process of performing and managing calibrations. The combination of technology and our expertise is what makes Beamex a unique company.

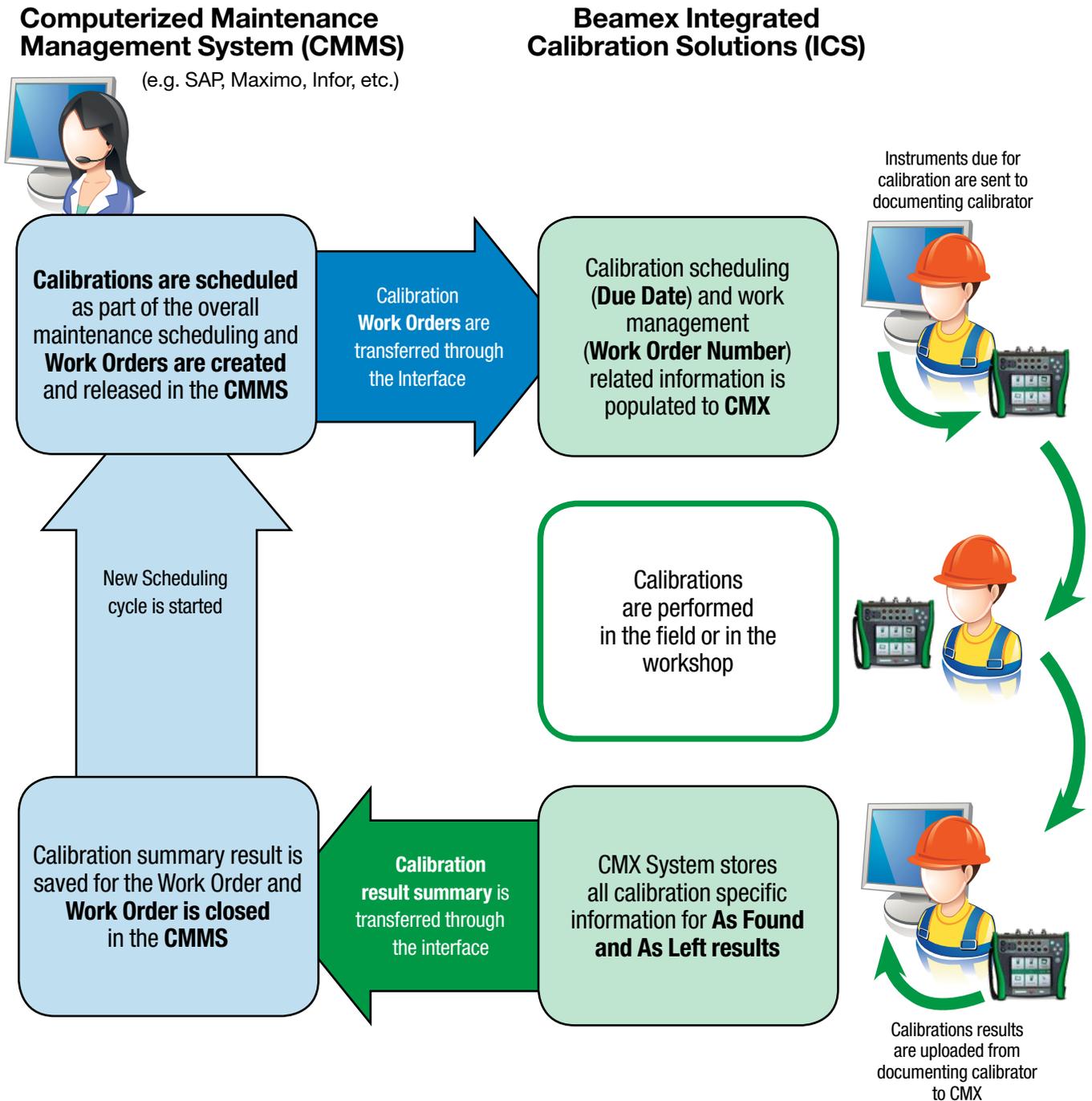
## Rely on Beamex

Today, many power plant professionals are:

- apprehensive about new calibration system implementation
- worried about the costs and time required for calibration
- frustrated with the amount of time spent on administrative tasks
- concerned about human errors when performing calibrations

The average Beamex implementation team member has 10+ years' of experience in system implementation and process change. Our team has a unique combination of calibration process, IT and project management expertise – the critical skills required in any system implementation.

# Calibration workflow – Integrated Systems



## How it works

Beamex's calibration management software, CMX, integrates directly into the computerized maintenance management systems (CMMS), providing an enhanced calibration solution. Detailed calibration data and traceable calibration records are stored in the CMX, while plant hierarchy and instruments are created and maintained in the CMMS. When calibration work has been performed, work order acknowledgements are sent to the CMMS. This standardized, but configurable software

solution keeps the CMMS informed of work completed, while CMX provides a database to store vital instrument information that is necessary to maintain for quality control and audits—thus equipping organizations with the best in class Asset Management and Calibration Management solution. Beamex offers a project approach with professional services for the execution of system integration projects.

# Beamex ICS

## INTEGRATED CALIBRATION SOLUTION

The most integrated, automated calibration system available

Beamex ICS is not just a product or even a set of products and services – it is a process of performing and managing calibrations in a way that provides efficiency and quality improvements as well as cost-savings. The solution includes Beamex's Business Bridge Connector - which provides a communication link between the CMX calibration software and maintenance management systems. Calibration work processes can be streamlined and typically eliminate in the region of 50% of time spent on the end-to-end calibration process.

### ICS benefits

- Delivers highest level of automation leveraging the latest technology
- Best-in-class calibration tools for maintaining modern process instruments
- Efficient, intuitive, software management solution which integrates with asset management tools
- Historical trend analysis, audit trail reports optimizing calibration tasks



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