



CASE STUDY

Bridgestone Wonderware
Archestra Upgrade

BRIDGESTONE



INTRODUCTION

Bridgestone SA is a unit of the world's Number 1 tyre manufacturer. Today, Bridgestone develops, manufactures, and markets tyres for passenger, light truck, truck, bus, earthmoving, agricultural, motorcycle and aircraft applications. Leading the way in this new millennium, Bridgestone develops leading technology to keep the company at the top of the industry, providing customers with innovative and quality products. The company's achievements in motor racing around the world are mirrored in the enhanced performance that can be experienced after fitting a set of Bridgestone tyres.

4Sight OT Automation have built a strong relationship with Bridgestone SA, and have been appointed to complete a number of system integration projects and upgrades. In 2014, 4Sight OT Automation was selected to complete the Bridgestone Wonderware ArchestrA Upgrade, to achieve a more modern, efficient and performance driven control software solution.

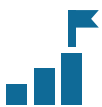


BUSINESS NEEDS & CHALLENGES

The scope of the project entailed an upgrade of an RSView 32 Scada system to a Wonderware ArchestrA System Platform 2014. The purpose of this upgrade was to benefit from the improved scalability and connectivity offered by the ArchestrA System Platform.

Two redundant DA Servers were to be configured, with Tags to be circularly archived on a Historian Server. Plant performance and production data were to be available via Wonderware Information Server.

The main challenge encountered during the upgrade project, was the interfacing of the Wonderware System Platform with Microsoft Access for seamless report creation and pdf format printing, using predefined Forms. This was to be achieved using extensive scripting and the Intouch Bind Lists for Tables referencing. Auto population of a full Historian Client trend control was also scripted, to display page-related contextual trends at the Intouch Clients.



THE 4SIGHT OT AUTOMATION SOLUTION

The Wonderware ArchestrA is a plant automation software platform for managing and controlling the plant and processes. The upgrade to the Wonderware ArchestrA system by 4Sight OT Automation covered the following components and aspects:

- System Platform
- Intouch
- Historian
- Wonderware Information Server
- MS Access





GOAL OF THE PROJECT

The main goal of the upgrade was to achieve improved Mixers KPIs monitoring, combined with efficient data historical recording, representation and automated reporting features.

PROJECT TIMEFRAME

The project commenced in December 2014 and was successfully completed in February 2015.



ADVANTAGES OF THE BRIDGESTONE WONDERWARE ARCHESTRA UPGRADE

The Wonderware ArchestrA upgrade project provided a number of advantages for Bridgestone SA:

- The generated reports allowed for improved Mixing Batches KPIs monitoring, ensuring improved process efficiency and increased performance.
- Historical and Real Time Tag monitoring allows them to configure which tags to display from a historical trend.
- A single web solution for aggregating and presenting plant production and performance management information over the web or company intranet is provided through the Wonderware Information Server.



4SIGHT OT AUTOMATION - YOUR PARTNER IN CONTROL SYSTEM SOLUTIONS

4Sight OT Automation is a leading service provider in the field of electrical engineering, providing customised and performance driven hardware and software systems for our customers in various industries.

TRUST 4SIGHT OT AUTOMATION FOR A CUSTOM SOLUTION FOR YOUR COMPANY'S AUTOMATION AND CONTROL SYSTEM NEEDS. CONTACT US TODAY.



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