

# Wonderware Supports Information Flow in Spring Cores Production software

by **ASTOR Sp. z o.o.**

*“Implementation of the MES system based on Wonderware software was the great step in work procedures standardization process. It saved our supervisory activities time and eliminated onerous paper work. Logistic department is staying in line with work orders completion and estimate production performance, what enables us to build closer relations with customers”.*

Piotr Bistron,  
Owner, ABIS s.c.



## VALUE DRIVERS

### Goals

- Improve information flow between Sales and Production Department;
- Provide Maintenance Engineers with faults detection capabilities;
- Automate document management;
- Distribute productivity reports to Management Staff.

### Challenges

- Huge information gap between Sales, HR and Production Department;
- Ineffective reporting system;
- Lack of faults detection system and faults statistic reporting.

## KEY METRICS

### Wonderware Solutions

- InTouch HMI;
- Wonderware System Platform.

### Results

- Wonderware System helped to organize work procedures by giving real-time access to supervisory data;
- Logistics department is constantly reported with completion of production work orders;
- Production capability is predictable and plays the great factor in improving relationship with customers;
- Development activities are optimized by remote access to ArchestrA IDE.

## Company Overview

Herkules Sp. z o.o. – Jastrow, Poland  
 Herkules Sp. z o.o. is considered as the most efficient manufacturer of “The Bonnell” spring cores in Europe. The leading statement of the company sounds - “Your flexible friend” and symbolizes their proficiency at supplying Polish and Eastern Europe furniture industry. The main product line encompasses wide range of “The Bonnell” spring cores and zig zag springs which are finally stored and managed in modern warehouses to cope with fluctuations in demand. The Wonderware MES solution based on Wonderware System Platform is the big step to settle down on the position of the main player in the region and beat the strong competition. Wonderware software helps to increase production capabilities by improving internal information flow and monitoring the utilization of the machine park.

## Operating the Herkules Sp. z o.o.

In the year 2005 board of directors in Herkules Sp. z o.o. realized that most of facility employees have limited access to adequate information. Sales department were expecting data about orders completion, Production Manager suffered from a “gap” in production performance reporting and Maintenance Department was unable to work effectively without failures detection system.

During modernization and development of Machine Park, Herkules Sp. z o.o. company decided to make investment into best-in-class Wonderware’s software solution. Core of the MES system was based on Wonderware System Platform which cooperates with InTouch visualization clients and communicate with Horner integrated operator panels.

Now each operator is allowed to pick the production order from the list, insert the information about the downtime reasons and machine failures and finally give the feedback about order completion.

Wonderware System Platform transfers this data along the company to provide it the right person in the right time.

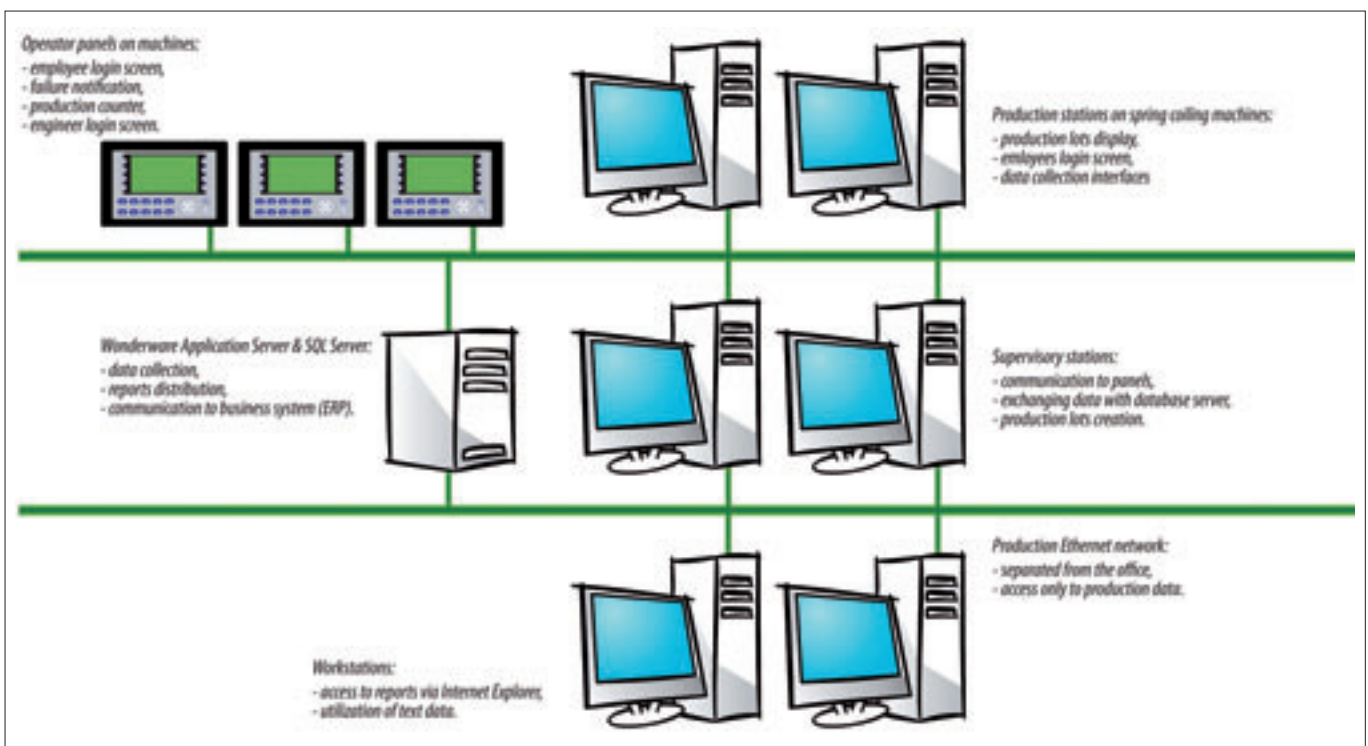
## Key Metrics

MES (Manufacturing Execution System) based on Wonderware System Platform was implemented in 3 months. Fully-flexible ArchestrA architecture enabled System Integrator to easily extend functionality by projecting additional data exchange with external IT systems.

Wonderware System Platform takes responsibility for hosting business logic, communication to operators HMI panels, staying in line with ERP system data and publishing reports to the management staff.

System implementation strategy based on ArchestrA technology met with practical expectations both of Herkules employees and engineers, who are able to remotely maintain and develop system functionality. Herkules Sp. z o.o. is constantly improving production effectiveness and achieving operational goals by using Wonderware solutions. Company is on the best way to come into adjacent business opportunities in the future.

*This document was realized thanks to the support of:  
ABIS s.c., ArchestrA-certified system integrator.*



Hercules' architecture