

IRIS Tyres - Implementation of Opcenter and automation systems

Smart tire plant with SMART Controls and Black Donuts

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Thanks to end-to-end traceability and tires' history records, we are now able to demonstrate to our key customers our ability to realize very high quality products and increase their level of trust and loyalty

Salah Eddine Khouatra CTO – Chief Technology Officer IRIS Tyres

Customer profile

IRIS TYRES (Eurl Saterex) is the leading tire manufacturer in Algeria and the 3rd in Africa. The core business is: 12+ tire types for Passenger Car Radial (PCR) and light trucks. The PCR tire plant in Sétif has a production capacity of 2 million tires a year. www.iris-tyres.com


Project information

Smart Controls (system integrator providing solutions for process automation and IT integration) was commissioned to set up the plant's MOM system at IRIS Tyres. www.smartcontrols.in
Black Donuts (innovative and independent partner for tire manufacturers worldwide) set up the tire plant technology at IRIS Tyres. www.blackdonuts.com

Customer objectives

Increase manufacturing transparency with ERP-MES integration and e2e traceability. Integrate recipe management into an e2e process from Formulated Product Design to MES. Ensure full capacity utilization and optimize logistics integration with production. Implement a fully automated tire production factory that would help optimize equipment utilization and ensure data transparency

Siemens' solution

IRIS Tyres took advantage of the industry expertise of Black Donuts and SMART Controls and used a variety of Opcenter functionalities to provide an intelligent MOM solution. Based on great relationship between machine suppliers and Siemens, our products for automation are an important component of the smart factory. 

Customer value

- Increase of overall equipment efficiency and automation
- Better maintenance and quality management
- Improved logistics, scheduling and information gathering
- Automatic synchronization of MES and ERP
- Line Integration and compatibility between different OEM systems



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Project informationen

Implementation of Manufacturing Operations Management and automation systems in a greenfield smart tire plant



end customer

Sétif - Algeria

Products used

Previous systems

Now

Opcenter

Line Monitoring System

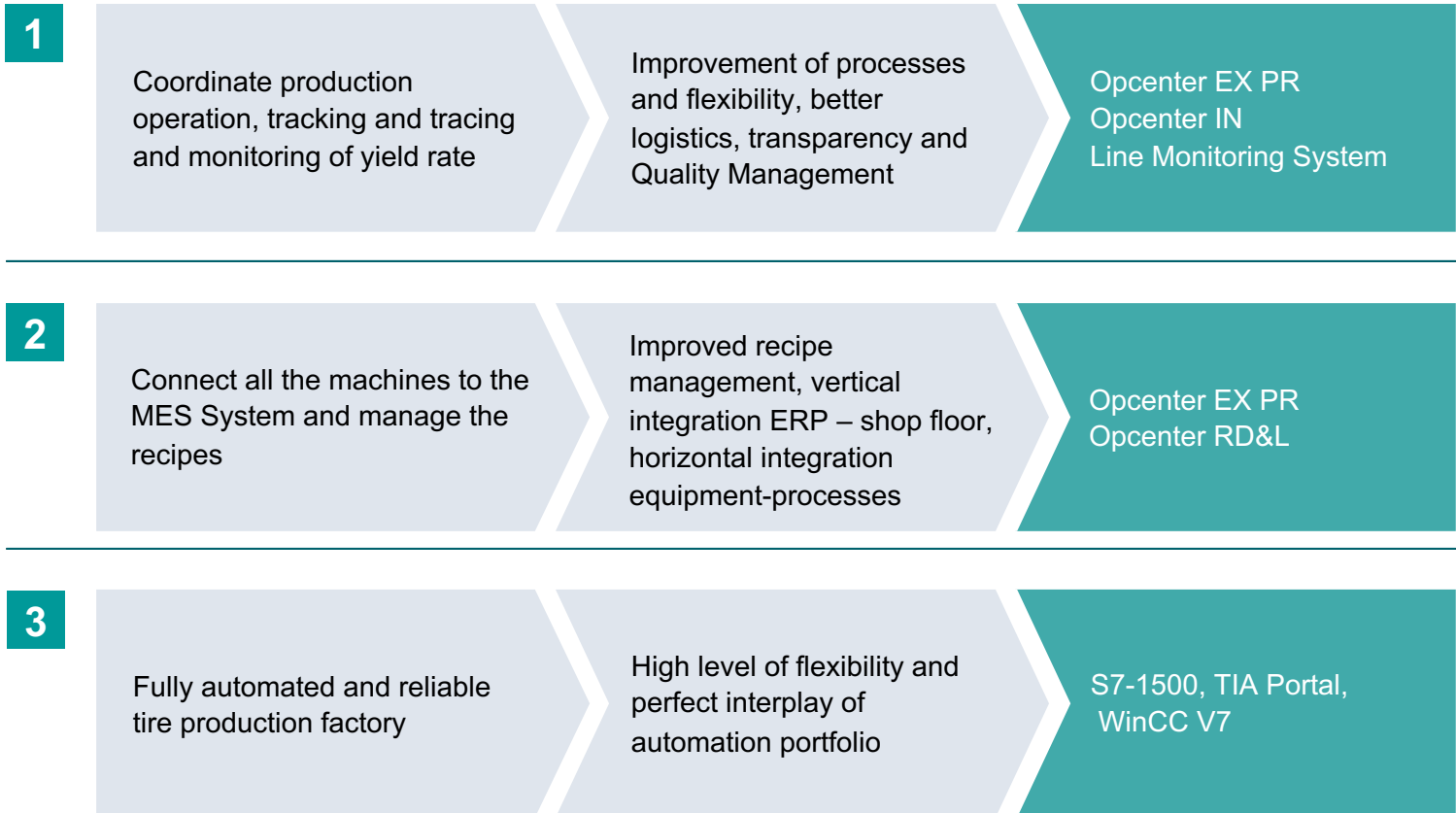
SIMATIC Controller

SIMATIC Software

Customer challenges

Customer benefits

Products/ solutions



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