

## A320 Family - Equipment Pulse Line



### **Pulse Line for Airbus Single Aisle Family in Saint-Nazaire**

Saint-Nazaire, France - At the end of 2011, MCE was commissioned to build a new equipment line for the A320 family (A318-A321). With its opening in January 2013, aircraft are for the first time being fitted with technical interior equipment using the flow principle at Airbus France. This means, for the client, a significant competitive advantage and optimized utilization of their existing production hall capacities.



As a result of installing the MCE Pulse Line, 14 workstations are now available instead of the original 10 stations. The cycle jigs – an essential component of the system – are designed so that all work on the airplanes' interior can be carried out in line with the latest ergonomic and safety-related requirements.

The main emphasis of planning was developing a cycle jig that can accommodate the range of the A320 family (A318-A321) and ensure an optimized material flow.

The scope of services rendered by MCE consisted of the planning, manufacturing, setting up, and putting into service the entire system, including the electrical, mechanical, and pneumatic components.

This project's biggest challenge was replacing the current production line with a pulse line without disrupting ongoing operations. It is done by detailed planning and close cooperation with the client's production team. In this way, a smooth transition from conventional production to an optimized flow line was ensured.

The commencement of production on 2nd January 2013 marked the successful completion of a – in every respect – challenging project.

With this project, MCE installed its third flow line unit for Airbus.

#### ***Facts & Figures:***

<b>Total weight:</b>	550 t
<b>Customer:</b>	Airbus operations SAS
<b>Weight of cycle jig:</b>	25 t
<b>Project period:</b>	2011 - 2013
<b>Length of Pulse Line:</b>	110 m