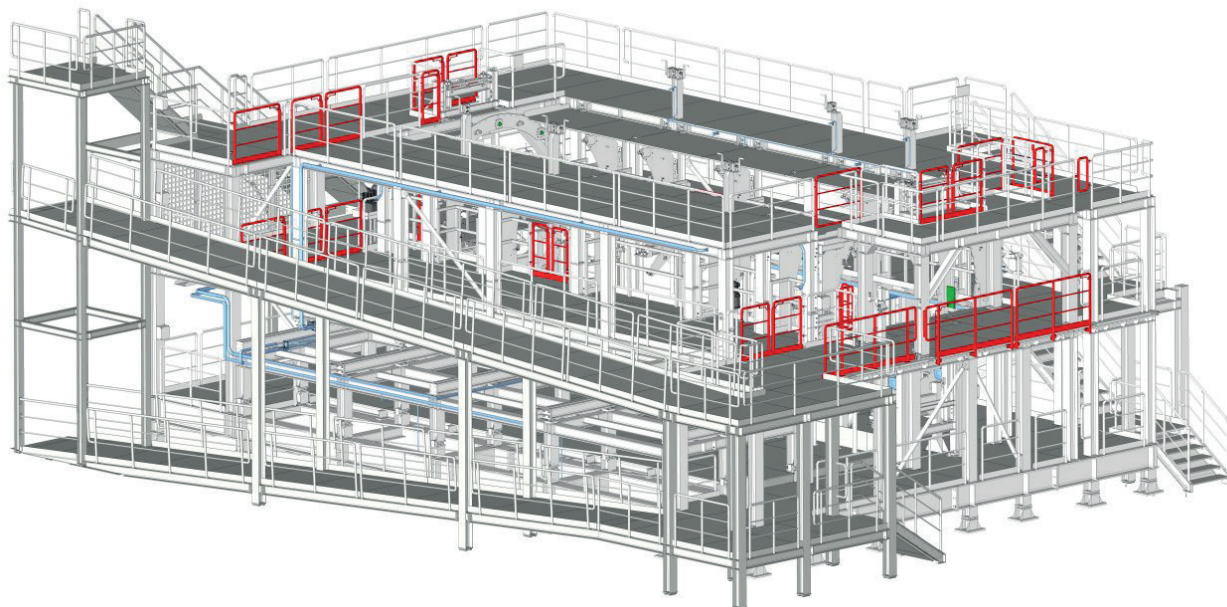


A321neo - ACF Station



Hamburg, Germany - 2016 Airbus commissioned MCE GmbH to install a station where Section 17 of the A321neo Cabin Flex is assembled.

A turnkey structural station, including concepts, engineering, manufacturing, set up, and commissioning, was delivered by MCE GmbH to the complete contentment of our customer Airbus.



Due to the fast realization and the excellent result, four stations have been built until now. Besides the main jig, for the structural assembly of the shells, we also delivered the needed transportation racks, presentation frames, and a station for building the floor grid.

In the three-floored station, side shells, floor grid, and the upper shell are assembled to Section 17. Side shells and upper shells are moved to the station via two transportation racks. Due to the movable side stage and the detachable rear platform, the components can be placed in the station. The floor grid and upper shell are fixed to presentation frames and moved to the requested positions via crane. To guarantee the perfect shape of the whole section, contour templates with an accuracy of ± 0.3 mm are installed. On the station's three floors, ergonomic access is provided to all working positions while guaranteeing complete work safety. The fully merged section of the aircraft is lifted onto the transportation rack for further manufacture.

MCE GmbH delivered all jigs to the complete satisfaction of our customer Airbus and met all demands in the tight schedule. The average lead time from the Kick-Off Meeting to the start of production is 6 months. Each station complies with accuracy, quality, ergonomics, work safety, and accessibility requirements.

Facts & Figures:

Customer: Airbus Operation GmbH

Project Period: end 2016 - beginning 2020
Stations 1-4:

Project Period per station: 6 months