



ASSEMBLY LINE WIDE BODY-LONG RANGE



ASSEMBLY LINE FOR AIRBUS LONG RANGE AIRCRAFT HAMBURG-FINKENWERDER

At the beginning of March 2005 Airbus awarded MCE the contract to construct an assembly line for Airbus wide-body aircraft at the Hamburg- Finkenwerder plant.

The commissioning of this new production line in April 2006 represented the first application of the moving assembly object principle to the equipping of Wide Body / Long Range aircraft bodies.

Airbus aircraft in the categories A300, A330, and A340 move in the production line on rail-guided moving devices between two-story scaffolding platforms.

MCE's turnkey scope of work included the engineering, fabrication, construction, and commissioning of the overall system, including electrical, mechanical, and pneumatic equipment.

The focus for the design was the development of a flexible moving device to supporting the different types of aircraft. The customer acceptance of a moving device prototype in Linz marked the successful conclusion of this development phase.

The fabrication and preassembly of the moving devices were largely performed in the group's facility of MCE Slaný in the Czech Republic.

The steel frame construction of the fixed scaffolding, with dimensions of 4,000 m², the ten moving devices in all, and two drive units were all completed on schedule in December of 2005 after one month of construction. After implementation of the mechanical, pneumatic, and electrical components, the introduction of the first aircraft body into the assembly line occurred at the end of February, 2006.

After successful acceptance, the entire system went into production at the beginning of June, 2006.

Facts & Figures:

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| Steel construction: | 1,100 t | Customer: | AIRBUS Deutschland GmbH |
| Weight of loading frame: | 70 t | Project period: | 2005 - 2006 |
| Dimension of loading frame: | 28.5 x 8.5 x 7.0 m | | |

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