

SUCCESS STORY

SOUND INSULATION

PROJECT DATA

Brief description

Cisilent[®] Type E in its curtain system version to provide sound insulation for work in an aircraft maintenance hangar

Requirement

The opening to a space in the maintenance hangar needs to be closed off to protect employees in the rest of the hangar against noisy work within the space. The system enclosure needs to be easy to remove to provide access through the opening width.

City, year Sandweiler, 2013

PROJECT DESCRIPTION

Specialised maintenance services are provided in a modern maintenance hangar, where many aircraft, including Boeing 747 cargo freighters, are repaired. Work includes removing aircraft wings and preparing them for further use. The work needs to be performed in an adjacent space to protect employees in the hangar from noise. The noise control system needs to be easy to open and close, so that it not only provides protection against loud noise but also allows the wings to be carried into the adjacent space.

SOLUTION

Cisilent® Type E features as a curtain system to enclose the entrances to the space on both sides. Each curtain is split into two parts on either side to make it easy to evacuate the area in an emergency. The panels are fastened to guide rails that form a dual rail system, along which the suspended Cisilent® Type E panels are pulled over one another. Systematic overlapping of the panels ensures effective noise reduction when the panels are closed. Maintenance hangar, Sandweiler, Luxembourg



