

CASE STUDY



STURUP HANDLING AB, SWEDEN



HANDLING 24 TONS OF CARGO AT A BUSY INTERNATIONAL AIRPORT

Sturup Handling AB, based at Malmö airport in Sweden, handle just under 24 tons of loose-loaded cargo each year. Working out of doors, at temperatures down to minus 30°C means that the equipment must be reliable and robust.

Sturup Handling AB approached Caljan Rite-Hite and described their situation. They needed to unload freight from the rear end of Russian aircraft. They were considering a telescopic belt conveyor, but stressed that the equipment would need to be able to operate at very low temperatures. The cargo door in the aircraft was also high off the ground. Their prime concern was operator comfort and safety. The solution provided by Caljan Rite-Hite would need to be approved by the Swedish airport authorities and UPS.

The Caljan Rite-Hite Solution

As no two installations are the same, Caljan Rite-Hite custom-build all telescopic conveyors, based on standard components and options. For this application we designed a CB4-6-12.3-600 telescopic belt conveyor with a special undercarriage to raise it to the appropriate height, so that the belt was 2.4 m from the ground. Hydraulic movement enables the unit to be elevated to suit the various aircraft. A 3 m tail conveyor with integral hydraulic height adjustment provides ergonomic operating conditions for the operator working with »Igloo containers«.

Castors and a drawbar mobilize the unit, so that it can be placed as appropriate.

The surface of the conveyor was sandblasted and all joints sealed. Epoxy priming prior to painting protects the unit from the elements so that it can be used outdoors.

Both the customer and the airport authorities approved the solution without any hesitation.

Customer Benefits

This customized telescopic belt conveyor was built specifically to meet Sturup Handling's requirements. It can easily be moved by airport trucks and can withstand the harsh environment, with temperatures down to -30°C. Caljan Rite-Hite's telescopic conveyors are the safest on the market, providing ergonomic operating conditions. This solution complied in full with the expectations of the customer and the airport authorities.



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Henning Jönsson, Sturup Handling AB

»The climate in Sweden is rather special, with hot, humid summers and bitterly cold winters. In the South of Sweden, where the airport is located, the winter is short, but temperatures can drop to as low as -30°C. All the equipment we use must be able to withstand wet and icy conditions. Not pleasant to work in, we also try to do outdoor jobs speedily.

Unloading aircraft, especially aircraft with cargo doors that are high off the ground, can be difficult and time consuming. A belt conveyor is a logical solution to speeding up this task.

The SAFEtrack telescopic belt conveyor from Caljan Rite-Hite is easy for us to use. As the aircraft arrive, we simply tow the conveyor into place on the tarmac. The high undercarriage brings the belt close to the cargo door. The operator extends the boom, using hydraulic elevation to position the head of the boom in the aircraft doorway. Cargo travels rapidly along the belt and down the tail conveyor. The handlers simply transfer each item as it stop in front of them.«

Sturup Handling AB, Malmö Airport, Sweden

Malmö Airport is Sweden's third busiest airport, located approx. 28 km from Malmö. In 2003 Malmö Airport handled 23,733 tons of cargo. 22,797 tons of which was for international destinations.

Sturup Handling's parent company, the LFV Group, owns and operate 16 Swedish Airports ranging from small regional airports to large international airports.



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