

All-in-one interior solution for the SWISS long-haul fleet



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In this customer project Lantal developed and produced the whole soft interior for the new A330-300 long-haul fleet that starts its operational service in spring. Lantal supplied all textiles for Economy, Business, and First Class and brought in its comprehensive know-how for ready-made parts and services.

In close cooperation with SWISS and Airbus, the textiles' design was slightly modified for the new aircraft. Lantal supplied the complete interior project containing seat cover fabrics, leathers, steam-pleated curtains, and the pneumatic comfort system.

Lantal has been closely cooperating with SWISS for decades. The renowned European airline serves 90 destinations in 42 countries all over the world (as of summer 2009). SWISS is operating a 77-aircraft fleet. Switzerland's national airline embodies traditional Swiss values and aims to make each and every customer feel at home on its flights.

Customized pleated curtains

In this particular project for the initial interior equipment, Lantal brought in its in-depth competence for

comprehensive all-in-one solutions. As a part of its ready-to-install product range, the company delivered pleated curtains for the whole aircraft. Being a certified Production Organization, the required flammability test certificate according to FAR 25.853 was included in each delivery. On request Lantal also carries out smoke/ toxicity tests and issue the respective certificate for pleated curtains.

In July 2008, Lantal started the engineering work and implemented three specification revisions in the following.

Lantal created the exact drawing for the layout, the size details, part numbers and accompanying tie-backs for every single pleated curtain in the aircraft. The actual configuration of the A330 of SWISS contain 20 different curtains, varying in the fabric (E/Y, B/C, and F/C), their number of pleats, length, and weight – all depending on their location within the aircraft.

By the end of October 2008 all final drawings were approved by Airbus and SWISS and the production of the pleated curtains started. The first delivery of the steam pleated curtains was in December 2008 and is still ongoing.

Lantal pleated curtains are made of polyester fabrics and permanent heat-set. They are easy to install and remain their same straight and uniform shape even after numerous cleaning cycles.

Launch customer: pneumatic comfort system

Offering the passengers the ultimate in seating comfort, Lantal's pneumatic comfort system is being installed in the first and business class seats of the new SWISS A330 fleet for the very first time. This revolutionary technology replaces the conventional foam in seat cushions with air-filled chambers. Passengers can adjust the pneumatic pressure of the seat to suit their personal preferences, from firm when seated upright and medium when relaxing to soft in the fully flat position.

They feature distinctive advantages such as remarkably low weight, individually adjustable and adaptive comfort settings, full functionality across their entire life span, and enhanced hygiene.

Jet fuel consumption is perceptibly reduced due to the weight savings; this not only results in lower costs but also makes a measurable contribution to cutting the CO₂ emissions of an aircraft.

Seamless customer support

The single-sourcing of the new interior for the new SWISS A330 fleet simplified processes significantly. As a reliable partner for both SWISS and Airbus, Lantal was familiar with the whole interior project from A to Z and attended to every detail throughout the whole process.

The coordination efforts of the airline were reduced to a minimum: From the development of the soft interior design, the production, and ready-to-install services Lantal brought in its in-depth knowledge about soft interior solutions.

Comprehensive soft interior competence

Apart from pleated curtains, Lantal also offers pre-cut carpets, ready-made seat covers, laboratory services, and the development of customized interior design concepts.

For more than ten years, Lantal has been delivering pre-cut spare carpets for the whole SWISS short and long haul fleet.

If required, Lantal will also create design data and issue the respective Service Bulletin. As a production organization according to EASA regulations Part 21, Subpart G, Lantal is able to provide an EASA Form One with each physical delivery of ready-made parts.