

What coherent all-in-one solutions do for airlines and passengers

## **Lantal – system partner for comprehensive cabin solutions**

**Lantal Textiles, the leading provider of interior appointments for aircraft cabins, is showcasing the decisive strengths of its coherent all-in-one solutions at Aircraft Interiors Expo in Hamburg from April 4 to 6, 2017. At Stand 6E70 in Hall B6, visitors can acquaint themselves with innovations for peerless interiors with total customer support. Show highlights include the new long-life hybrid carpets, the debut of the modular literature pocket system, and new facets of Lantal's Pneumatic Comfort System.**

To exemplify its comprehensive aircraft interior solutions, Lantal is exhibiting innovations and latest developments in textiles, ready-to-install products, design competence, laboratory services, and pneumatic seat cushions. Thanks to its certification to EASA Part 145 and EASA Parts 21J & G as well as the access to aircraft seats and cabin components which this entails, Lantal now offers an even broader spectrum of products and services than a year ago.

### **From yardage supplier to system partner**

During the past years, Lantal has transformed itself from a typical yardage supplier to a provider of all-encompassing all-in-one solutions. The Swiss company oversees the entire process from development, production of textiles, engineering, certification, and delivery of ready-to-install parts for aircraft cabins. Customers benefit from a single point of contact and more streamlined project management. In view of its Production Organization Approval (POA), Design Organization Approval (DOA), and accredited test laboratory, Lantal is authorized to independently develop, modify, test, and manufacture cabin components.

Now, Lantal is going a step further, offering its customers the ultimate all-inclusive service package. As a system partner for comprehensive cabin solutions, Lantal can now also support customers with a broad range maintenance interventions involving passenger cabins. In this context, the Swiss company has extended its scope of deliverables to include the overhaul and modernization of seats and cabin parts.

To make this possible, Lantal Textiles Ltd acquired a company in Germany that possesses both a Part 21J and a Part 145 license with the requisite competencies. It is **ACC, Aircraft Cabin Components GmbH**. ACC is specialized in the procurement, development, production, repair, and distribution of overhauled seats and aircraft cabin components (Part 145) as well as in the provision of engineering services and development activities in the cabin segment (Part 21J).

Additionally, in late February 2017, Lantal acquired a production facility in Czechia from CarTrim K.S. This further expands its capabilities in the parts segment and integrates them under one roof. The company was renamed **Lantal Parts s.r.o.** and gives Lantal additional capacities to sew and upholster seats and seat covers and to assemble literature pockets while relying on existing know-how and production machinery.

#### **Inauguration of the first commercial fire test laboratory in the Middle East**

Lantal's fire test laboratory in Switzerland is globally acclaimed for its high quality standards and short turnaround times. Last year, jointly with Etihad Airways Engineering, the Langenthal-based SME opened the first fire test laboratory in the Middle East. Thanks to this partnership, Lantal's top-tier laboratory services are now available in the Middle East as well and effective immediately can be quickly and conveniently accessed via the **Lantal Textiles AG – Branch** in this important region. The new Lantal laboratory is located adjacent to the Abu Dhabi International Airport within the Etihad Airways Engineering facility. It offers services such as flame, seat cushion, heat release, and smoke tests.

#### **Modular literature pocket system**

To address market needs, it takes not only customer proximity, superb quality, flexibility, and all-in-one solutions but also innovative products. The modular literature pocket system is an example. It allows customers to conveniently configure signature literature pockets for their aircraft seats. The new system presents a multitude of material and color choices, making it possible to create perfect-match literature pockets in ten simple steps. This customizable solution is on display in various configurations at Lantal's stand.

**Hybrid carpets – longer-lasting and more comfortable**

Lantal's latest-generation hybrid carpets meld the best properties of wool and polyamide to deliver many new advantages. On the one hand, the carpets outperform the longevity of conventional wool carpets and on the other provide better underfoot comfort than polyamide (nylon) carpets. The new hybrid carpets also stand out with improved abrasion resistance and preserve the advantages of wool with respect to soiling. A new construction optimizes the dimensional stability of these carpets. Innovative processes accommodate many attractive design options and virtually unlimited colorways. Lantal also offers the carpets as accurately pre-cut parts, which results in considerable installation time and cost savings.

**Pneumatic Comfort System (PCS)**

Lantal's PCS saves costs due to reduced weight, a long service life, and maintenance-free operation. Individually adjustable comfort settings, a full-body massage feature, and better hygiene assure the ultimate in passenger well-being. To date, the PCS has been successfully deployed by Swiss in Business and First Class for seven years, by Lufthansa in Business Class in nearly its entire fleet, and by Edelweiss as well. In 2015, Lantal was able to acquire Etihad, the prestigious Abu Dhabi-based airline, as a PCS customer in the Middle East for the Business and Super First Class cabins of its A380 and B787 aircraft. And last year, Philippine Airlines was the first carrier in Asia to introduce the PCS. Lantal's Pneumatic Comfort System now provides options for integrating seat heating and seat cooling functions as well. The result, as verifiable at the Lantal stand, is a more uniform temperature experience combined with significantly enhanced passenger comfort.

**Conceptual Forecast 2017**

Lantal's Design Team is presenting the Conceptual Forecast 2017 for fabrics and carpets, offering customers inspiration for future interior projects. This year again, the key insights gained in trend scouting and benchmarking were distilled into the new Lantal Trend letter. It reveals three trend vectors that will inspire the interiors of all aircraft cabin classes. The research culminated in the new Conceptual Forecast 2017 for seat-cover fabrics, leathers, carpets, and curtains. It is on display at the stand.

**Lantal's hand-tufting manufacture – 40th anniversary**

Since 1977, the Melchnau production site has been creating extraordinary hand-made carpets with a technique called tufting. There are no limits as regards the implementation of design ideas with Lantal's hand-made carpets. With this venerable artisanship, experts can produce carpets of exceptional shapes, sizes, styles, and patterns in practically boundless variety. Hand-tufted carpets are true eye-catchers in exclusive VIP interiors. Lantal uses only first-class materials and elaborately produces all carpets by hand in Switzerland.

The order mix has changed significantly during the past 40 years. Originally, Lantal served only the contract market. The hand-made floor and wall carpets from Melchnau were installed mainly in hotels, banks, administration building, showrooms and executive offices. Often, projects were executed together with architects and artists. The contract segment was discontinued in favor of the transportation market and today, Lantal "tufts" predominantly for VIP aircraft cabins. Most of these carpets are produced for private jets and government aircraft as well as helicopters and superyachts. In some instances, they are crafted for the First and Business Class cabins of passenger aircraft.

***Lantal – Transportation Fashion***

*Lantal is the leader in the design, production, and distribution of textiles as well as parts and services for the international community of aircraft, bus, and railway operators as well as for business jets and superyachts. The company offers forward-looking counsel and coherent all-in-one solutions with the objective of achieving the ultimate in passenger well-being.*

**Photos**

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