

Lantal Anticipating the future today



Lantal is a leading manufacturer of textiles for soft interiors and a globally acclaimed design powerhouse. Relying on its strong market position and its Swiss roots, Lantal was able to build an inimitable brand with distinctive values of its own. The core of Lantal's culture and the people living it has grown over the decades – long before the current brand was created. This long-standing heritage is the heart of Lantal and lives on – not by clinging to the past, but by constant innovation and renewal. Values such as honesty, respect, trust, positive thinking and fore-sight are the foundation for Lantal's business activities and products. They keep the company focused on its ultimate vision: to assure the ultimate in well-being for travelers.

At Lantal, fore-sight has always been understood as being aware of tomorrow today and anticipating and considering relevant future aspects: ecologically, socially, technically, and economically. In terms of ecology, Lantal has therefore been making continuous efforts to economize energy and other resources within the production process and the composition of specific products – independently from the current public discourse about the protection of the environment.

Responsible energy management

At the Swiss production sites, the two most important aspects are the water reconditioning system in the dyehouse and the reduction of CO₂ emissions throughout all manufacturing processes. For the latter purpose, Lantal cooperates closely with the Swiss government's energy agency to set and attain clear targets. This Swiss federal entity acknowledged Lantal's efforts with the CO₂ label which is associated with an annual audit, and Lantal is proud of the fact that it has been renewed each year since 2002.

Heat recovery in the dyehouse is another example of Lantal's efficient energy management policy. For this purpose, all wastewater that is hotter than 50°C is collected in two 50,000-liter tanks to store the thermal energy. Fresh feedwater for the dyehouse is passed through a heat exchanger and warmed. A similar system of heat reutilization is applied for the drying of bobbins and skeins. Additionally, all wastewater is cleaned in a special plant so that it can be drained into the public sewage system.

Moreover, Lantal has launched numerous recycling initiatives. With strict recycling rules, we assure that as many resources as possible can be reused. We separately collect many different items such as paper, aluminum, PET, and metals and forward them to a local recycling station. Materials that cannot be recycled are sent to a local waste incineration plant. The heat released in the combustion process with these materials is used to generate electricity.



Combining superior comfort with ecological advantages

Since 1999, Climatex fabrics have been well known for their unique climate control seating comfort and for their full biodegradability. In June 2007, Climatex Lifecycle and Climatex Lifeguard received the Cradle to Cradle Gold Certification for their eco-efficiency. Their production processes and materials were reviewed with regard to materials, material reutilization, design for environment, energy, water and social responsibility.

Climatex Lifecycle upholstery fabrics are environmentally sound and fulfill all relevant industrial standards. Climatex LifeguardFR is an airworthy extension of the Climatex series without restrictions as regards its biodegradability.

Lightweight in the air

Another trendsetting innovation is Lantal's pneumatic seat cushion, providing an unprecedented seating experience. Thanks to lightweight materials and air-filled structures instead of conventional foam cushions, they effect a remarkable weight reduction, lower jet fuel consumption and cost savings for the airline.

The Pneumatic Comfort System has demonstrated that it complies with the stringent requirements of civil aviation. Since its commercial launch in 2005, Lantal's pneumatic cushion technology has been pushed forward on many fronts. Meanwhile, the Pneumatic Comfort System is a standard feature in the Business and First Class sections of many airlines, making a significant contribution to weight savings and thus to the reduction of CO₂ emissions. Additionally, Lantal has developed particularly lightweight fabrics and carpets that weigh about 20% less than conventional products.

In anticipation of tomorrow's needs, Lantal is working on further innovative and fore-sighted solutions which address future factors and comply with the company's entrepreneurial commitments. As a Swiss manufacturer, Lantal guarantees its customers that all of its products are produced in a sustainable way – due to the strict ecological standards stipulated by Swiss law, but also to the company's dedication to sustainability in favor of future generations.