

CO2 savings for aviation through innovative plastic solutions: DEMGY presents new technologies and

DEMGY at the Aircraft Interiors Expo: Hall B6, Stand 6B/88B



Hamburg, xx. The DEMGY Group, a technology group specializing in innovative plastics processing, will provide an insight into its extensive portfolio of intelligent technologies and components for aircraft interiors at the Aircraft Interiors Expo (AIX, April 8-10). DEMGY's high-performance plastic and composite solutions are lighter than metal, enabling significant energy and CO2 savings. In **Hall B6, Stand 6B/88B**, visitors can also get an overview of the company's unique circular Multiplasturgy® offering: a one-stop store combining 15 areas of expertise and forming the basis of DEMGY's circular eco-design approach.

Innovative solutions for the aviation industry at six international locations

Supported by three R&D centers, the DEMGY Group is dedicated to the development and processing of high-performance engineering polymers and composites for the aerospace industry at its sites in France (Normandy, Atlantique), the USA (Chicago), Romania (Făgăraș) and Germany (Lemgo and Euskirchen). In addition to all relevant certifications, the team draws on extensive expertise in the areas of injection moulding, machining, extrusion and deep drawing as well as autoclave technology and mould making, metallization and surface treatment. From the development, design and manufacture of high-precision parts to their assembly and maintenance, the DEMGY Group is able to offer aircraft manufacturers and airlines around the world tailor-made solutions from a single source - from wear, fastening and friction parts to components for cockpit controls and cabin equipment such as window frames, signs, cabin dividers, seat elements, fire panels and emergency tools.

circular Multiplasturgy®: a closed-loop model for the industry

The DEMGY Group's unique circular Multiplasturgy® offering is a one-stop store that combines 15 areas of expertise in the processing of high-performance polymers and composites. circular Multiplasturgy® includes eco-design, end-of-life management and the recyclability of products. The aim is an infinite cycle in the end-of-life and recyclability of products are already taken into account in the design phase.

High potential savings in costs, weight and CO2 emissions for aviation

DEMGY EIS specializes in individual parts and components for aircraft interiors at two locations in Germany. One focus is on the redesign of metallic structures into lighter, more cost-effective plastic parts and the optimization of existing plastic components

Today, many parts and components made of metal are still used in aviation. These are cost-intensive to manufacture and also significantly increase the energy consumption of aircraft due to their weight. DEMGY EIS solutions have comparable performance characteristics to metal products, but are many times lighter. This results in significant energy savings over the entire life cycle - which has a considerable impact on the CO2 footprint in the energy-intensive aviation industry.

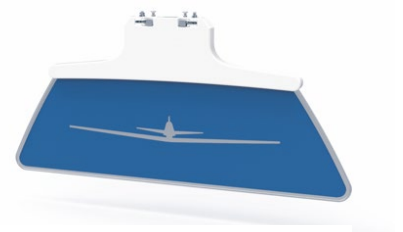
At AIX in Hamburg, visitors to the DEMGY EIS stand can look forward to new mobile elements for separating cabins, among other things: the company can produce the "**Movable Class Dividers**" in various customized versions for different cabins, including, most recently, for the Airbus 320 Enhanced Cabin.



The certified "MCDs" from DEMGY EIS are considerably lighter than traditional industry-standard room dividers and take up very little space. They can be moved by the cabin crew in a few simple steps, depending on how busy the aircraft is. For this purpose, interfaces are installed at each position into which a quick-change

fastener can be inserted. The modern design concept of the Movable Class Divider allows the attachment of a transparent or colored plastic panel as well as curtains and is therefore open to all branding options

Airlines benefit from the flexible and easy installation of Movable Class Dividers, while passengers benefit from a more open feeling of space, visibility and legroom.



©DEMGY - Movable Class Divider

Cross-location synergies

The DEMGY Group's wide range of innovative production processes includes the selective metallization of individual components as well as 3D additive manufacturing, both of which

are part of L'Atelier 3D developed by DEMGY Normandie. Selective metallization improves the conductive properties, increases the mechanical or chemical potential of surfaces and gives them functionality

Stamping processes for composite materials with a thermoplastic matrix for large-scale production are one of the main focuses of DEMGY Atlantique, while DEMGY Chicago has special expertise in the field of high-performance thermoplastic injection molding.



©DEMGY - Examples of various components from different production processes

With the DEMGY Group, OEMs, suppliers and airlines can benefit from cross-location synergies between the subsidiaries DEMGY EIS, DEMGY Normandie, DEMGY Atlantique, DEMGY Romania and DEMGY USA, which focus on the aviation sector - and thus from a unique variety of competencies in the production of customized and individual solutions from a single source

At the Aircraft Interiors Expo, the DEMGY Group will be exhibiting in Hall B6, Stand 6B/88B as part of the 1,500 m² Hanse-Aerospace joint stand.

About the DEMGY Group:

Founded in 1947 in Normandy, DEMGY specializes in innovative plastics and composites technology. Manufacturers, engineers and designers from a wide range of industries use the DEMGY Group's innovative solutions for the production of high-quality components. The Group's services range from research and development, material selection, co-design, development and prototyping to the production of subassemblies and assemblies. Thanks to the Group-wide collaboration between a wide range of specialist areas ("Circular Multiplasturgy" offering), DEMGY is also able to facilitate the efficient and sustainable implementation of even the most complex plastic and composite projects from a single source

The DEMGY Group's overarching goal is to promote the decarbonization of the industry and reconcile its competitiveness with environmental responsibility. The Group is constantly working to optimize the life cycle of plastics and reduce the carbon footprint of the production chain.



Today, the DEMGY Group unites more than 800 employees at five locations in France, two locations each in Germany and Romania, one in the USA and three research and development centers.

About DEMGY EIS:

The German branch of the DEMGY Group, DEMGY EIS GmbH, specializes in aviation and has been established in this industry for over 60 years. OEMs, suppliers and airlines benefit from the company's comprehensive expertise in the development and manufacture of customized plastic and composite components for the strictly regulated aviation industry. At two locations in Lemgo and Euskirchen, a wide variety of components for aircraft equipment are developed and produced. DEMGY EIS a comprehensive range of services: from conception & design to prototype construction, production and maintenance, the entire value chain is covered.

The high-performance plastic and composite solutions from DEMGY EIS are many times lighter than similar products made of metal and therefore contribute to significant energy savings - which has a considerable impact on the CO2 footprint in an energy-intensive sector such as the aviation industry.

Press contact:

Alexandra Maiberger
Email: amaiberger@pr-am.com ;
Phone: +49 179 4674310