

PORTFOLIO











INDUSTRIAL DESIGN

From Sketch to Prototype Building | Transportation-/ Product Design Graphic Design | Ergonomics and Human Factor Studies/Tests 1:1 Scaled Experimental Mock Up | 1:1 Sales Mock Up (with partners)



Photorealistic Renderings | 2D/3D Animation Product Video | Corporate Video | Explanation Video

VR APPLICATION

Interactive Application for 3D VR Goggles and / or Website

LIGHTING SIMULATION & LIGHTING DESIGN

Physically Correct Lighting Simulation | Lighting Scenarios Analysis Lighting Ergonomics, Optimization | Lighting Concept

RESEARCH & DEVELOPMENT

Research Projects | Future Projects | Analysis and Verifications Innovative Technologies | Case Scenario

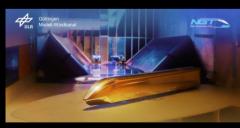
3D CAD & DATA MANAGEMENT SERVICE

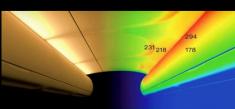
Splines- / Polygon Modelling | 3D CAD Assemblies | Digital Mock Up Package | Construction Support | Feasibility Studies











AIRBUS

altran



BOMBARDIER









eurodomo*



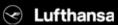


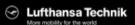




H⁴Aerospace

































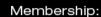


















SCIENCE R&T





Science R & T

Ergonomic Research | Eco-Effcient Lavatory



ECOLAV PRM (person with reduced mobility) - optimized lavatory with standard footprint, sensor-controlled, voice-operated, colour-optimized for visual impaired people, accessible with onboard wheelchair.

Supported by:



Research Project together with

AIRBUS









TRANSPORTATION

















Transportation DESIGN Lavatory Design | Ergonomics | Mock Up



The High Integrated Flexible Lavatory (HILA) offers more space, convenience, comfort and hygiene because of it's flexible concept. The development group, AIRBUS, DASELL / DIEHL and iDS Hamburg received the international design award Crystal Cabin Award 2010.



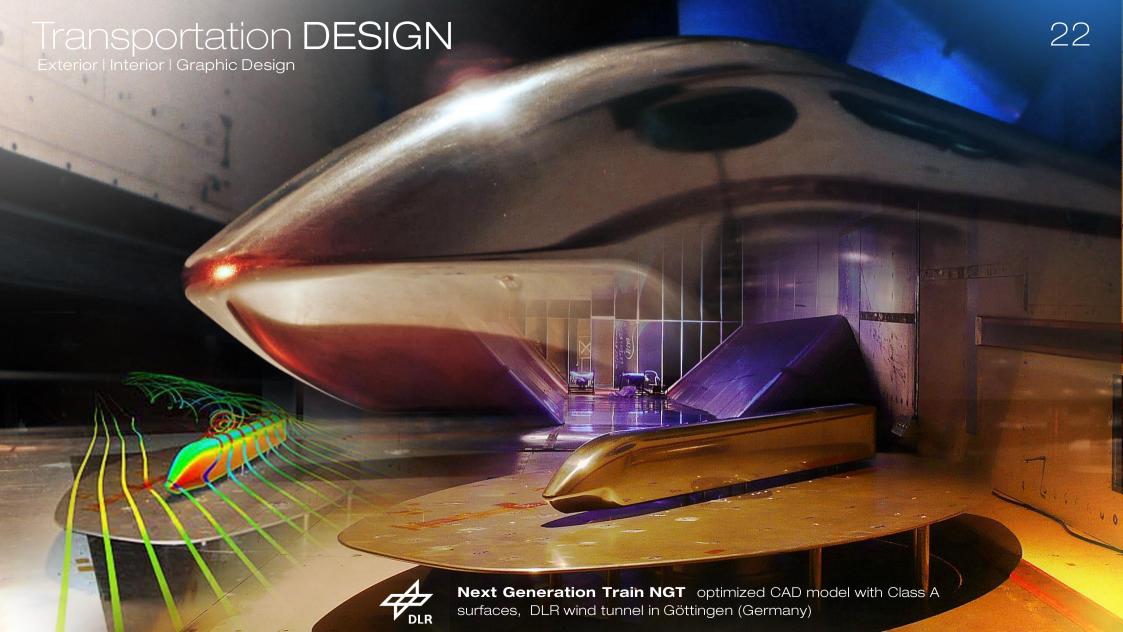




Transportation DESIGN Exterior | Interior | Graphic Design







Transportation DESIGN Exterior | Ergonomics TOTAL





to a common package and finally to the construction of the car body surface data.





Industrial DESIGN

Seat Design | Ergonomics



Pilot Seat Helicopter seats have to fulfil highly demanding requirements, especially corresponding to lightweight construction, ergonomics, emergency landing conditions and crash scenarios. The design of the pilot seat reflects the ambitious technological demand. The prototype has successfully been showcased at various exhibitions. Customer: F&E, Fischer and Developments from Landshut / Germany





Industrial DESIGN

Product | Ergonomics | Pre Construction



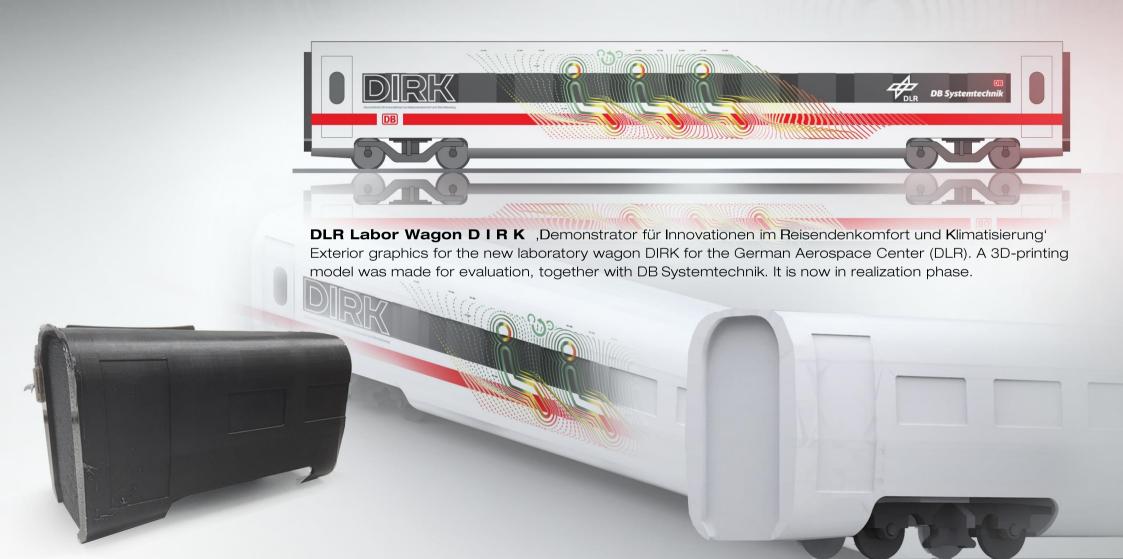


EcoStar 500 A moulding for the products of MHG Heiztechnik (former MAN Heiztechnik), a leading premium manufacturer of oil-heating value technology, which consequently covers the entire product line-up. EcoStar 500 does not only reflect accuracy and quality of the products but also adds its own identity which corresponds to its high-grade appearance. We continuously used a special blue color accent for the MHG corporate design. The products are currently being sold successfully, specifically within the European markets.

very successful serial product.

Graphic DESIGN

Exterior | Graphic | Scaled Model







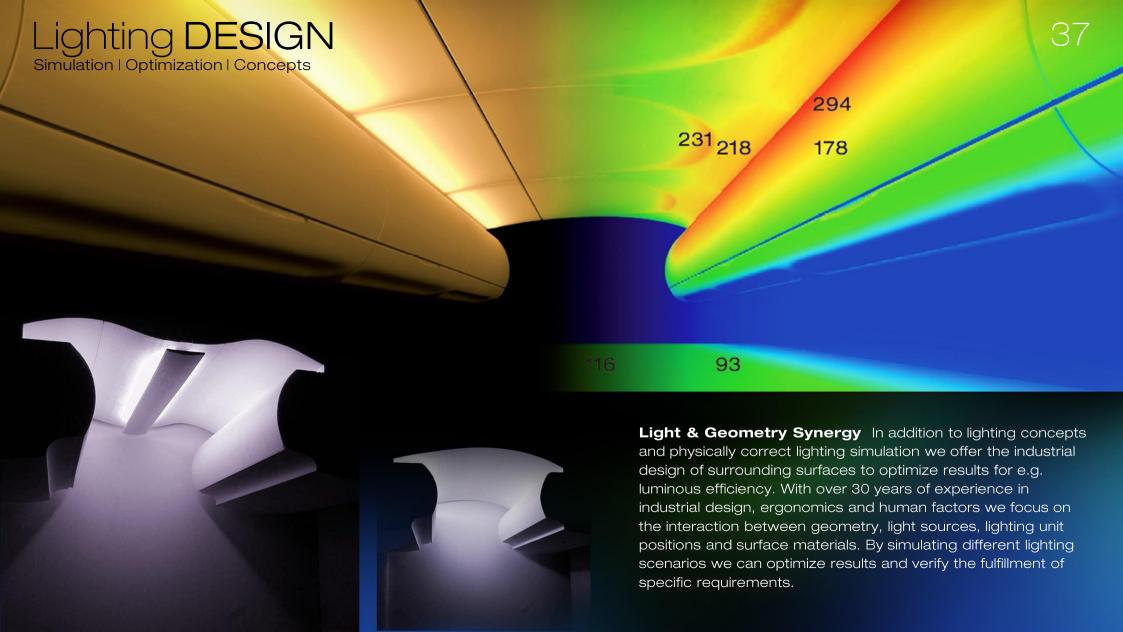






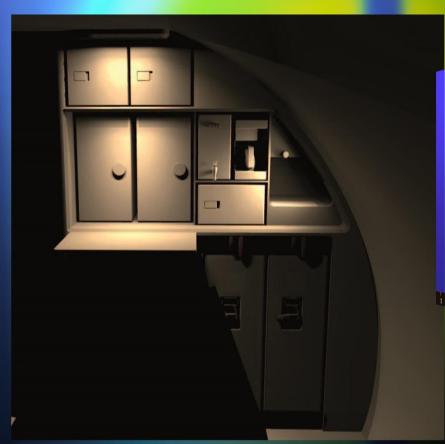


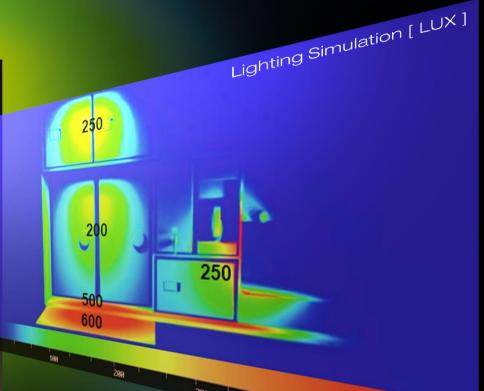




Lighting DESIGN

Simulation | Optimization | Concepts





Lighting Optimization We offer physically correct lighting simulation and lighting optimization in aircraft cabins, for monuments as well as other transportation interiors and architecture projects. Ergonomic design and analysis of illumination level on e.g. work spaces that can also be represented in false colour renderings (e.g. for illuminance [LUX]) can support the design process in an early stage and can validate the fulfillment of specific requirements or customer needs.

HALL PLANNING CORPORATE DESIGN CORPORATE DESIGN



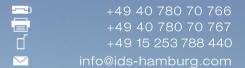






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