

DIANA: Cabin Design Concept

Industrial design meets innovation

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Characteristics

DIANA is a generic cabin design concept with an unique and visionary cabin design language.

The concept takes a holistic approach, combining all lining parts (side walls, bins, ceilings, and monuments such as lavatories and galleys) with innovative design features such as organic, convex and concave surfaces, edges, and facets. The cabin lighting system interacts with the design elements by using light and shadow to create a new cabin experience for passengers. This concept was developed as a part of the research project "DIANA".

Benefits

- New lighting features
- Enhanced passenger experience
- Individualization through customization
- Ergonomic moveable bin design with increased storage volume



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Technical features

- Special surface geometry to:
 - support cabin lighting system
 - integrate technical functions into the lining parts (iPanel)
 - improve physical attributes (e.g. weight, acoustics, and statics)
- Distinguished lighting features for a new cabin appearance
- Ergonomic movable bin design with increased storage volume
- Dedicated design elements for customization
(e.g. touchless controls for the shading system, OHSC latches)

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