

CATIA V5-BASED SOLUTION FOR FURNISHING DESIGN

The CENIT solution and support concept **FUNCTIONAL FURNITURE** for designing furniture and fittings is based on **CATIA V5**. **FUNCTIONAL FURNITURE** provides added value for industry sectors and companies whose products are defined by a proportion of high-quality furniture and fittings, such as the yachting industry, shipbuilding, motorhome makers as well as aircraft manufacturers.

This holistic solution allows the complete process chain for furniture and fittings design to be modeled, in other words from the first draft and manufacturing through to product modification.

► SOLUTION FEATURES

- Design of furniture and fittings based on diagrams and parameters directly in the three-dimensional space
- Incorporation of corporate expertise such as standards and regulations:
- Materials
- Joints (dowels, tongue and groove, etc.)
- Fittings (concealed hinges, hinges, drawer slides, locking systems, etc.)
- Various initial models (design principles) for carcasses with different arrangements and front designs
- Simple reuse of existing design data
- Design can be done from scratch, without an initial carcass

► CUSTOMER BENEFITS

- **FUNCTIONAL FURNITURE** creates native CATIA V5 data, which means important data can be used without restrictions within the CAD and PLM process chain:
- Analyses, e.g. in respect of weight and center of gravity
- Digital mock-up for the digital assembly
- Rendering for photos and video animations
- 2D drawings for manufacturing and assembly
- Automatic derivation of manufacturing information, for example cutting to size and nesting
- NC program creation and simulation
- Product data management for versioning and releases

► KEY INDUSTRIES

- Aircraft Construction
- Interior Design
- Shop, Object and Furniture Construction
- Mobile Home Construction
- Naval Architecture (Ships and Yachts)
- Carpentry



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