



Brändle Pedro Rosso Case Study

Pedro Rosso is the new Brändle fire truck with specific innovative functionalities. The prototype has been presented at the Interschutz exhibition 2005 in Hannover, Germany. Pedro Rosso features new functionalities like a very high modularity of the cabin-design elements suitable for application on different types and sizes of chassis and several options (like working and safety lighting, accesses and openings, indicators of tank levels, etc.) for the rear module, in order to allow a very high customization. Integration of homologated carry over components, including research of potential suppliers and development of specific aluminum and composite elements, have been carried out in terms of rationalizing tooling and production costs as well as optimizing installation and maintenance.

The project included concept and design development as well as the realization of 3D data for visualization and manufacturing of the prototype and the production tooling. A movie presentation as well, as renderings of several posters for the fair presentation and the market-launch also were part of Protoscar's deliverables.

08/05

Protoscar

3D DIGITAL SOLUTIONS



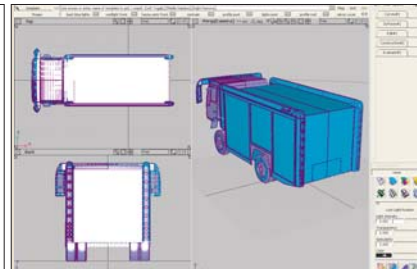
First sketch



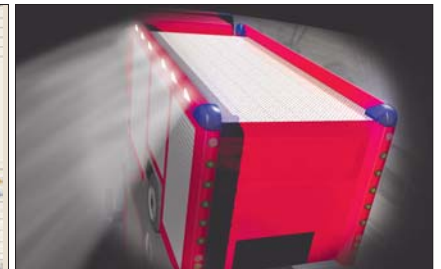
Concept study sketches



Design details



3D CAS modelling (ALIAS)



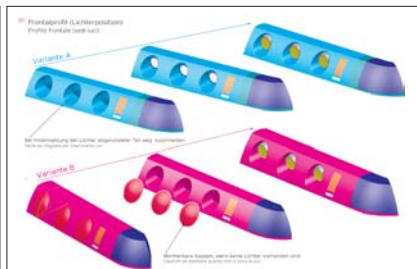
Virtual rendering for the functionalities evaluation (ALIAS)



3D renderings for design evaluation and presentation (ALIAS)



3D renderings for production evaluation and presentation (CATIA)



3D surfaces for production (CATIA)



Prototype realization (by Brändle)



Presentation of the prototype at Interschutz 2005