

LDorado Harness Lab –

a fully dedicated development tool for harness design based on STEP AP212 and KBL-XML



As the developer of **LDorado Harness Lab®**, **COMSA GmbH** has an excellent reputation in the area of harness design systems. The company developed GRIVAD/pcWin, a dedicated harness design solution for the BMW Group and its suppliers, based on the Medusa/pcWin product.

Since the launch of GRIVAD – the harness design system at BMW AG – in 1985, COMSA has played a leading role in the development of this sophisticated system and has also been continually involved in

Generally speaking, at the beginning you have topological data (from a 3D CAD system like CATIA or from a full-scaled 2D drawing) and the electrical/logical data (perhaps from the E³.series from CIM-Team in Ulm). LDorado Harness Lab aggregates the data from both sources and makes it available to the users in a multi-user environment via the LDorado server.

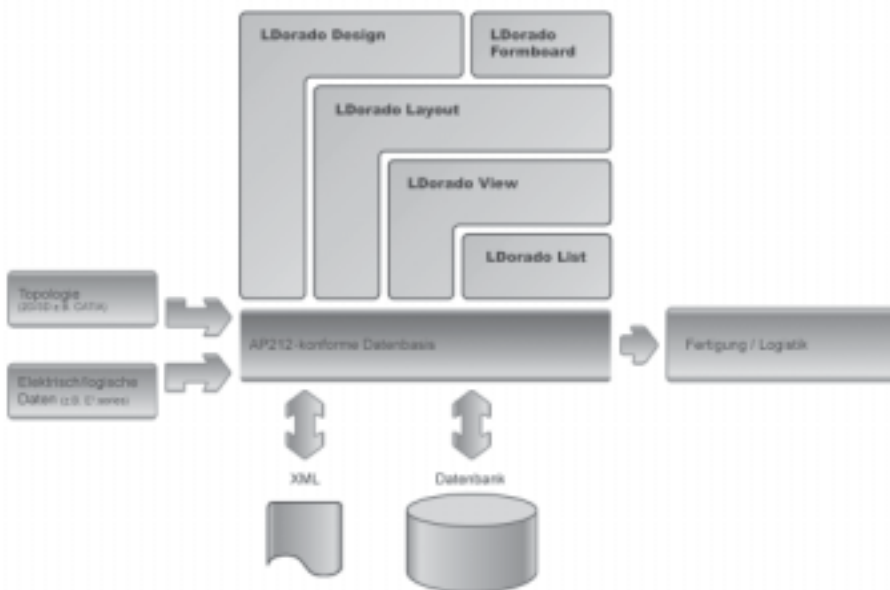
LDorado Harness Lab is a stand-alone design tool, fully dedicated to the needs and wishes of the harness industry. In other words, it is not merely a CAD system with harness functionality. It speaks the language of the wiring harness industry. And that is the crucial difference between LDorado Harness Lab and other systems on the market.

The LDorado object model is based on AP212 (ISO 10303 STEP). This fact, in conjunction with an XML interface based on the standardized harness description (KBL), makes LDorado Harness Lab an ideal, format-neutral tool for harness design. Interfaces to and from all the leading CAD tools in this area via KBL-XML are thus an integral part of LDorado Harness Lab.

LDorado Harness Lab is a client/server application comprising of a multifunctional multifunctional client running under Windows® and a Java server. The operating systems on the servers can be UNIX, Windows, or even VMS.

COMSA works together with a network of recognized and experienced partners to cover every phase of the harness design process. This includes not only the preparation of electrical/logical information from circuit diagrams and circuit board schematics, editing the data for cost calculation, module partitioning, chopping, integration of cutting machines and production control centers but also logistics. ■

Further information at www.LDorado.HarnessLab.com.



further technical enhancements, as well as in sales and marketing. This wealth of expertise and know-how has now been incorporated into the new harness design system LDorado Harness Lab.

LDorado Harness Lab is a fully comprehensive solution for harness design in the automotive industry. It supports the complete development process, from the first design draft, right through to the automatic creation of manufacturing documents for harness suppliers.