Surface Refinement

ICEM Surf PLM-Link

Supporting Product Lifecycle Management Systems

An add-on module to ICEM Surf Professional, ICEM Surf PLM-Link focuses on the integration into any existing PLM environment. With an open and flexible architecture it is designed to integrate into a variety of PLM systems currently available in the marketplace.

KEY CAPABILITIES

Starting ICEM Surf

From within the PLM System, selection of native data (input-) files will automatically launch ICEM Surf containing the requested data. In addition to the various supported data file formats* ICEM Surf session file used by the Reference is also supported.

Saving Information to the PLM system

Support and notification of PLM System data file Check-in & Check-out processes.

Data conversion

Support of PLM system access to ICEM Surf's data conversion utilities to allow easy conversion of differing file formats* in batch mode or "on the fly" for usage in other receiving CAD systems.
After direct conversion of the ICEM Surf data into the required format the target system can be started and the data automatically loaded.
The following file input formats are supported (to automatically convert and start ICEM Surf):
Surf Database (ICEM Surf native Format)
EDF (ICEM Surfs External Data Format)
Rawdata
ASCII part file
Catia V4/V5 file
IGES file
Unigraphics file
VDA/FS file
Scan
STL
 * Special licenses may be necessary
Output formats are identical to the input formats listed above (except Rawdata) plus: Inventor | VRML | Tiff | CGM | Postscript

Receiving files from the PLM system

Support of PLM system processes to request the opening of an ICEM Surf file whilst ICEM Surf is open. By starting ICEM Surf with a connection to the session to the PLM system, subsequent transactions between the PLM system and ICEM Surf can be automatically processed.

Geometry check

Support of PLM system batch mode access to ICEM Surf's geometry check utilities, to allow geometrical and quality analysis of curves and surfaces within data model without launching ICEM Surf.

Customer benefits

o   Integrate ICEM Surf with the rest of your engineering and design systems, improves workflow, and data integrity.

o   Reduce training requirements for casual users or non-technical management, for product review.

o   Share ICEM Surf digital assets more easily with the rest of the organization and downstream applications.

o   Save time and improve quality with offline data conversion and geometry analysis.

o   Apply all the benefits of using a PLM system to ICEM Surf data, like revision control, data security and version control.

o   The unique design methodology of Reality Modelling* within ICEM Surf becomes available.

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