

Use Case 6b: Design to Design (Full model logic)

Purpose

Exchange of a complete design model including all parametric dependencies and the modeling history. This use case must be implemented when changing the design system within a project or between phases of design from one designer to another.

Requirements for IFC-Tunnel:

With the currently available IFC technology, the exchange of parametric design will not be feasible in most scenarios. There are exceptions, when simpler parametric design is used. Even the exchange of the parameters that are the base for the parametric design is possible, there is a lot of program specific logic that cannot be moved between different software or sometimes even between different versions of a software.

Geometry:

Fully parametric description of the geometry.

Semantics:

Full tunnel model semantics.