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Brief of IFC Model Server Project

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1. Project Background

In the last few years the AEC/FM specific product data modeling has developed fast because of International Alliance for Interoperability, IAI and Industry Foundation Classes, IFC. The current IFC model provides many possibilities for the industrial use. Traditional file based information exchange is not sufficient for the real world needs. The one of key elements is model server functionality on the Internet. The IFC Model Server project focuses on database, XML, and Web Service approach to develop model server prototype.

VTT and Secom Co., Ltd are the main body of this project. Secom is interested in IFC and its sharing technology for security industry use.

2. Overview of IFC Model Server

The IFC Model Server prototype aims to realize following features to provide model server function on the Internet:

- Storing IFC model data in a database system.
- Partial model data selection and merging function.
- Providing model server function as Web Services with SOAP communication between model server and client software on the Internet.

3. Collaborative Projects and Partners

The following projects are using IFC Model Server in their project.

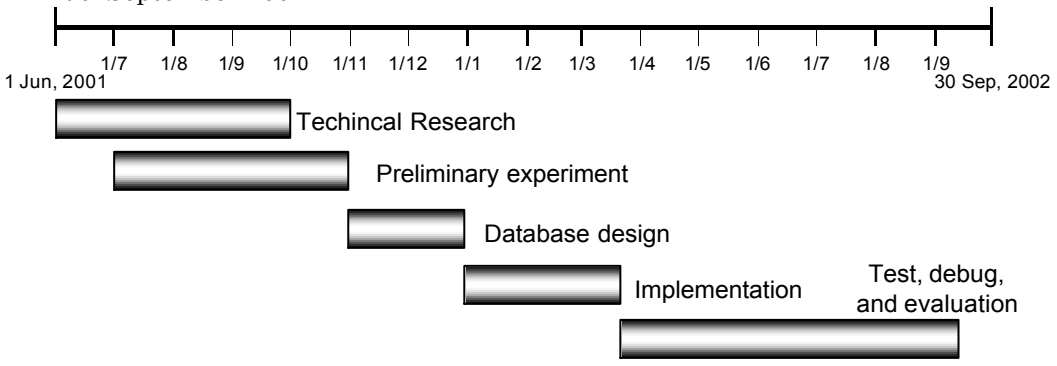
- VTT Building and Transport, Information Management Platform, IMP Project
- Salford University: 3D to nD Modeling (http://ndmodelling.scpm.salford.ac.uk)
- IAI French Chapter: Claire Project

IFC Model Server project has been talking technical issues about model server technology with following organization:

- EuroSTEP Oy. Finland
- IAI and BLIS Project members (especially CSIRO, Australia)
- GINTIC, Singapore

4. Project schedule

- Started: June 2001
- Ends: September 2002



5. Major presentations

- Vera seminars: Aug. 2001, Nov. 2001, Apr. 2002, Finland
- IAI Japan Technical Seminar: Feb 2002, Japan
- IAI French Chapter meeting: Jul 2002, France
- ECPPM 2002: Sep. 2002, Slovenia