

BIM – **finite Way to** **SMART Construction**

building **SMART**
INTERNATIONAL

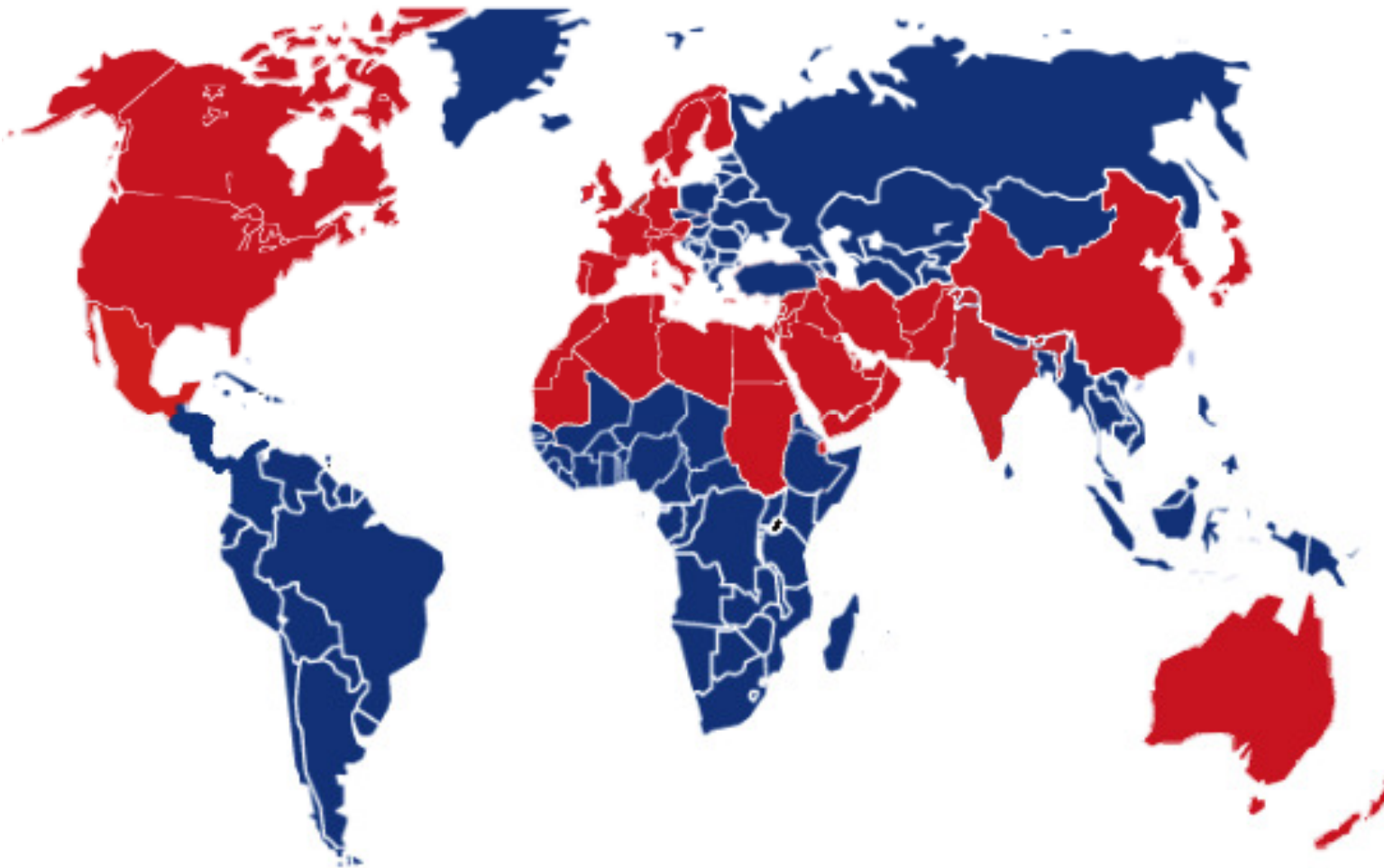
**.....a neutral, international
and unique organisation
supporting open BIM
throughout the PROJECT
life cycle.....**



**IAI = International
Alliance for
Interoperability**

...since 1995...

REGIONAL ALLIANCES



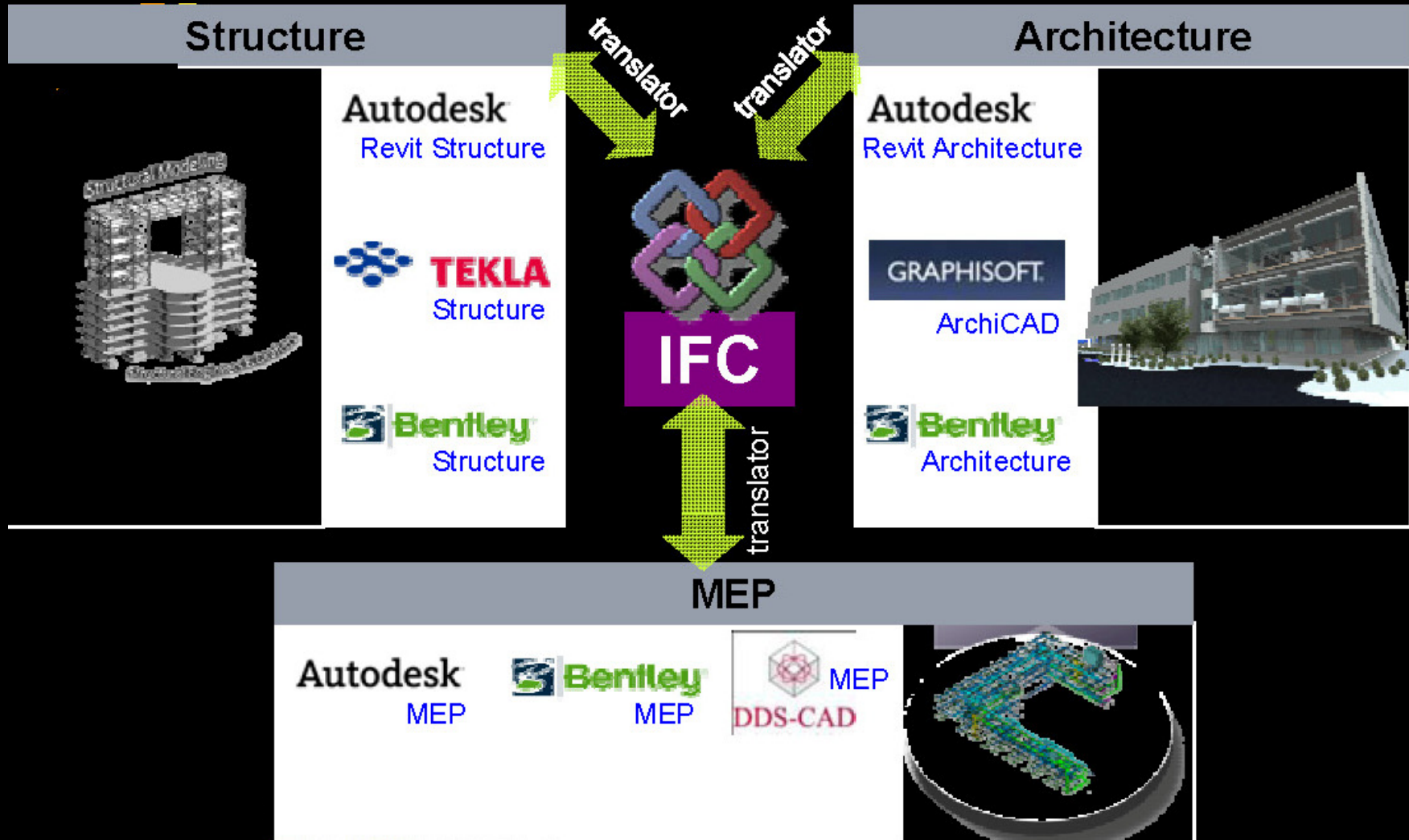
- Australasia
- Benelux
- buildingSMART Alliance (North America)
- China
- French speaking Alliance
- German speaking Alliance
- Iberian Alliance
- Italia
- Japan
- Korea
- Nordic
- Singapore
- United Kingdom & Ireland

.... home of open BIM

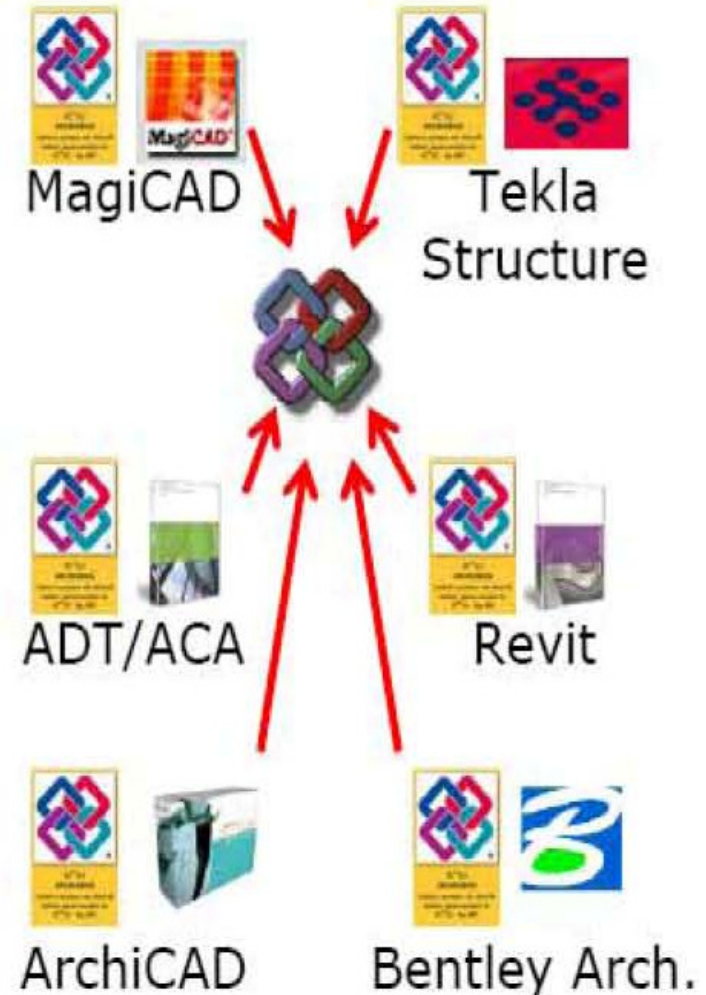


IFC = INDUSTRY FOUNDATION CLASS

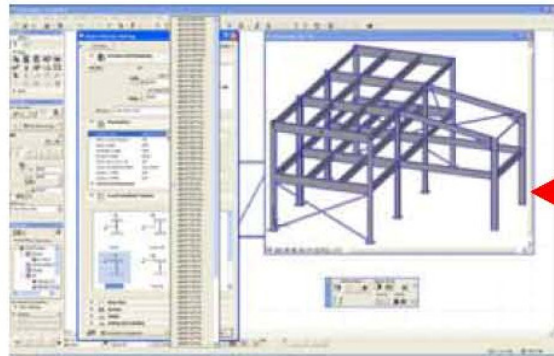
IFC AS TRANSLATOR



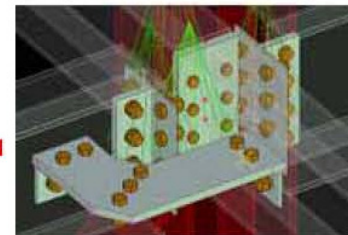
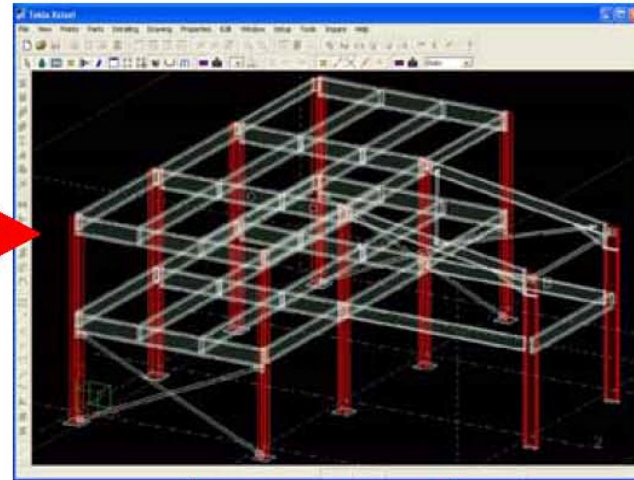
- **The best tool for the job**
 - Optimal work process
- **Different design partners**
 - Attract projects/clients
- **Use of IFC**
 - Allow for flexibility
- **Close dialog with vendors**
 - Reliable IFC quality



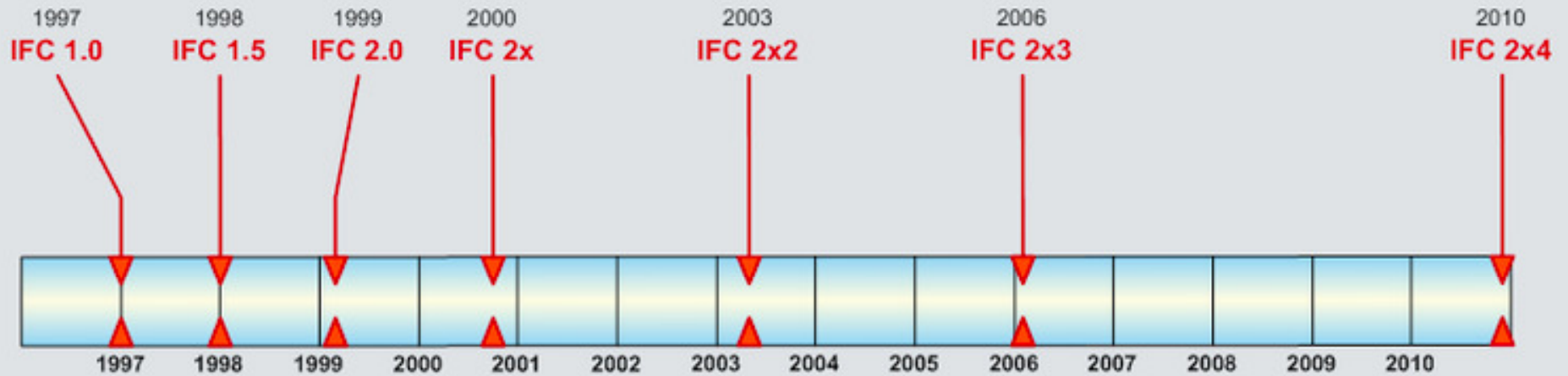
IFC - downstream - installation/fabrication



GRAPHISOFT.
ARCHICAD



Summary of IFC releases



1996

2011

- * **SS CP 80 : 1999 Classification of construction cost information**
- * **SS CP 83 : Part 1 to 5: 2004 Organisation and naming of CAD layers..etc**
- * **SS CP 93 : 2002 Classification of Construction Resources Information**
- * **SS CP 97 : Part 1: 2002 Construction Electronic Measurement Standard -
Standards Method of Measurement for building works**
- * **SS CP 97 : Part 2: 2004 Construction Electronic Measurement Standard -
Standards Method of Measurement for M&E works**
- * **SS 517 : 2005 Information exchange and documentation at
handing/taking over of buildings upon completion**
- * **SS 527 : 2006 Building Project Documentation Control System**

Time (4D)



3rd party Applications
(6D) - Green BIM

BIM Model
(3D)



Cost (5D)



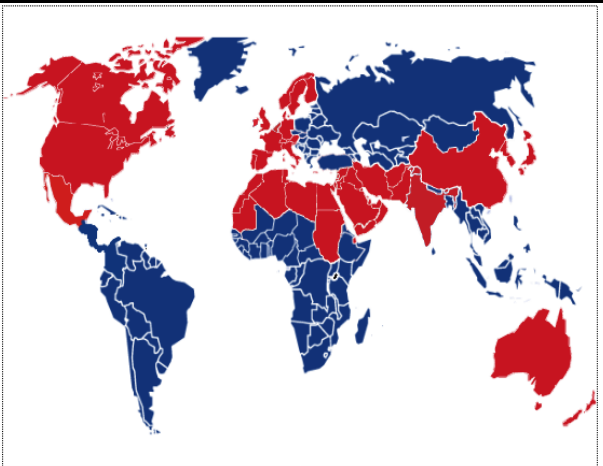
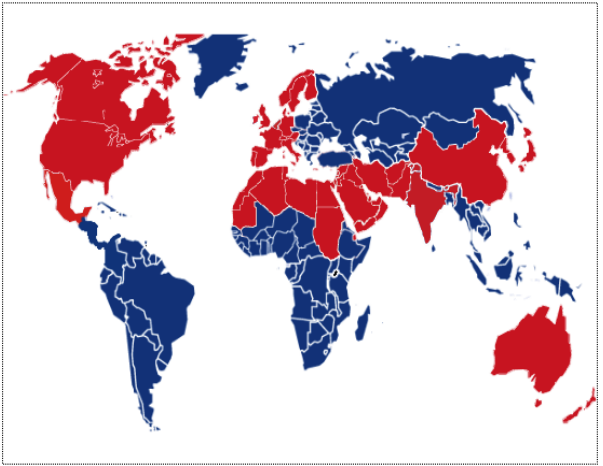
Carbon Footprint (7D??)



BIM - 3RD PARTY APPLICATIONS



bSS - and.....



bSi

IFC

**PUBLIC
AGENCIES**

SINGAPORE

**COUNTRIES
INTERESTED
IN BIM**

**PRIVATE
ENTITIES**



Thank You!

william@wlarch.com.sg