



INFRA
MODEL

2

Project overview

Juha Saarentaus
managing director
Centroid Ltd - Sito Group
16.3.2004

Inframodel 2 - a Finnish co-operation project

- To enhance the data exchange of design models between existing design systems
- According to SKOL (2002) the problems in data exchange include (SKOL = ~ association of the consulting companies)
 - limits possibilities in open competition between consultants
 - introduces extra costs for the planning phases of the projects
 - conversions with extra workload
 - loss of data → re-designing
 - demands coming from the construction phases
 - deliver more digital data into the construction projects
 - design during construction
- In 2003 Inframodel 1, a research project by VTT (VTT=Technical Research Centre of Finland)
 - prestudy in data exchange methods

Inframodel 2 - project goals

- Utilize internationally accepted standards and methods
 - main interest is LandXML
- Generate a method in accordance of the Finnish design principles to eliminate the data exchange problems
- Run a pilot of the method with the existing design systems in real projects
- Produce a plan how the method will be maintained and further developed
- The results of the project will be open to all parties

Inframodel 2 - Project funding

- A co-operation project according to the guidelines of Tekes (Tekes = National Technology Agency of Finland)
- Total budget 600.000 €
- Public sector funding n. 50%
 - Tekes
 - Finnra
 - Finnish Rail
 - Finnish Maritime Administration
- Other n. 50%
 - The association of the municipalities
 - Consulting companies
 - Construction operators

Inframodel 2 - Project team

CITYCAD



TEKLA

The Model that Works

ViaSys
Via Sys Oy



CENTROID
project coordinator

VTT
research subcontractor

Inframodel 2 - Time table

INFRAMODEL 2		2004												2005					
		4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	8	9	10
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Vaatimusmäärittely (IM1)																		
2	Määrittelyn tarkennus																		
3	Toiminnallinen määrittely																		
4	Suunnittelu ja toteutus																		
5	Pilotointi																		
6	Hyväksyminen																		
7	Ylläpito- ja jatkokehityssuunnitelma																		
	Johtoryhmäkokoukset	X		X			X			X			X		X		X		X

- total project time 18 months
- piloting in summer 2005
- negotiations of the financing are at the final stage (3/2004)



INFRA
MODEL

2

Co-operation project
to enhance the
data exchange
of design models
between existing
design systems