

# Government support for IFC compliant software development



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## Technology Programmes

- VERA - Information Networking in the Construction Process
  - ☑ a national technology programme for building industry funded by Tekes, Technology Development Centre Finland
- Technology programmes are means of creating new technological know-how through the cooperation of companies, research institutes and universities
- The programmes promote the technological development of a specific field of technology, industry or even of an individual company

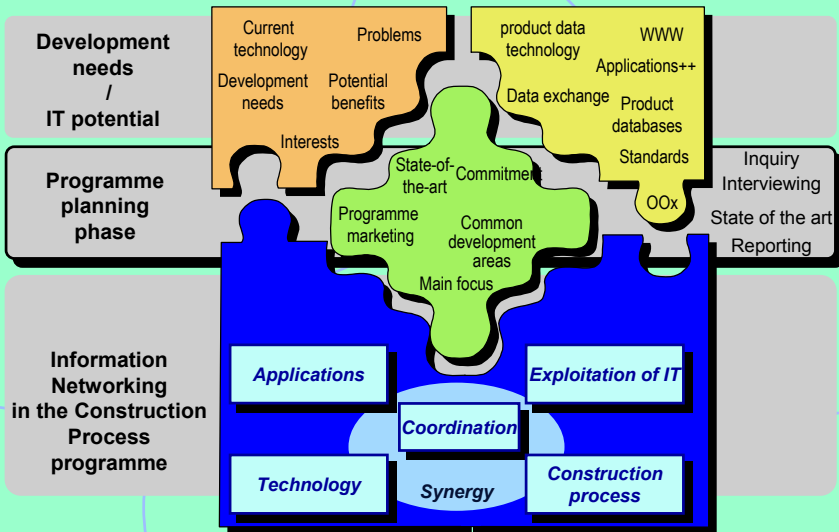


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# Programme preparation phase

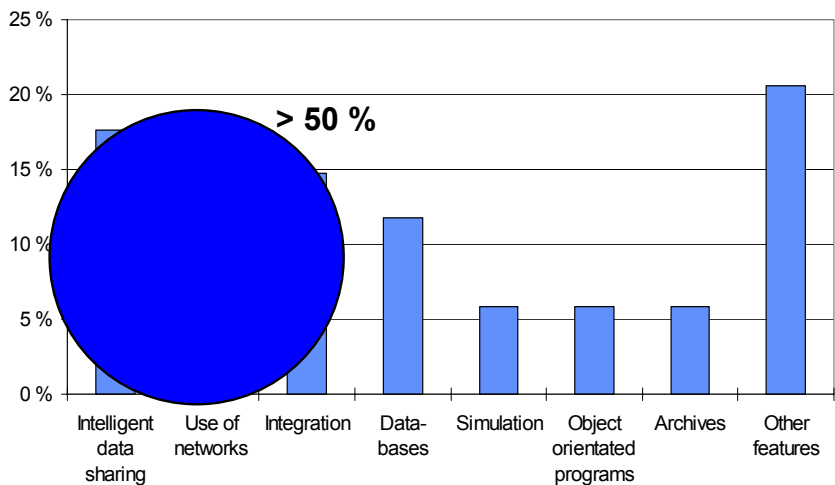


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# Unused features in current technology



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## Current problems

- The work is mainly done computer aided, but most of the information is still exchanged on paper
  - ☑ overlapping and non-value-adding work
  - ☑ friction
- Information is produced from own point of view
  - ☑ needs of other parties and phases of the process are missed
- The gap between the top users and average know-how is too large
  - ☑ benchmarking and education
- Implementation of the existing know-how is missing
  - ☑ from theory to tools



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## Vera programme

- Information Networking in the Construction Process
  - ☑ the programme was approved by Tekes (the national funding organisation) in May 1997
  - ☑ the target is to promote implementation and use of IT in the construction process as an enabling technology to re-engineer the construction process
- Schedule and volume
  - ☑ six years; 1997 - 2002
  - ☑ total budget is 34 million US\$
  - ☑ 40 % by Tekes (~14 million US\$)
  - ☑ 60 % by the construction industry (~20 million US\$)
- <http://www.vtt.fi/cic/vera/english.htm>

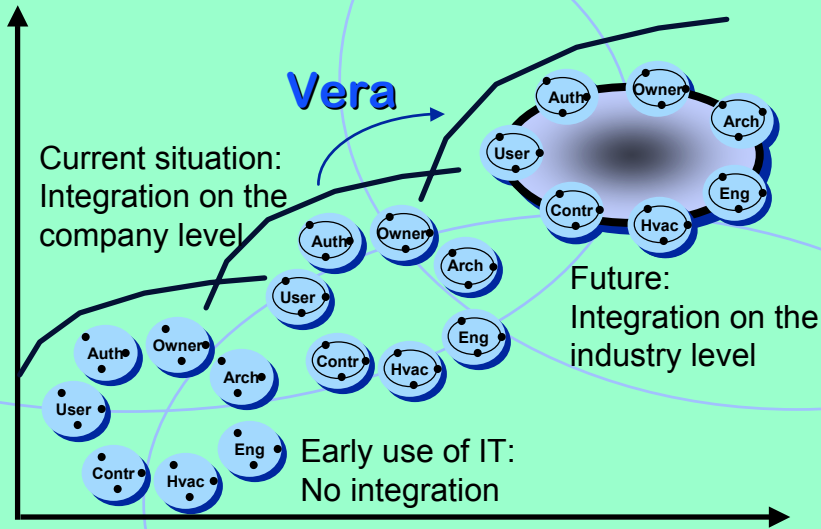


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# Integration steps

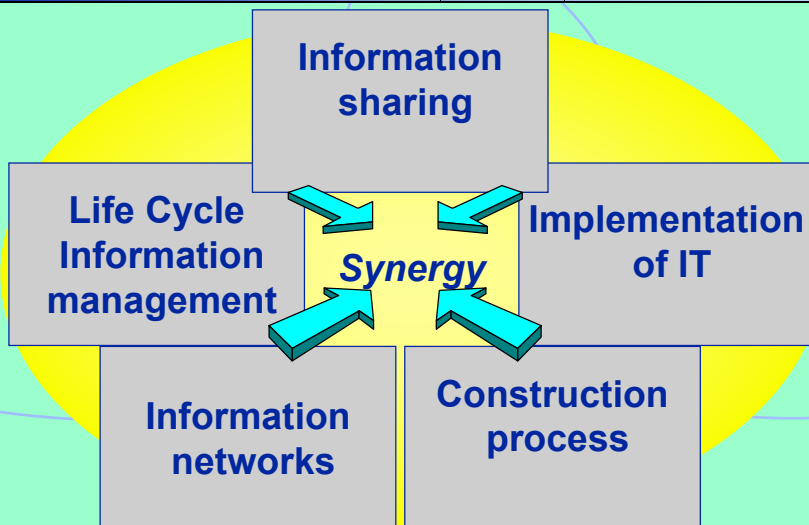


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# Synergy of components



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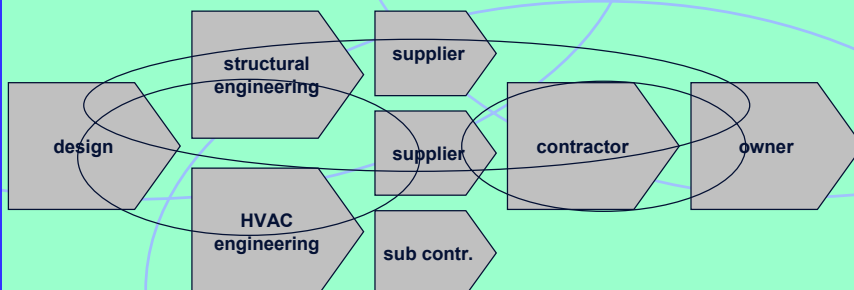
## Main areas of the programme

- Key issues:
  - ☑ efficient use of IT
  - ☑ efficient use of information networks
  - ☑ information management between participants
  - ☑ construction process development
  - ☑ information lifecycle
- Key people are the building owners and facility managers:
  - ☑ they will have the most benefits
  - ☑ they can set the requirements for the other partners
  - ☑ the “demanding client” concept



## Project principles

- to develop the construction process and IT solutions simultaneously
- to promote R&D in networks
  - ☑ projects which include several parts of the value adding chain in construction process



# Project situation

- Project types
  - ☑ 20 % by the research institutes and universities
  - ☑ 80% by the construction industry
  - ☑ international co-operation is seen as an advantage
- Connection to IFC
  - ☑ no support for the software development unless data sharing and networking are in the scope
  - ☑ all projects connected to the data sharing must use or support IFC
- Current situation
  - ☑ great interest - opening seminar was on October 2nd, more than 250 participants
  - ☑ over 20 projects have already started, 8 of those have a direct connection to IFC



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