



relatics

information

is yours

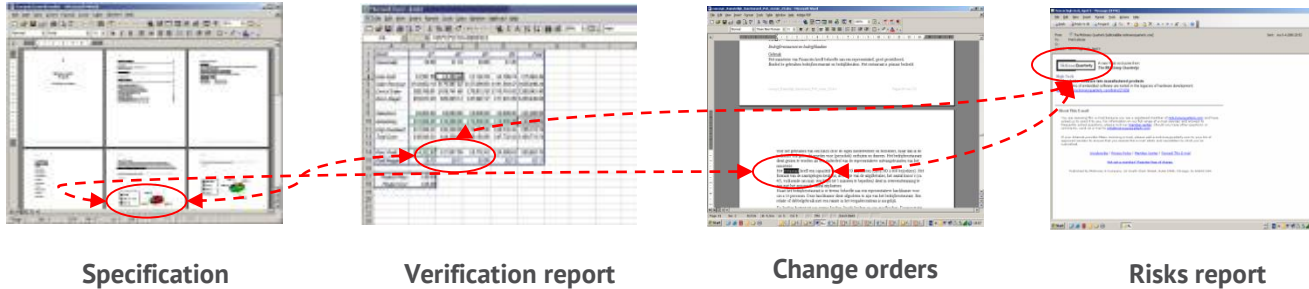
Company Profile

- **Founded in 2003, privately held company**
- **Growing fast (Financial Times sprinter award 2010-2014)**
- **Development and licensing of our software Relatics**
- **Support & Hosting, Training & Consultancy**
- **180 customers for 1000+ projects (total value 50 bln)**



Motivation

“The problem: unstructured information”



Disadvantages

- Contradictions
- Redundancy
- Inaccessible
- Uncontrollable

Consequences

- Longer turnaround
- Unnecessary costs for search (5 hours per week)
- Failure costs

Explanation for unstructured information

“The capturing of unstructured information follows a natural way of working”

Explanation

- Immediate use
- Flexible and to easily fit
- Manageable, "data in your hands"
- Easy
- Collaboration

Result

- Immediate acceptance, doesn't create resistance.
- Effective implementation of ad hoc needs.



Relatics

A web based platform to store, manage and retrieve project information unambiguously and consistently

Flexible

Adapts to your information needs

Transparent

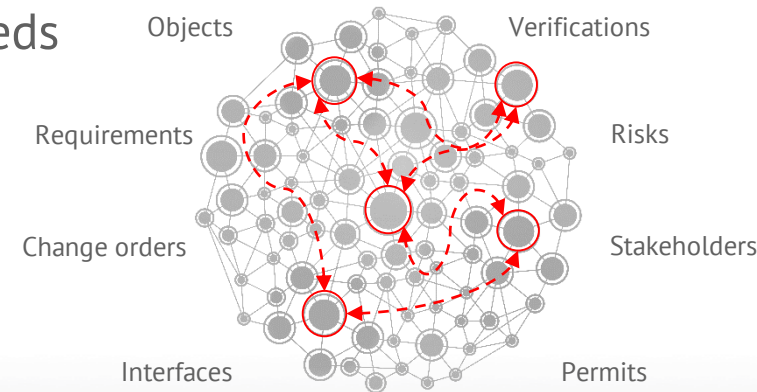
All data in your hands

Simple

No-frills; simple & intuitive

Collaboration


Beyond organization limits



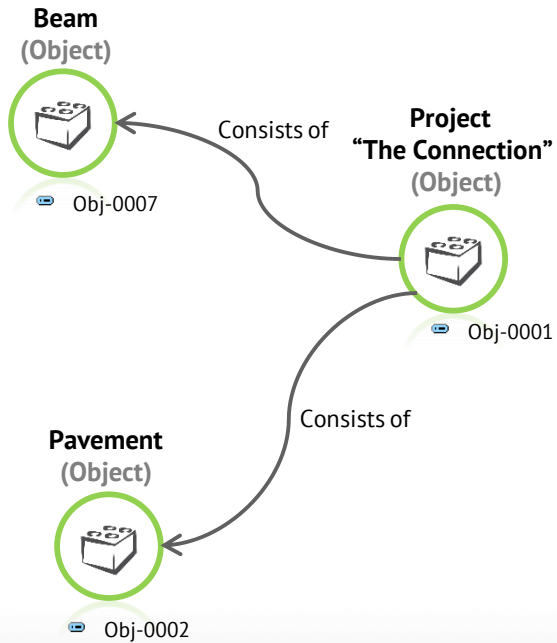
Project model

Project
“The Connection”
(Object)

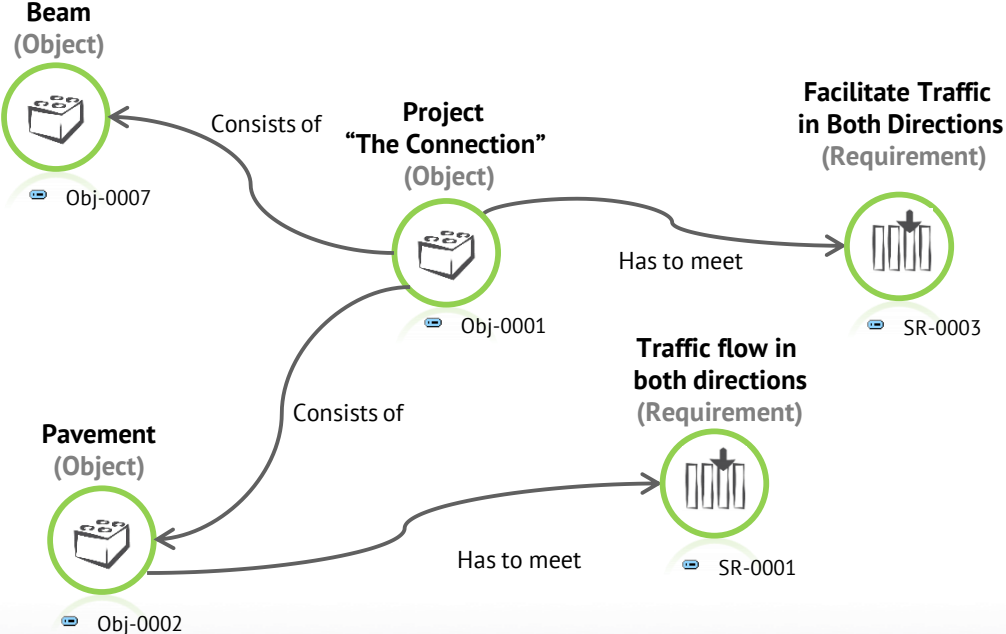


 Obj-0001

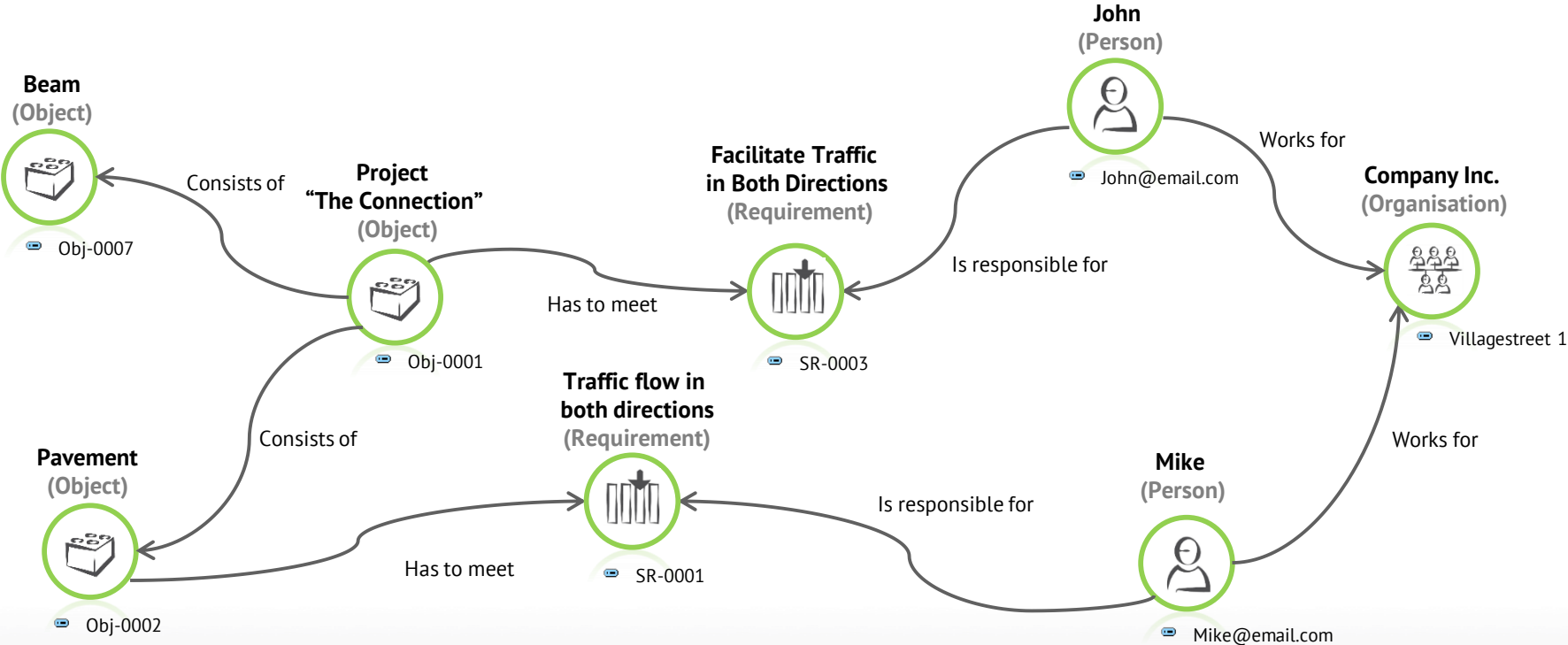
Project model



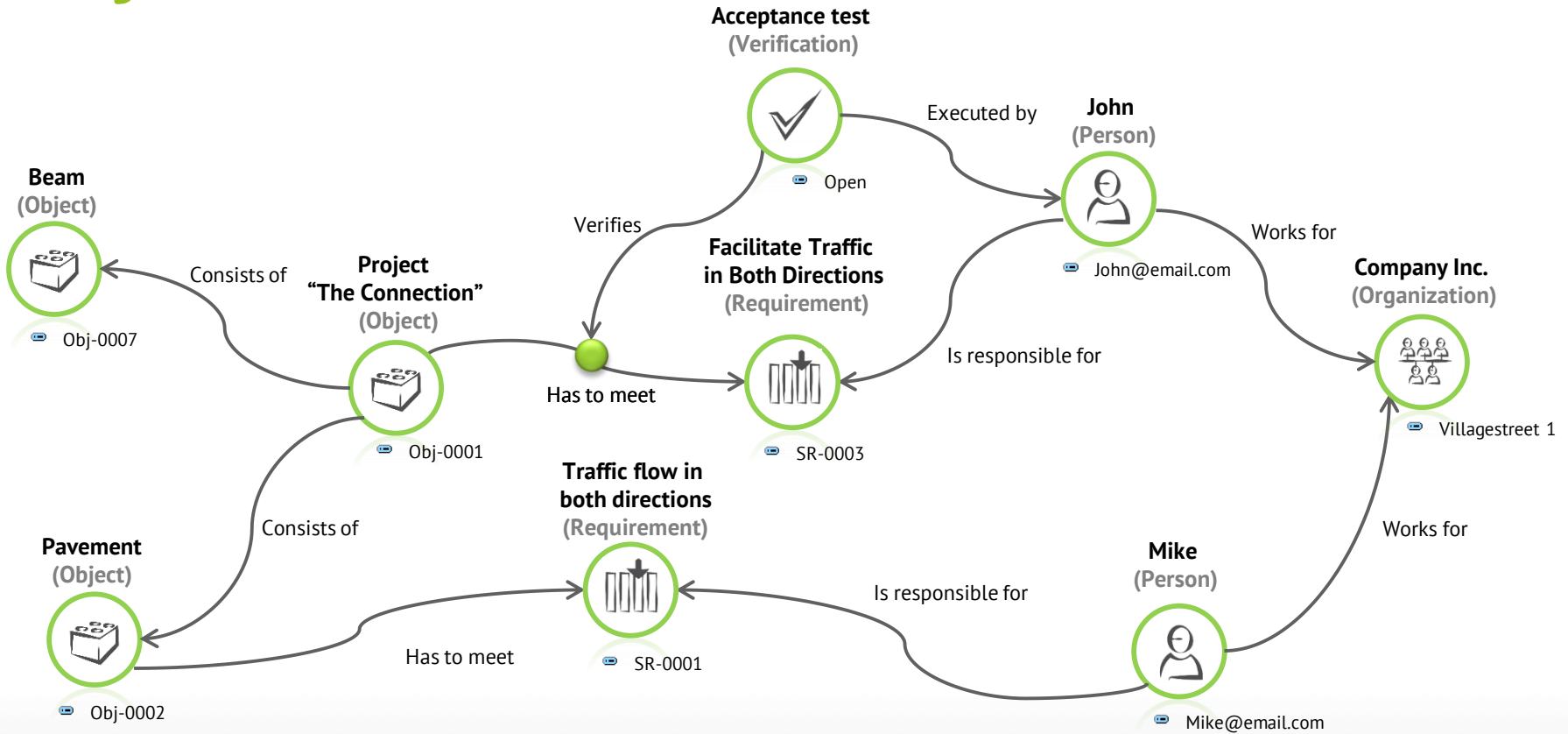
Project model



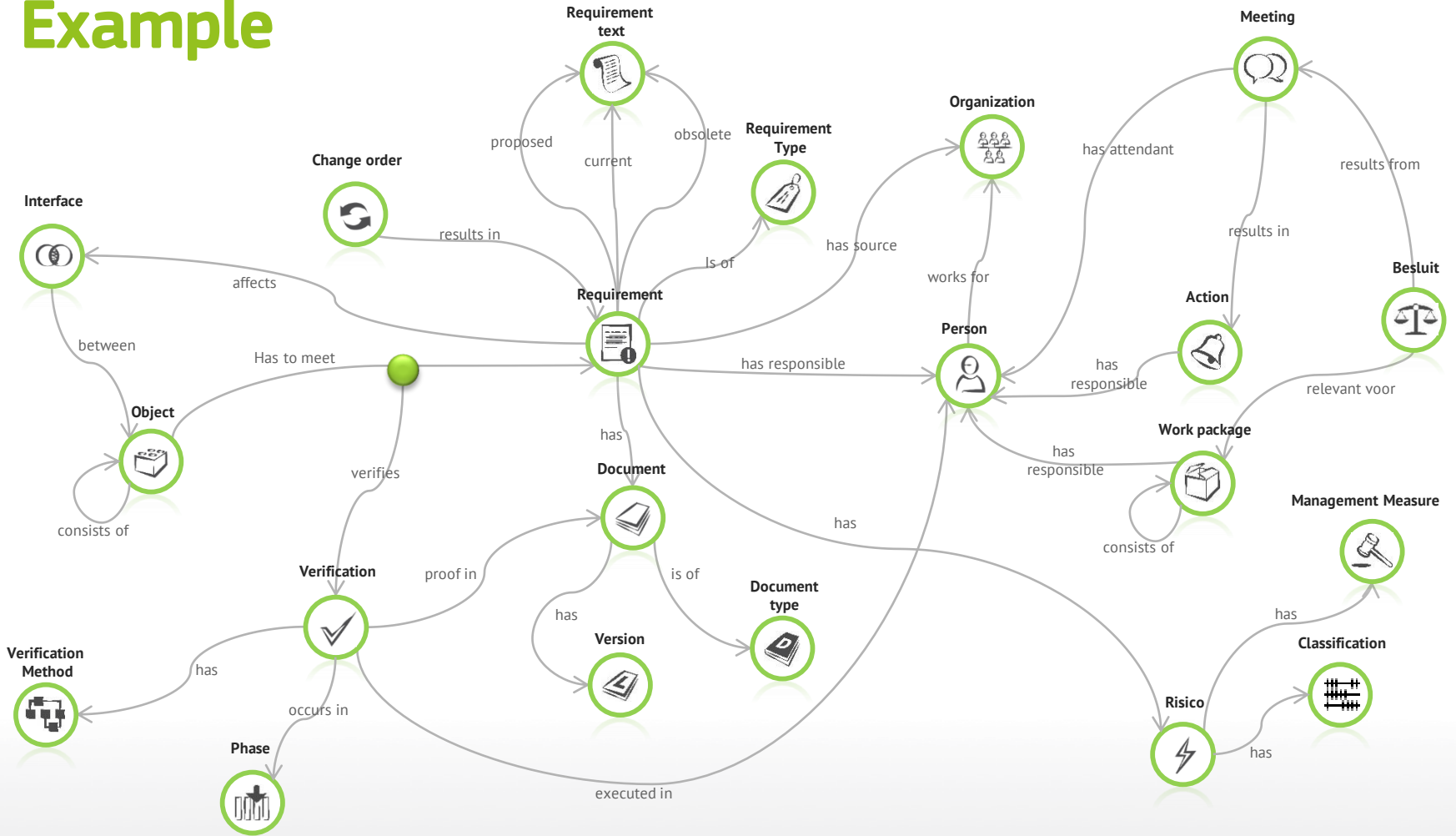
Project model



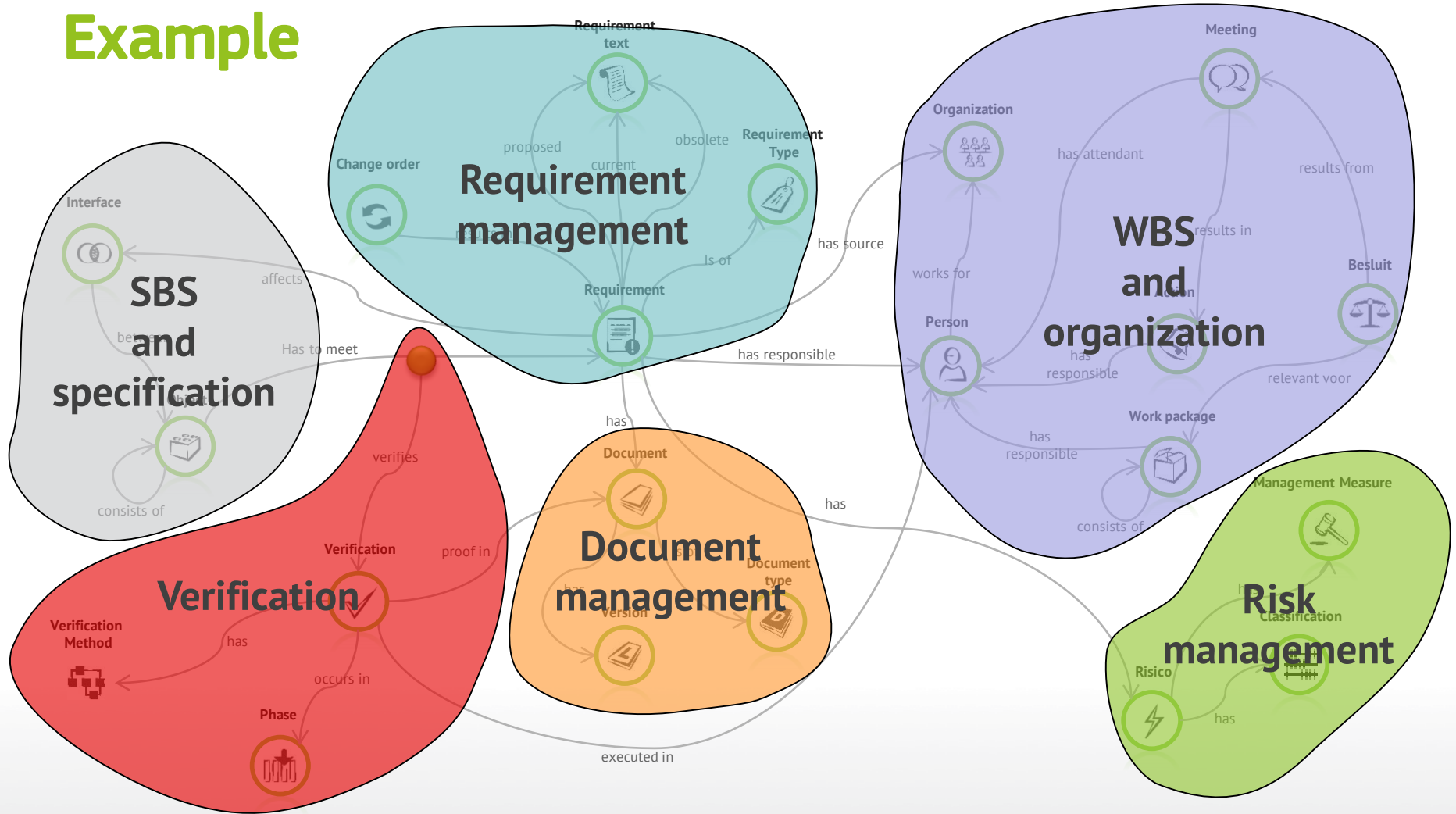
Project model



Example



Example



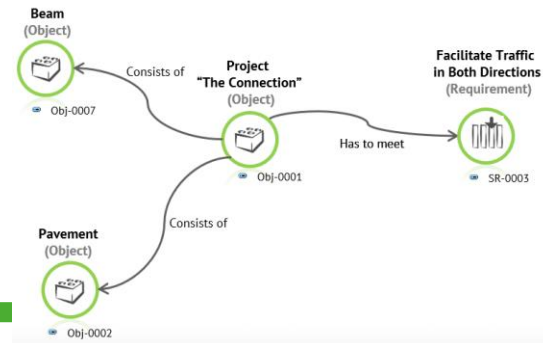
Screenshots



- Functions
- Objects
- Requirements

- Interfaces
- Verifications
- Work Packages

- Documents
- Persons
- Organizations



Project: The Connection

Objects

System Breakdown Structure (SBS)

Object List

Checks

System Breakdown Structure (SBS)

- Project 'The Connection'
 - Beam
 - Bridge Seat
 - Prefab Footing
 - Rails
 - Retaining wall
 - Pavement
 - Asphalt
 - Groundwork
 - Guard rail
 - Marking
 - Public Lighting
 - Cabling
 - Street light

Object

General

Verification Plan

Verification Report

General

ID	Obj-0001
Name	Project 'The Connection'
Description	
Link	https://presentaties.relaticsonline.com/3bac467a-62ea-e411-93fb-000af753dd5b/ShowObject.aspx?Key=08f1f06d-0f35-e411-93f4-000af753dd5b

Is parent of an Object

ID	Name
Obj-0002	Pavement
Obj-0007	Beam
Obj-0012	Public Lighting

Displaying items 1 to 3 of 3

Is child of an Object

ID	Name

Must satisfy Requirements

ID	External Code	Title	Text	Status
Req-0001	1	Facilitate traffic, top requirement	The connection must facilitate the movement of both motorist as bicycles.	Current
Req-0016	1.1.6.1.1	Street light, lux	Street lighting must light the road with an average value of 1CD/m2.	Current
Req-0031	2.1	Crossing of traffic, conflict free	Traffic must be able to cross the river without inhibiting other modes of transportation.	Current
Req-0032	2.2	Crossing of traffic, functionality	The functionality of the waterway must remain intact under any circumstance.	Current
Req-0036	2.3	Crossing of fauna, preserving	The connection must be constructed in such a way that the ecological routes are maintained.	Current

Displaying items 1 to 5 of 5

Is designed for the following Functions

ID	Name

Is the first object in Interface

ID	Name

Is the second object in Interface

ID	Name



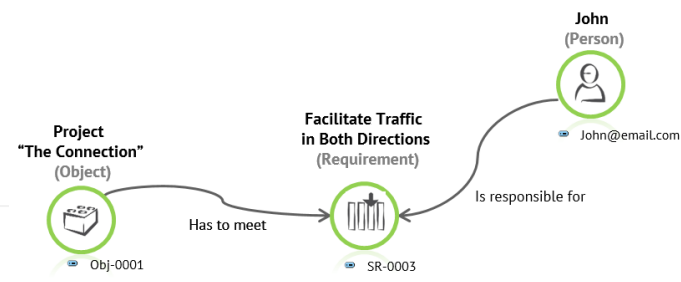
Screenshots



- Functions
- Objects
- Requirements

- Interfaces
- Verifications
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Project: The Connection

Requirements

- Requirement Breakdown Structure (RBS)
- Requirement List
- Checks

Requirement Breakdown Structure (RBS)

- 1 - Facilitate traffic, top requirement
 - 1.1 - Guiding, general
 - 1.2 - Carry load, general
 - 1.4 - Connect, general
 - 1.4.1 - Connet, tubing for cables
 - 1.5 - Protect traffic, general
- 2 - Crossing of traffic through environment, top requirement
 - 2.1 - Crossing of traffic, conflict free
 - 2.2 - Crossing of traffic, functionality
 - 2.2.1 - Crossing of traffic, ship canal
 - 2.2.2 - Crossing of traffic, canal dimensions
 - 2.2.3 - Crossing of traffic, height
 - 2.3 - Crossing of fauna, preserving
 - 2.3.1 - Connecting Fauna, General
 - 2.3.2 - Connecting Fauna, external connection
- 3 - Externe raakvlakeisen, algemeen
 - 3.1 - Connecting, roadconstruction
 - 3.2 - Connecting, shoulder safety
- 4 - Availability, operating life
 - 4.1 - Availability, operating life non-replaceable construction
 - 4.2 - Availability, operating life replaceable construction
- 5 - Design, finishing
 - 5.1 - Design, finishing concrete
 - 5.2 - Design, coating concrete
 - 5.3 - Design, finishing steel
- 1.01 - Interface Requirement Beam - Road Construction

Requirement

- General
- Requirement Text
- Verification Plan
- Verification Report

General

ID	Req-0001
External Code	1
Title	Facilitate traffic, top requirement
Requirement Type	Aspect
Status	Current
Responsible Person	John
Present Text	The connection must facilitate the movement of both motorist as bicycles.

Is parent of a Requirement

ID	Title
Req-0002	Guiding, general
Req-0018	Carry load, general
Req-0025	Connect, general
Req-0027	Protect traffic, general

Is child of a Requirement

ID	Title

Displaying items 1 to 4 of 4

Is requirement for an Object

ID	Name
Obj-0001	Project 'The Connection'
Obj-0002	Pavement
Obj-0003	Groundwork
Obj-0007	Beam

Displaying items 1 to 4 of 4

Has initiating Organization

Name

Has source Document

ID	Title	Reference



Software features

Category	Feature	Benefit
Communication	Web based	Accessible everywhere, collaborative support
	Multi-user	Advanced user management for differentiation of permissions and roles
	RSS	Data accessible using relevant RSS feeds
Visualization	User interface	Uniform information presentation in standard tables, trees, HTML and charts
	Theming	Look & feel easy adjustable to suit e.g. your company style
	Search	Easy access using semantic drill down, parameter based queries, etc.
Data	Report module	Generation of PDF, RTF, HTML, Excel, Visio reports
	XML data storage & exchange	Data archiving in a neutral format
	Excel/CSV/XML import-export	Reading bulk data from other systems
	History mgt & Base lining	Make comparable snapshots of data and scroll back in time to track changes
Mobile	Tablet and phone	Access and update project information on any platform
Integration	Web services & API	Open interface to integrate with 3rd party applications (Sharepoint, Primavera)
Calculation	Formula parser	Calculate derived information



Implementation

- 1. Model** Define processes and information needs
- 2. Configure** Configure project environment
- 3. Initialize** Create base data and import data
- 4. Use** Kick off and adjust where needed



Advantages

- Reduce lead time
- More control, less mistakes
- Increase quality and compliance





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information
IS yours

 Europe

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References

Corporations

- Audi
- Siemens
- Arcadis
- Volker Wessels
- Balfour Beatty
- Royal Haskoning DHV
- BAM
- Ballast Nedam
- ABB

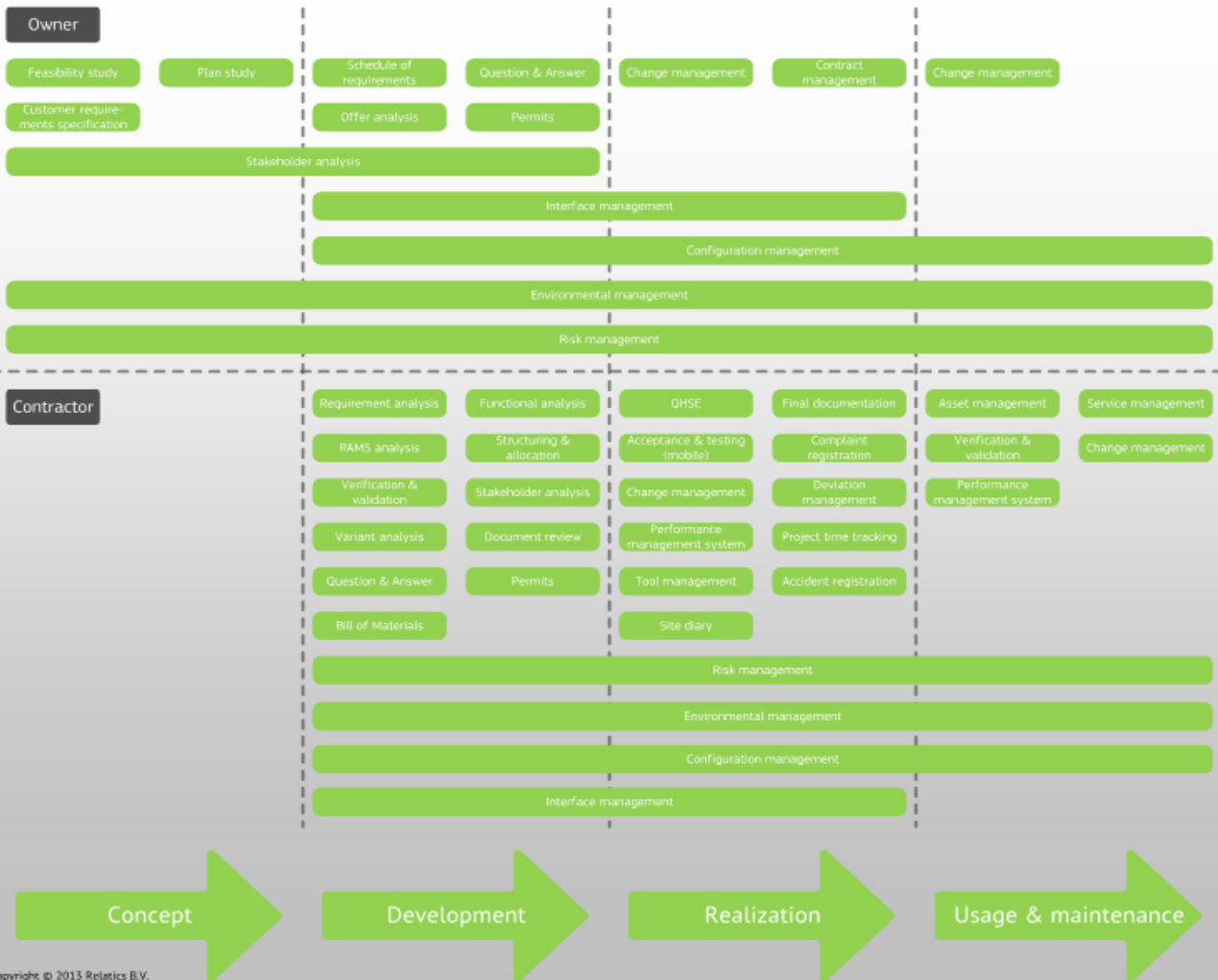
Government

- Dutch Ministry of Infrastructure
- Dutch Ministry of Internal affairs
- City of Amsterdam
- Port of Rotterdam
- City of Leiden
- Province of South-Holland
- Prorail
- Province of Limburg

Projects

- **Gotthard Tunnel, Switzerland**
- **Maasvlakte 2, Expansion of the Port of Rotterdam, The Netherlands**
- **2nd Coentunnel, The Netherlands**
- **Fehmarn Tunnel, Germany & Denmark**
- **Westerschelde Tunnel, The Netherlands**

Example use cases in Relatics



Technical interfaces

- Document management systems
- Planning
- Outlook connector
- Google Maps
- VISI
- COINS
- BIM/3D (Civil 3D, Revit)
- Owner/contractor interfaces

Lifecycle independent add-ons

- Group Decision Room
- Meetings & minutes
- Task manager
- Who is who?
- Notes & memos
- Issues
- Decision log

Cross-project applications

- Knowledge management
- Competency management
- Purchasing contract management
- Manuals management
- Object libraries
- Document management
- Document control



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