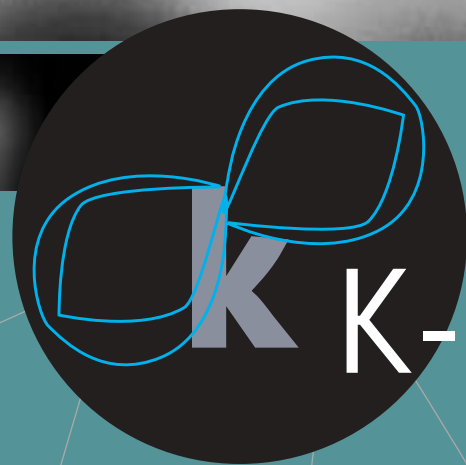
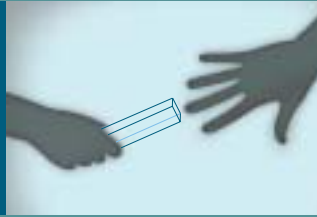


add meaning to your data



K-Infinity

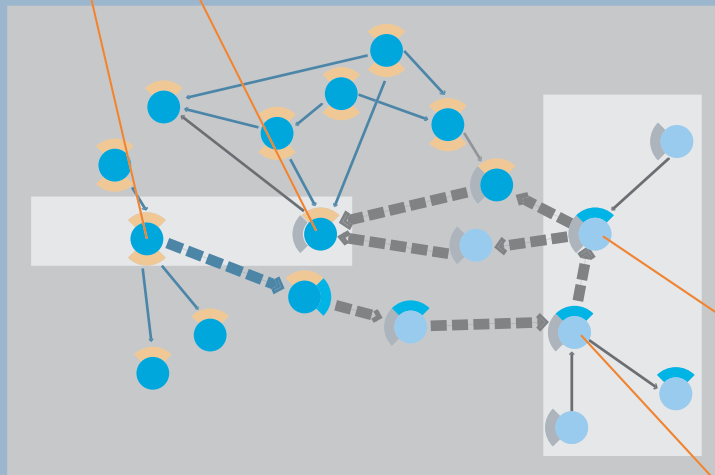


Knowledge networks make sense of your information

USER



KNOWLEDGE NETWORKS

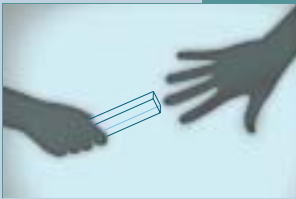


EXTERNAL SYSTEMS



ation

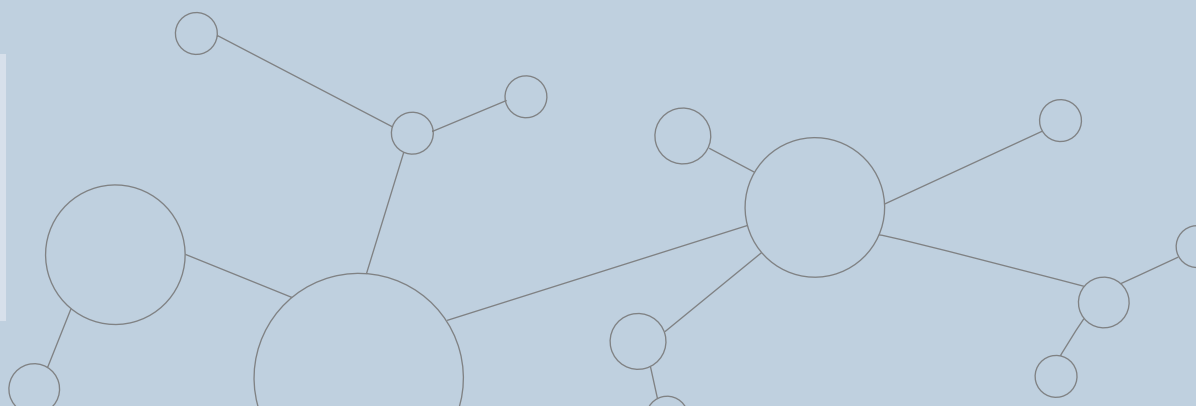
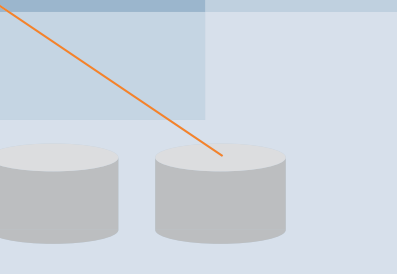
add meaning to your data



Do you need to get to grips with information overload and data chaos in your organisation?

K-Infinity is a software suite with which you can develop a corporate memory by building up and deploying a knowledge network; knowledge that all employees can access. Get to know technology that understands your business, your data and your people and will contribute to the success, acceptance and usefulness of your enterprise portal. Add meaning to your data with a knowledge network.

You can put a knowledge network to the test at www.i-views.de.



Knowledge networks - interconnecting vital information

USER

The screenshot shows the Universal Consulting website interface. At the top, there is a navigation menu with categories: Marketing, Presales, Customers, Projects, Topics, and Organisation chart. The main content area displays search results for the topic "VoiceXML car industry", indicating that 7 objects were found. The results are categorized into Persons, Projects, and Documents.

Search results for the topic "VoiceXML car industry"
7 objects found

Persons:

- DPS-Project project leader: Sally Smith (e-mail)
- Subproject 2 project leader: Mark Mills (e-mail)

Projects:

- DPS Project description: Architecture**
Advanced in-car technologies, such as phones, entertainment systems or navigation systems, have the potential to improve driving comfort, efficiency and safety. However, they usually require drivers to operate visual displays and manual controls while the vehicle is moving, leading to long eyes-off-the-road times, and compromising driving safety. Interfaces which allow systems to be operated by speech have a number of likely advantages, including improved safety, and increased system accessibility and acceptability. [more](#)
- DPS project description: procedure**
HUBAT is leading a consortium of industrial partners including DERA, MIRA, Alpine, Jaguar, Sunninghill Systems, Orange, and the RAC, in investigating the use of speech interfaces for in-car systems. The project is reviewing the human factors of interactive speech technology in cars, and producing documentation to support its design. VoiceXML is being investigated as a potential key technology. The feasibility and success of speech interaction is then being tested by comparing speech control for a set of real in-car applications against standard manual control. The research is also addressing the challenge arising from high levels of environmental noise. [more](#)

Documents:

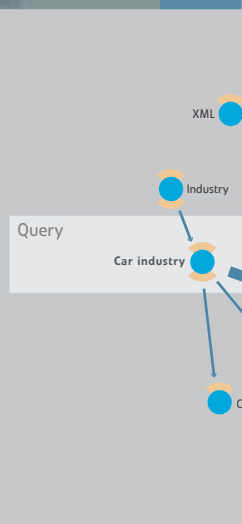
Type	Title	Author	modified/action
Document	XML Specification Requirements for DPS Version 2.0 The Specification of the Reporting Language initiative	Ben Larren	2001/06/14 20:17
Document	The fast track for e-commerce developers: XML-Design Guide Development Dokumentation...	Michael Holm	2001/10/09 14:00
Document	presentation: The most heavily attended sessions focused on XML as a datatransport mechanism in ...	Ute Matthäus	2002/01/14 21:10

On the right side of the search results, there are several floating windows or panels:

- Further Information - DPS**: Universal Motors Inc XML, Ben Ward, Dr. Frank Wilson
- Topics**: DTMF, Telephony applications, W3C Draft Recommendation
- DPS - P roject**: Project management system, Resource management
- Press**: Global Automobiles planning multilingual navigation system

At the bottom left, there is a search sidebar with a search profile, filters for Offer, Document, Projects, and Experts, a search input field containing "VoiceXML car industry", and an "Advanced search" section.

KNOWLEDGE NETWORKS



n

Deploying the knowledge network

You need to find a colleague with specific expertise to work on a tender for a potential customer from the car industry. The colleague should have knowledge of VoiceXML and experience of the car industry.

The knowledge network is in a position to "draw conclusions", in other words to understand that project members know about the technology employed in their projects.

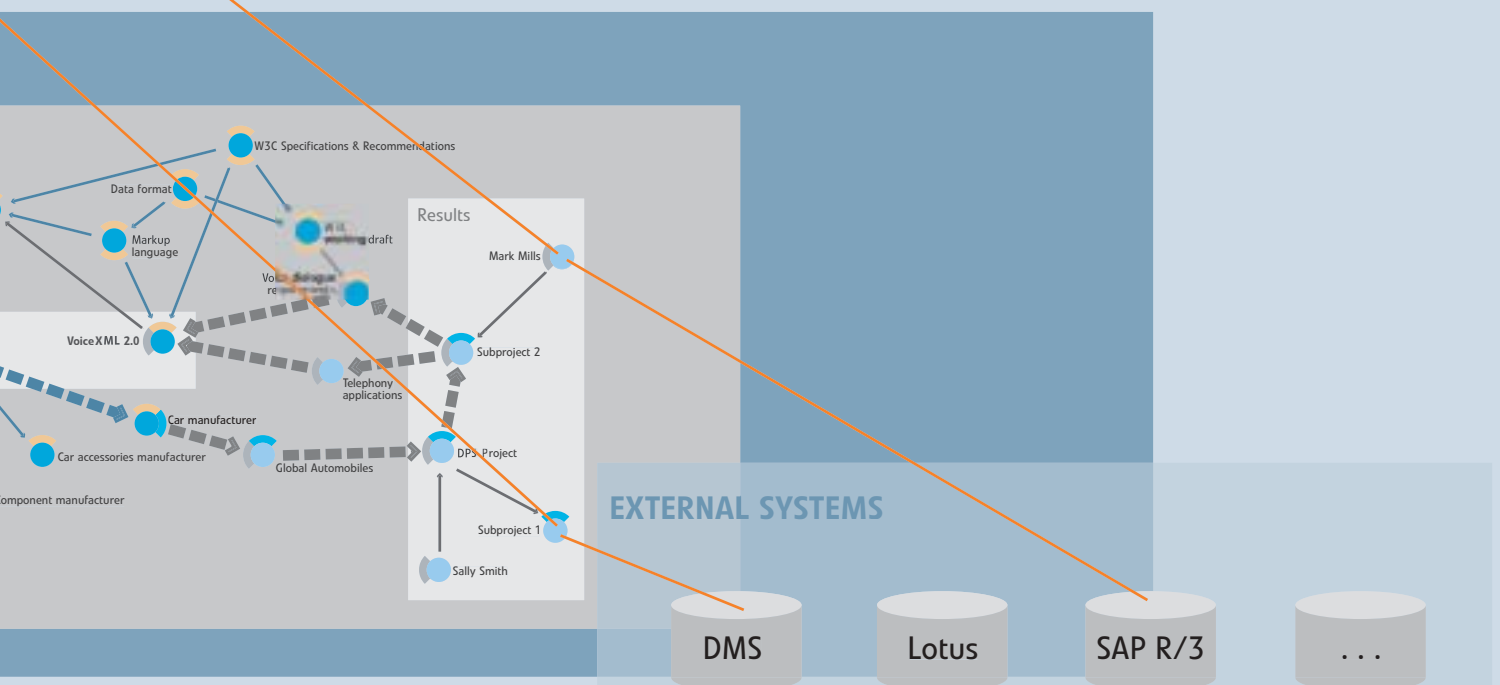
In this way a knowledge network can suggest the project leader of the "Dialogue Pilot System" (DPS) project, even if VoiceXML is not directly assigned to him as a qualification in the skills database.

A knowledge network is also aware that "Global Automobiles Inc.", who commissioned the DPS project, is part of the car components industry since it is a supplier of electronic components and is therefore closely linked to the car industry.

A knowledge network can make additional relevant information available by intelligent interlinking of concepts.

How much time do you usually spend looking for a suitable person for a task?

Or do you even buy in external experts, even though this might not be necessary?



Networked companies have added value

Technical capability

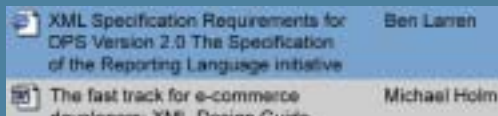
Interconnecting content

Every topic has its own relevant background information - in this way the sales department learns of a similar project which one of your customer's competitors is currently carrying out - information which a salesperson would never have been able to find, because it wouldn't have occurred to him to look for it.



Multilinguality and synonyms

Why shouldn't a search in English also be able to return texts in other languages? Links in a knowledge network are valid facts regardless of the language in which they were expressed - in this way a knowledge network forms a bridge between various languages.

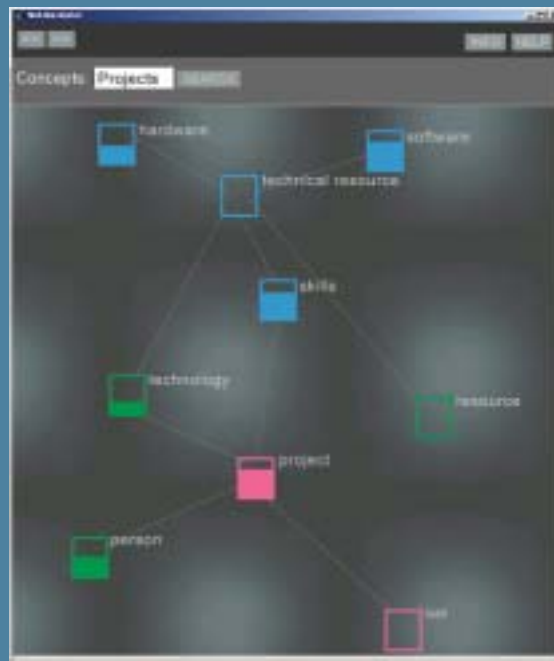


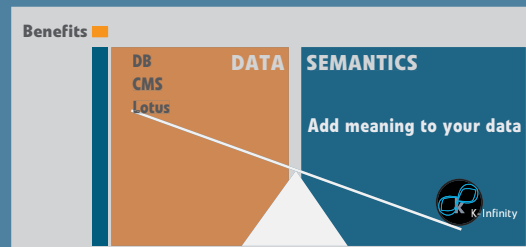
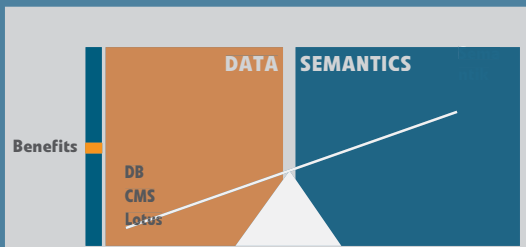
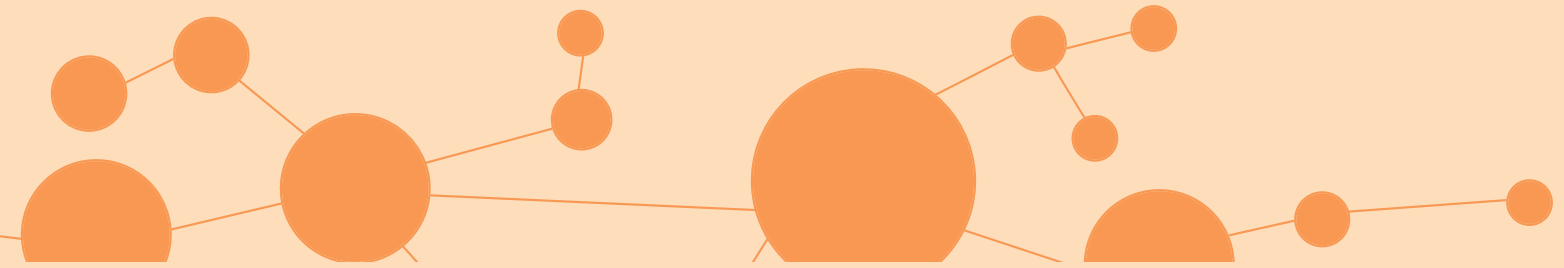
Company-internal terminology is often different to that outside, for instance in the relevant DIN or ISO standards. Even different departments within a company sometimes have different naming conventions, but this doesn't present a problem to a knowledge network. It can

handle an arbitrary number of synonyms designating one concept and can find the same relevant information for every synonym.

Interactive knowledge exploration

It is precisely when users are working in a relatively unfamiliar field that they need the most help. The Net-Navigator enables them to navigate their way through a field of knowledge and see directly how topics in their organisation are connected with one another. They can follow their own associations in a search and are not confined to rigid predefined structures.





Business benefits

Creating something new

With a knowledge network you can create something new: intelligent interconnection of facts complemented by graphical knowledge exploration and semantic search facilities.

Improving existing resources

Do you already use a document management or content management system to manage your information, or alternatively use Lotus Notes or another database? Then you have already done the major work and can multiply the benefits of your investment with relatively little additional effort.

Retaining independence

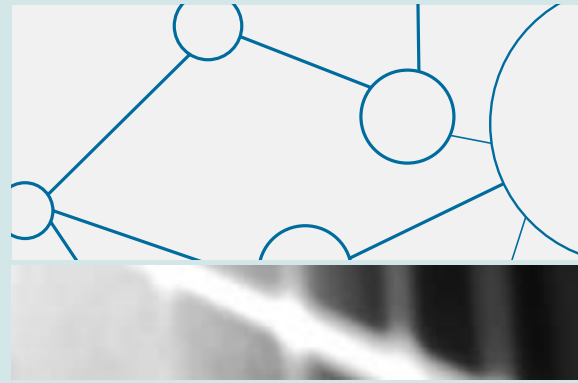
Your employees will become expert users of knowledge network technology and you become independent of us.

Cost savings

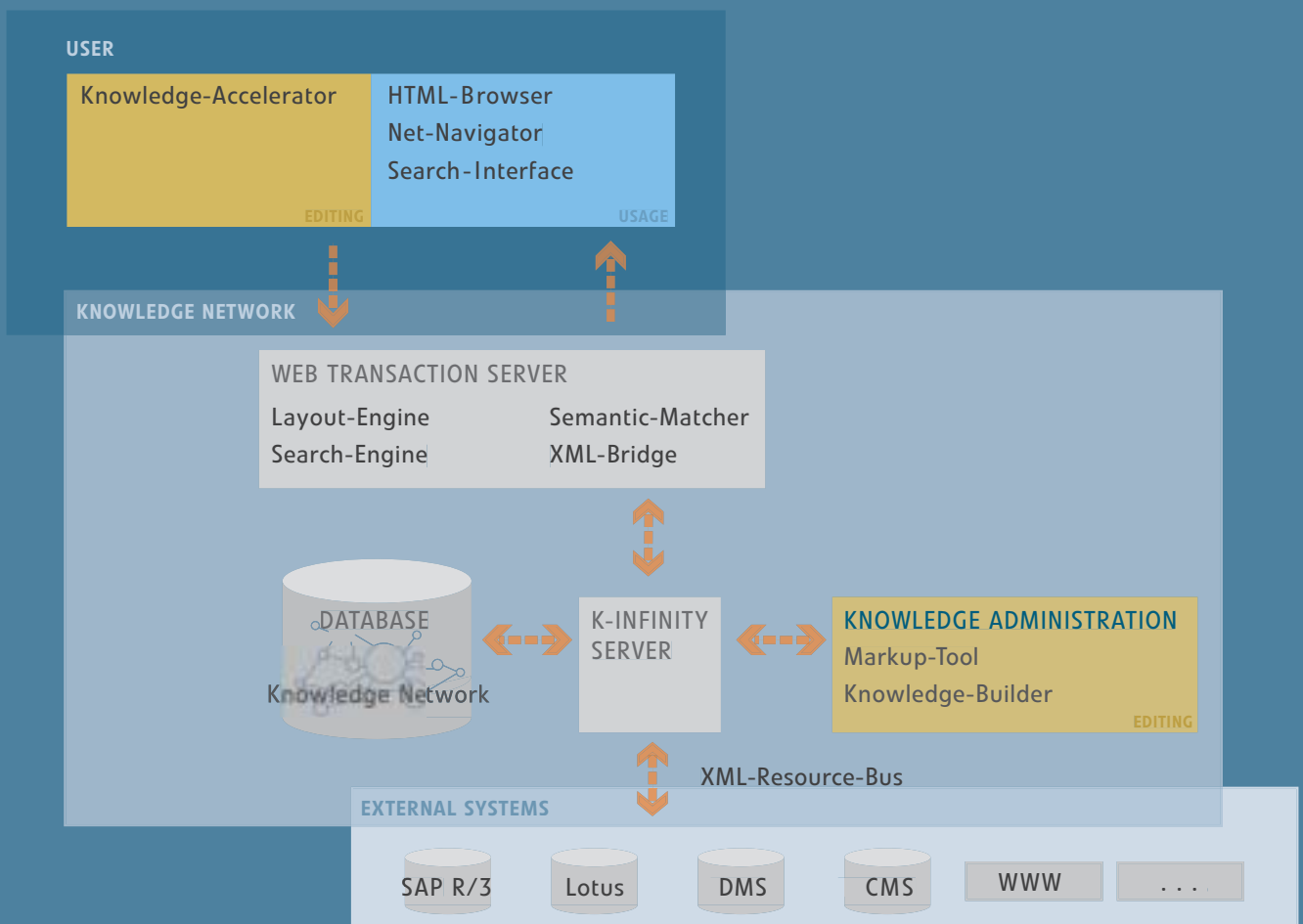
- Up to 80% savings in project realisation
- Up to 50% savings in maintenance and extension
- Domain experts maintain the knowledge base, not IT experts

Time advantages

- Up to 50% faster time to market
- Quality improvements on the basis of fast and appropriate information
- Quicker decisions based on informed access



K-Infinity Product Suite

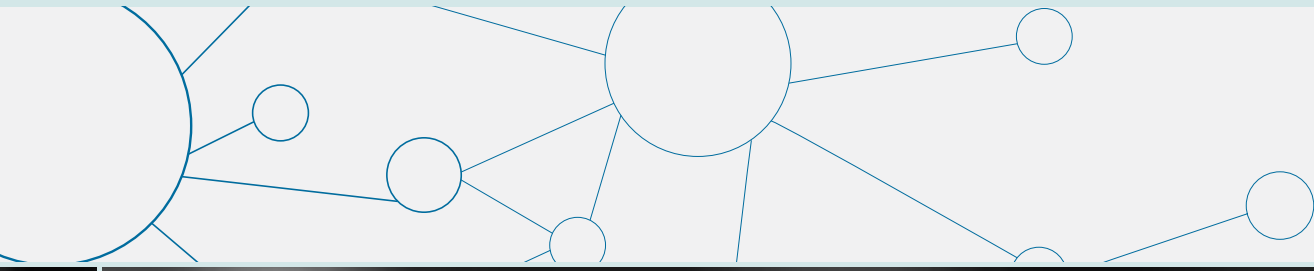


The result of 100 person years' development work

Visualisation /graphical navigation

Decentralised knowledge acquisition
and granting of access permissions

Semantic engine (schema definition,
consistency checking, inference)



Core functionality of K-Infinity

The core functionality of K-Infinity is the interconnection of knowledge in a knowledge network which forms the basis for intelligent knowledge management. The K-Infinity components enable you to build, maintain and use a knowledge network.

Server

K-Infinity's server tools take care of data storage and enable distributed multi-user access to the knowledge network. They offer functionality such as semantic search (Semantic-Search-Engine, Semantic-Matcher) or full text search. The layout engine dynamically presents the results of a knowledge network query in an effective and attractive format. The server provides interfaces to external systems.

Usage

The complete knowledge base can be made available to users in the HTML browser so that not only people in your company but also external partners can navigate, browse, search and find knowledge.

Editing

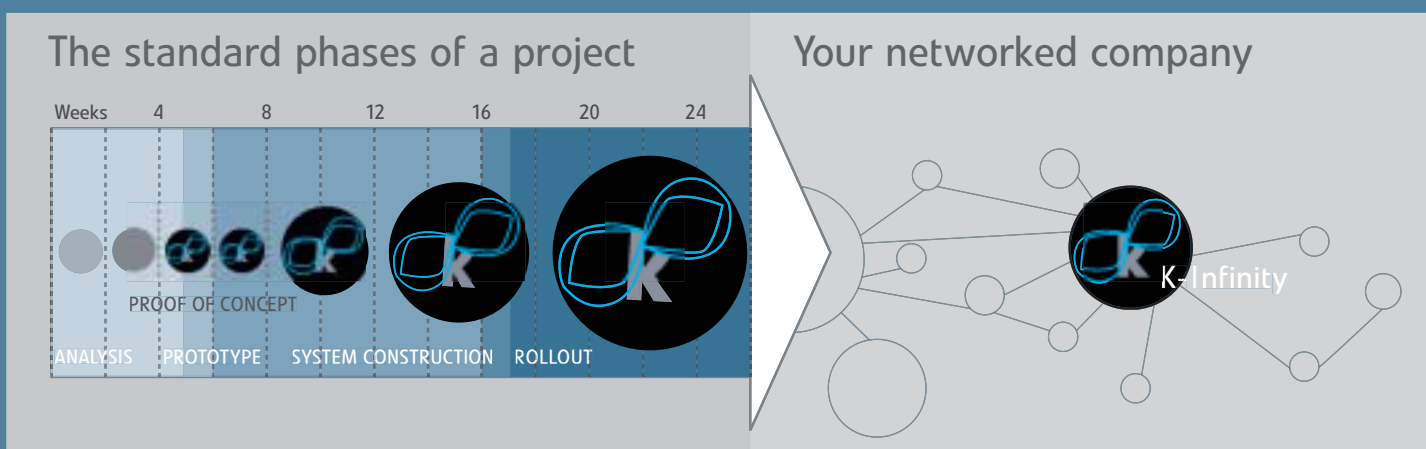
K-Infinity comprises centralised and browser-based tools for the building and maintenance of knowledge networks. The Knowledge-Builder is the key tool for your domain experts who are given the task of modelling and maintaining the knowledge base (knowledge administrators). Knowledge elements are interconnected in the Knowledge-Builder and the schema of the knowledge base is defined. Domain experts gain a comprehensive view of the knowledge base through the use of intuitive graphical tools.

The Markup-Tool serves to thematically link documents with the knowledge network.

The Knowledge-Accelerator allows all employees with appropriate access permissions to add information using a browser front end.



Use knowledge networks - gain a new perspective



Do these questions apply to you?

Who wrote or did what, when and where? Which products and projects are related? Have offers been made or agreements reached and who are the employees responsible?

If they do, then you should talk to us and see that K-Infinity is the solution for you.

Create a knowledge network for your company with the help of intuitive tools and give yourself the edge over your competitors through fast and effective representation and storage of information. Avoid duplication of effort by the deployment of a knowledge network.

Build your knowledge network step by step without excessive personnel requirements. Existing data sources can be integrated easily and existing portals can be extended without problems.

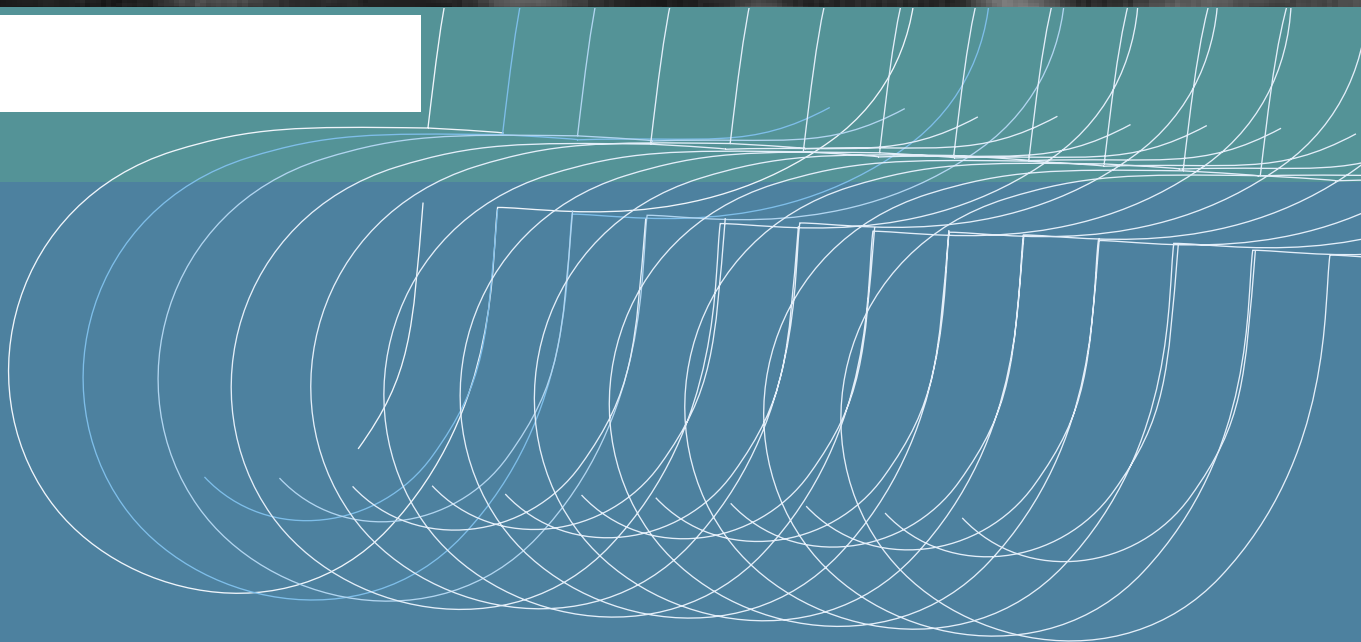
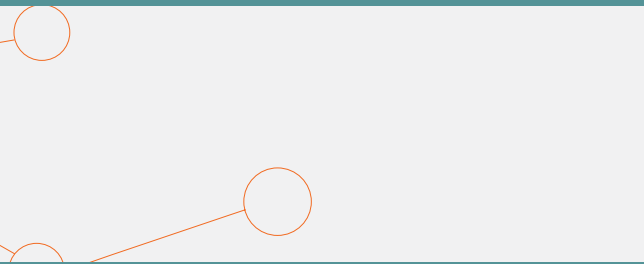
You may, for instance, wish to look at documentation for a new project. The following questions arise:

Which projects have already been completed in this area or similar areas? Which technologies and products were used? Who worked on the projects and who were the customers?

In the next phase it may be useful to gather data on colleagues' skills or to collect competitor information. It may also be useful to add information from the sales department or the help desk.

Whatever information you want to make available to your employees should not be restricted by your choice of software.

Gain new perspectives with K-Infinity, because your enterprise can only act as an effective whole when enterprise knowledge is interconnected.



Take advantage of our project experience when implementing your own project plans.

We have developed standards which ensure you optimum support from us.

Analysis

After detailed analysis of the state of your existing data, we develop the concept and a working basis for your knowledge network according to your specific requirements. This is done through workshops in close collaboration with you.

This working prototype is available to you after about 4-8 weeks.

Proof of concept

The knowledge model can now be tested exhaustively by you. You can check its coverage with application examples and queries. The portal layout and therefore the presentation of knowledge for the end-user is tailored to your needs in this phase.

System construction and rollout

The results of your tests are taken into consideration and the knowledge network is extended with our tools.

Employees who have the appropriate access permissions will in future be able to add information to the portal. You decide after consultation with us on the final configuration of the portal and as a final step we connect your external data sources to the network.

After 2-4 months you have a complete working system in your company.

Extensions to other domains can be realised at any time and without excessive effort.



intelligent views gmbh

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