

SemTalk®

SemTalk

Semtation GmbH

SemTalk is for...

- Times when Excel and PowerPoint are not sufficient to meet Business Process Modeling needs,
- Projects where Visio has reached its limits,
- Organizations who would like to create understandable and accepted process models, and for
- Everyone who finds other tools too complicated, not flexible enough or too expensive

Overview

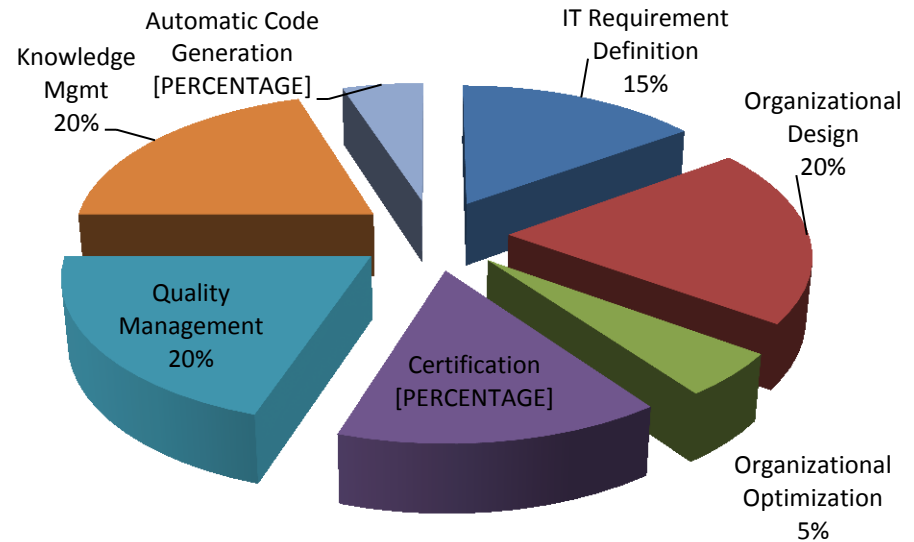


- Success Factors in Business Process Modeling
- SemTalk – Functionality and Benefits
- Technical Description
- Special Considerations
- Semtation Company Profile

Process Modeling Scenarios



- Definition of IT requirements
- Organizational Design
- Organizational Optimization/ Simulation
- Certification
- Quality Management
- Knowledge Management
- Automatic Generation of Process Execution Code



Source: Estimates from Sementation GmbH 2012

Integration Requirements for Different Application Scenarios



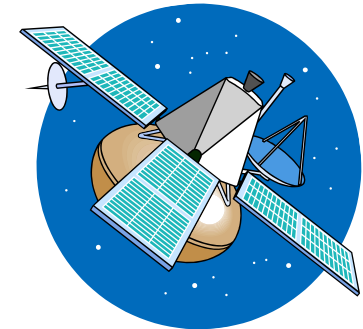
Reusable Models

- Certification
- Organizational Design
- IT Requirement Definition
- Quality Management
- Knowledge Management Components

Existing Models can be used to automatically...

- Generate Process-Based Executable Code
- Simulate

Degree of modeling effort required to integrate process elements



Why do process modeling projects fail?



Models do not reflect reality

Lack of executive sponsorship

Too much redundancy in models so models become quickly inconsistent

Process descriptions are fragmented

Specialists do not communicate with responsible departments

Wrong modeling notation minimizes communication potential and model value

Diagrams are confusing because there is too much information on each diagram

Models are semantically inconsistent

Fail to adequately represent collaboration

Not easy to share modeling info so it can be reviewed

Lack of departmental ownership

Maintenance of models is too costly so they are quickly out of date

Benefits are not explained in an understandable way

Too costly because model data cannot be reused

Models are too technical

Potential benefits are left unidentified

Business Process Modeling Success Factors



Use of the correct modeling notation creates optimal modeling content.

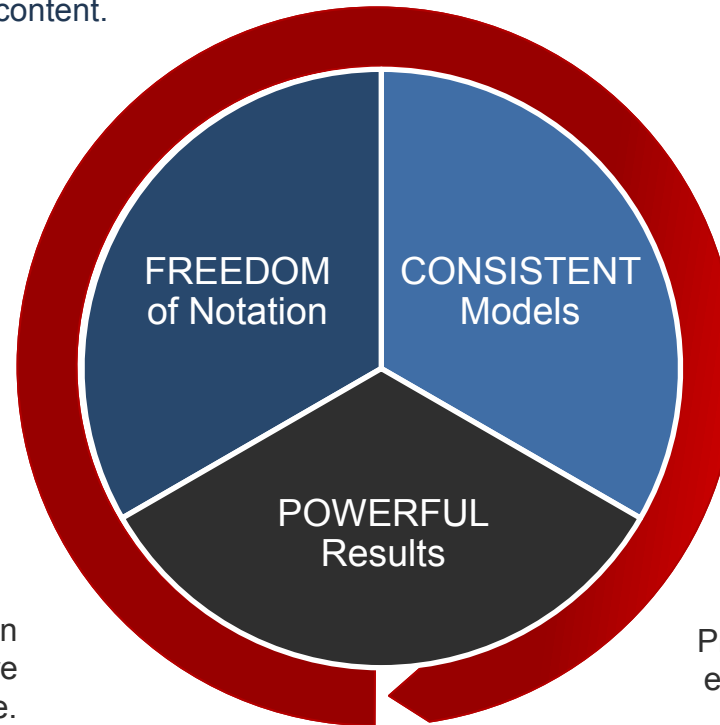
Processes are interrelated, not fragmented

Business potential is maximally realized.

Interfaces between organizational units are clear and consistent.

Models represent reality and real business processes

Models have appropriate detail and are not redundant.



Business components are modeled once and reused saving time and money.

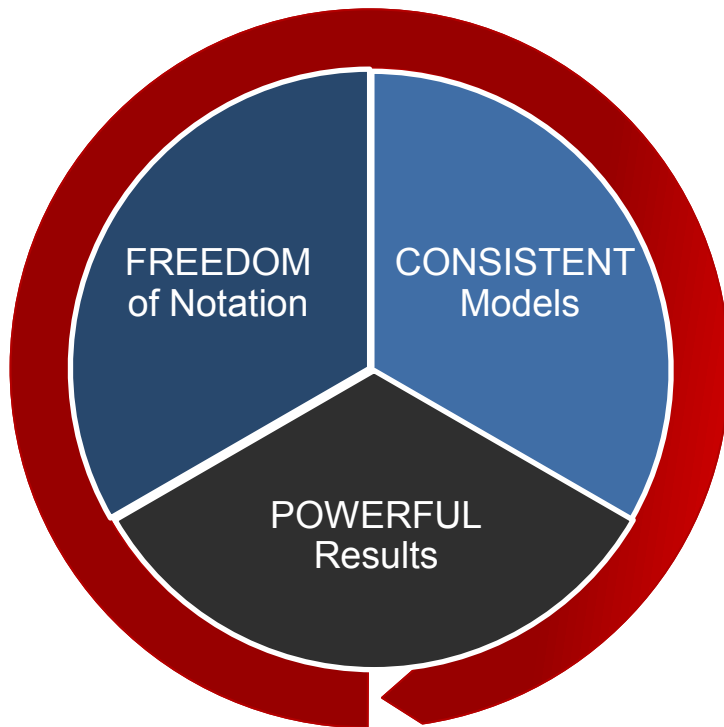
Modeling benefits are explained in an understandable way so they are positively accepted by everyone.

Process models are owned by each department for maximal buy-in

Process models support clear communication channels with each responsible departments.

Executive sponsors follow, support, communicate and act upon newly discovered business potential.

Assured Success with The Process Success Disc™

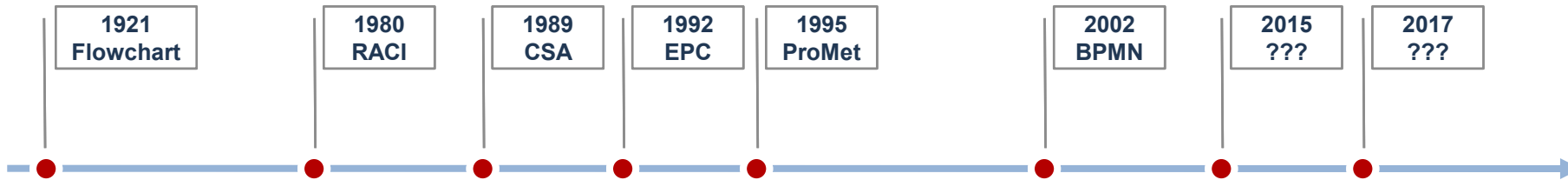


- The Process Success Disc™ bundles success factors to maximize the success of BPM initiatives.
- Presents a structured summary of BPM tool requirements.

Process Success Disc™

Process Success Disc™ in Detail

BPM notations come and go...



- As business requirements change, old notations are modified or new notations are implemented
- There is no universal notation. Best practice shows that some notations work better than others in specific situations.
- Notation selection criteria depends on human resource capabilities, scope, specific project properties, regional aspects, etc...
- Many organizations adapt standard notations to more specifically address their needs or they create own customized notation.



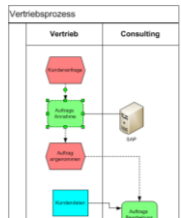
Companies should be able to use an optimal mix of methods and notations and should not be restricted by any particular tool.

Process Success Disc™ in Detail

Examples for usage of different notations

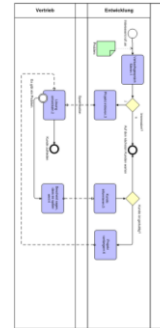


EPC (Event Driven Process Chains)



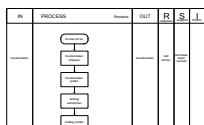
- **Main Application Area:** IT reference models
- **Advantage:** Explicit logic via Operators and State definitions
- **Disadvantages:** Needs lots of modeling space; information flow not visible; process descriptions not easy to understand for non-technical people

BPMN



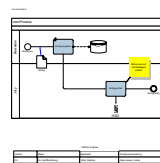
- **Main Application Area:** Process automation and documentation
- **Advantages:** High degree of expressiveness and it is an international standard
- **Disadvantages:** Focuses on technical documentation; BPM view (e.g. duration, cost) not supported in standard; if used as designed in standard there is little intuitive understanding

RACI



- **Main Application Area:** Quality Management
- **Advantage:** explicit display of different kinds of responsibility
- **Disadvantages:** Needs lots of modeling space; information flow not visible; special view restricts modeling flexibility

Individual Notation (Example)



- **Main application area:** Company specific notation standard
- **Advantages:** Specific views and displays (e.g. explicit information flow, organizational units)
- **Disadvantage:** Unable to take advantage of improvements in standards



Process Success Disc™ in Detail

The Importance of Company-Wide Modeling Consistency

- The same object (e.g. “Order“) often appears in different processes with different characteristics.
- Without having a central, notation-independent repository; vocabulary and concepts will be used arbitrarily, without control, resulting in lower quality process models due to less understandable content.
- Reuse of process components improves modeling productivity and modeling quality.
- A central object and process repository allows for reuse of information for a variety of uses such as in IT implementation, quality management, compliance and knowledge management.



Company-wide object and object library consistency must be **actively** supported by a tool that maintains a central repository.

Process Success Disc™ in Detail

Example of the Benefits of Consistency



Example:

Approximately 100 Municipal processes in 3 Federal States were modeled using a continuously growing library of process elements.

- In the first modeling project in the first State, process elements were reused **2-3 times on average**.
- Reuse of process elements reduced the average modeling time from 12 man days/ process to 3,5 man days/ process.



Baden-Württemberg



“Without automated consistency maintenance, models of this dimension would not only result in poor modeling content, they could not have been realized in a cost effective way.”

Dr. Andreas Giesenhausen

Process Success Disc™ in Detail

Participation in Modeling and Review is a Necessity



- Modeling is driven by organizational expertise. This requires the participation of content experts who have limited time. A central repository and intuitive tools make it easier for content experts to access and review models, even if they have limited modeling experience.
- Work status and results must always be visible. Participating departments need efficient and understandable feedback paths that are based on existing collaboration tools.
- Power users need efficient ways to process model elements outside of the modeling environment.
- Results need to find their way into the daily actions in each department. These results should be integrated into existing information platforms such as Microsoft SharePoint.



Broad participation, and the productive use of process models within departments, maximizes modeling benefits and it ensures essential departmental buy-in. This requires intuitive modeling and automatic integration with standard office applications.

Process Success Disc™ in Detail

Powerful Results (Examples)



Example: Process Portal at Bayer

- Bayer operates a Process Portal that contains more than 300 process descriptions, some of them with more than 100 process elements.
- The portal is used for overall organizational design, implementation and documentation. It is a central means for collecting improvement proposals.
- The portal is integrated deeply into Bayer's existing Intranet landscape and is used by employees on a daily basis.



Bayer MaterialScience

Example: SharePoint-Based Process Descriptions at Unity

- UNITY consultancy supports customers in process optimization. All results are collected in a Microsoft SharePoint-based Process Portal that is used as a solid basis for continuous organizational development.
- Integration of modeling into Microsoft SharePoint supports transformation of process models into organizational change.
- The portal is a process-oriented knowledge platform. Process models are automatically transformed into Wikis.

UNITY

Overview



- Success Factors in Business Process Modeling
- SemTalk – Functionality and Benefits
- Technical Description
- Special Considerations
- Semtation Company Profile

Contents



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- SemTalk – Functionality and Benefits
- Technical Background
- Special Subjects
- Company Profile Semtation



What is SemTalk?

SemTalk extends Visio by integrating it with an XML database thereby supporting the creation of reusable Visio objects that behave according to pre-defined business processing rules based on popular modeling methodologies

▪ Business Process Modeling with SemTalk

- Easy-to-use, with all of the functionality of Visio, but with the additional logic and functionality of a high-end modeling tool,
- Graphically and logically supports many modeling methods (BPMN, EPC, PROMET, Flow Chart, CSA ...),
- Imports existing Visio diagrams,
- HTML Generator, MS Office Export, MS Project, simulator, reporting tools, multilingual models,
- Easy to customize to specific needs
- Economical, richly functional Microsoft-based modeling tool with open import/ export interfaces and complete integration with other Microsoft applications,

▪ Knowledge Management with Visio

- Wikis and Ontologies
- Glossaries and ontologies are conform to W3C's recommendations (OWL, "Semantic Web")
- Used for EAI, Process Portals, Knowledge Management, Product Modeling, MS-Office Documents, Data Warehouse Metadata Modeling
- Full integration with all major components of Business Process Modeling

What is SemTalk ?

SemTalk und Visio (1)



Microsoft Visio:

- **Very powerful graphical functionality:**
 - Lines, colors, shadows
 - Align, Automatic Layout
 - QuickShapes
 - Data Graphics
 - Publication as HTML or Visio Services (no additional viewer required)
- **Very low modeling functionality:**
 - No repository (no reuse of modeled elements)
 - No defined modeling methods that only symbol groups (Shape sets)

Visio with SemTalk:

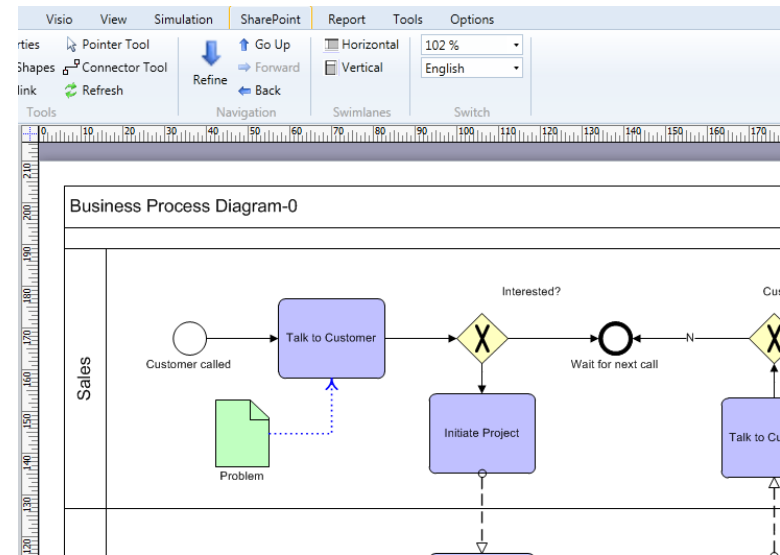
- Reuse of modeled elements (Repository)
- Ability to test model for accuracy and completeness
- Automatically creates a background meta-model (e.g. to easily assign attributes such as modeling time)
- Model evaluation (Reporting)
- Import elements / processes from other tools via xml
- Export into various xml formats
- Fully integrated into Microsoft Office environment
- Process simulation
- Management of modeling elements in Microsoft SharePoint (if required)

SemTalk and Microsoft Visio (2)



- Modeling processes with SemTalk is as simple as drawing a Flow Chart with standard Visio:

- Drag a shape onto the drawing area, rename it and connect it to the next shape. No complicated dialogs or tables.
- SemTalk's rule engine maintains consistency while modeling:
 - The same objects on multiple shapes or pages
 - Deletion and renaming
 - Use of the connector tool for every link
 - Navigation to different pages
 - IDEF Numbering of process steps
 - Search
- All of Visio's sophisticated functions are always available.

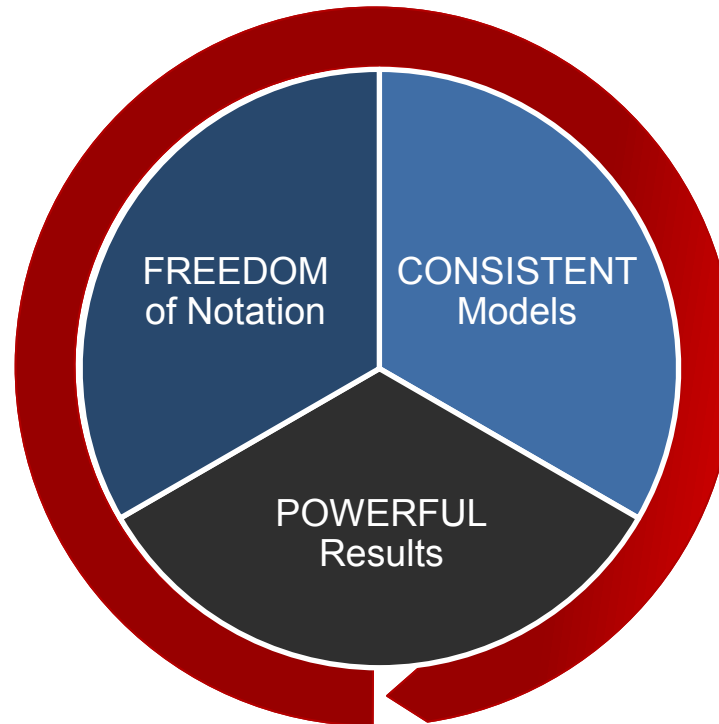


- Modeling processes with SemTalk is even simpler than using Visio alone:
 - SemTalk optimizes Visio for Business Process Modeling:
 - Only those menu entries are visible, which are needed for the task
 - User-defined attributes are specified on objects instead of shapes
 - Model Explorer and Property Window

SemTalk Completely Supports the Process Success Disc™ Overview



- Broad selection of adaptable standard notations
- Individual methods and notations
- Meta model present new possibilities for additional extensions



- Comprehensive process models
- Process building block objects
- Company-wide shared object repository

- Intuitive modeling with Microsoft Visio
- Deep Microsoft SharePoint integration (Objects – not only HTML)
- Wide selection of export functions

FREEDOM OF NOTATION

SemTalk features and benefits



Open meta model that is configurable by user to...

- Define new attributes
- Define new modeling elements
- Modify Existing Modeling Concepts



Models are quickly adaptable and customizable to meet user requirements concerning representation, notation and reporting (no additional programming required)

Complete integration of Microsoft Visio (shapes or shape sets) and Visio tools



Intuitive handling and easy introduction in the creation and use of models

More than 10 out-of-the-box notations available



Supports a broad range of applications and uses

Individualized notations are supported



Maintains and strengthens competitive advantage in areas unique to your organization and industrial sector



Microsoft Visio:

- **Very powerful graphical functionality:**
 - Lines, colors, shadows
 - Alignment, automatic layout
 - Quick Shapes
 - Data Graphics
 - Publishing via HTML or Visio Services (no additional viewer needed)
- **Very little modeling functionality:**
 - No repository (no reuse of already modeled elements)
 - No defined modeling methods, only groups of symbols (Shape Sets)

Visio + SemTalk:

- **Reuse of already modeled elements (Repository)**
- **Modeling rules are checked as you add elements to your model (user-selected rule-based modeling method)**
- **Report of model content**
- **Import of elements/processes from other tools via different XML formats**
- **Export into different XML process modeling formats and into Microsoft Office**
- **Processes can be simulated to assess process performance and model completeness**
- **Models and modeling elements can be managed using Microsoft SharePoint**



Consistency of Modeling and central repository

Vocabulary-based modeling



Higher quality and efficiency in distributed modeling environments and better support for multi lingual modeling

Separation of modeling elements and representation



Central availability of reusable modeling components

Dynamic integration of relevant modeling elements form third party systems



Assured relevance and avoiding redundancy in modeling maintenance

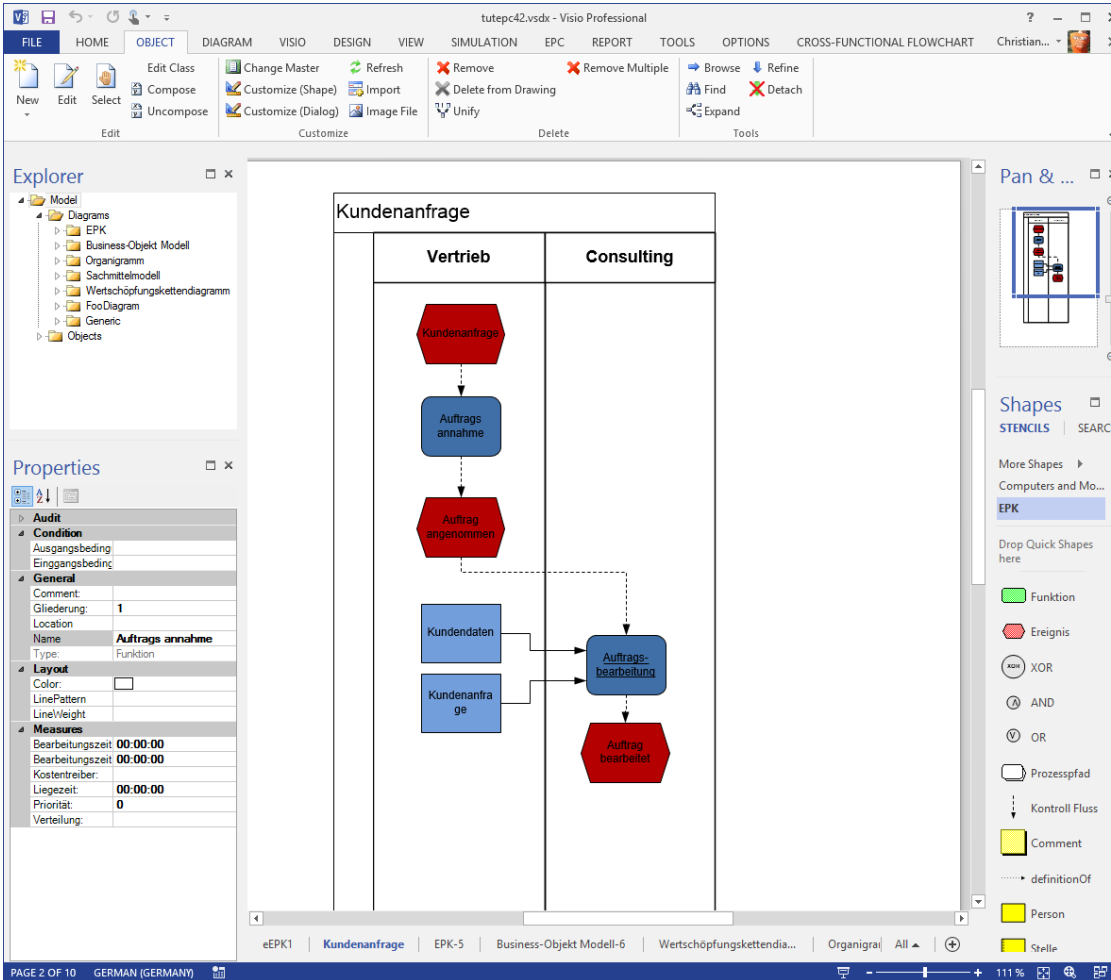
Context based filtering



Reduction of modeling complexity by building views

FREEDOM OF NOTATION

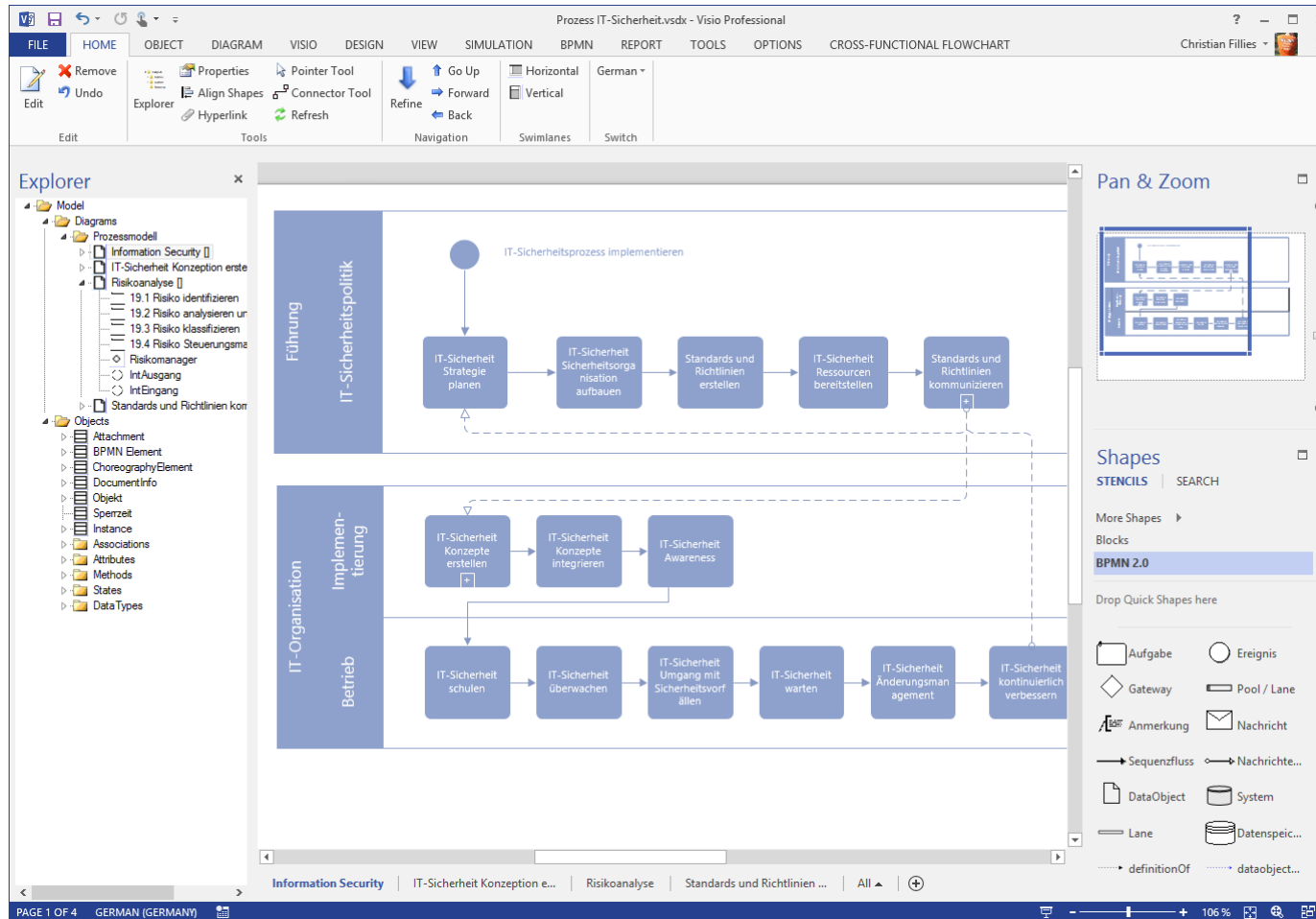
Example: EPCs (Event Process Chains)



- Syntactically and semantically supports the EPC method
- Even inexperienced modelers are able to create EPC's when combined with SemTalk
- The EPC Meta-Model creates "Syntactic consistent" models within the Visio environment
- Object-orientation ensures "Semantic Consistency" in EPC models (often not available in other EPC-based tools)
- Import and consolidation of existing EPC models created with other tools
- Supports SAP R / 3 reference models
- Export / import interfaces with other tools

FREEDOM OF NOTATION

Example: BPMN (Business Process Modeling Notation)



- Syntactically and semantically checks added model elements based on up-to-date BPMN standards
- Extends model functionality based on object-oriented modeling (e.g. reusable business objects, able to add attribute data)
- Able to switch between analyst and technician mode
- Export / import of various XML formats, including BPMN2.0



Example: Controlled Vocabulary

The screenshot shows a web browser window displaying a SharePoint site. The address bar shows the URL: <http://sp10.mine.nu:44008/eBG/Lists/Objects/ObjView.aspx>. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The site's navigation bar shows 'Site Actions' and 'Browse' options. The main content area displays a list of objects under the heading 'eBG > Objects > ObjView'. A search bar is present with the text 'Search this site...'. The list is organized into columns: Title, SuperClass, Attribute, Method, and State. The 'Objects' category is selected in the left-hand navigation pane.

Title	SuperClass	Attribute	Method	State
Abgeschlossenheitsbescheinigung			ausfertigen; siegeln/unterschreiben; übergeben; erarbeiten; erstellen	bescheinigt; gesiegelt/unterschrieben; liegt vor; dokumentiert
Antrag Abgeschlossenheitsbescheinigung		formlos; (Informationsmaterial); ; (formlos); formal; versandfertig; (Genehmigungsfreistellung); bautechnisch; vollständig	erarbeiten; bearbeiten; dokumentieren; erstellen; bereitleiten; übergeben; unterschreiben; annehmen; prüfen; vervollständigen; vorbereiten	bezahlt; unvollständig; unterschrieben; in Betrieb genommen; angenommen
Abgeschlossenheit Objekt				bescheinigt; liegt vor
Anlagen Antrag Abgeschlossenheitsbescheinigung			zusammenstellen; bereitstellen	
Grundstücksakte			anfordern	
Grundstückspläne			siegeln/unterschreiben	unterschrieben/gesiegelt; beseitigt
Grundstückspläne (Übereinstimmung)			prüfen; sicherstellen	
Nachforderungen zum Antrag Abgeschlossenheitsbescheinigung			erstellen	
Nachreichungen zum Antrag Abgeschlossenheitsbescheinigung			erstellen; entgegennehmen	
Anschreiben Abgeschlossenheitsbescheinigung			erstellen	unterschrieben; bezahlt
Vorgang Antrag Abgeschlossenheitsbescheinigung			abschliessen; archivieren	
Gebühren Abgeschlossenheitsbescheinigung			bearbeiten	bezahlt; nicht genehmigt
Anschreiben Eingangsbestätigung				
Eingangsbestätigung		(Antrag Genehmigungsfreistellung); an NGO	bearbeiten; unterschreiben; erstellen	
Bauberatung (Abgeschlossenheitsbescheinigung)			durchführen; bescheiden	
Planung Vorhaben (Entwurf)			erarbeiten; abstimmen;	abgestimmt



How to use your Controlled Vocabulary

The screenshot displays the Microsoft Visio interface for creating a Business Process Model and Notation (BPMN) diagram. The main workspace shows a process flow for 'Order Handling' divided into three swimlanes: Secretary, Order Department, and Shipping. The process starts with an event 'order arrived' in the Order Department, leading to a task 'check order'. A decision diamond follows, with a 'yes' path leading to a task 'inform customer' in the Secretary lane and a 'no' path leading to a task 'process order' in the Order Department. The 'process order' task leads to a task 'ship order' in the Shipping lane, which concludes with an event 'order shipped'. A callout box 'Check if customer has paid last bill' points to the 'inform customer' task.

A 'New Object' dialog box is open in the foreground, allowing the user to define a new object. The dialog has the following fields:

- Class:** A dropdown menu with 'customer' selected. To the right are 'All' and 'SP' buttons.
- Attribute/State:** Two radio buttons, with 'Attribute' selected.
- Method:** A dropdown menu with 'inform' selected. To the right is an 'All' button.

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

The Visio interface includes a top ribbon with tabs like 'Datei', 'Home', 'Object', 'Diagram', 'Visio', 'Einfügen', 'Entwurf', 'Daten', 'Prozess', 'Überprüfen', 'Ansicht', 'Entwicklertools', 'Simulation', 'SharePoint', 'BPMN', 'Report', 'Tools', and 'Options'. The 'Options' tab is currently active, showing various tool options. On the left, an 'Explorer' pane shows a tree view of the project structure, including 'Order Handling' and 'process order'. The bottom status bar shows 'Zeichenbl. 1 von 3', 'Breite: 25,4 mm', 'Höhe: 19,05 mm', 'Winkel: 0 grad', 'Deutsch (Deutschland)', and a taskbar with various application icons.

POWERFUL RESULTS

SemTalk features and benefits



Deep Microsoft SharePoint integration



Able to build interactive process portals

Comments made via SharePoint



Easy feedback loops for process communication, review & edit

Microsoft SharePoint model and meta model synchronization



Cost-effective & timely model maintenance based on SharePoint lists

Existing models from other third party systems are transformed & published in SharePoint



Cost reduction/ investment optimization due to an open process data storage platform

Open repository in Visio and SharePoint



Maximal result utility/ positive benefit

POWERFUL RESULTS

Object Repository in SharePoint



The screenshot displays the 'Objects' page in SharePoint, showing a list of objects with the following columns: Titel, Attribute, SuperClass, Method, State, and Domain. The 'Klassen' section is highlighted in the left sidebar.

Titel	Attribute	SuperClass	Method	State	Domain
Kunde	Potenzial		kontakten; vorqualifizieren; anlegen	mit Potential; vorqualifiziert; neu	Angebot
Anfrage			entgegennehmen; priorisieren; bearbeiten	abgelehnt; ähnlich; vormontiert	Angebot
Angebot			erstellen	ähnlich; versendet; abgelehnt; vormontiert	Angebot
Auftrag			bearbeiten	o.k.; verändert; mit Bürgerschaft	Angebot
Anlage			konstruieren; entwickeln; transportieren; ausliefern; kontakten	vormontiert; fertig	Angebot
Förderanlage		Anlage			Angebot
Anfrage-Checkliste			vervollständigen		Angebot
Vorgang				ähnlich	Angebot
Kosten					Angebot
Deckungsbeitrag					Angebot
sonstiger Aufwand					Angebot
Auftragsbestätigung					Angebot

- Central management of shared objects in SharePoint Server
- SharePoint lists can be connected to any SemTalk object type
 - Org units
 - IT systems
 - Glossaries
 - ...
- Able to globally edit/ delete shared objects in SemTalk or SharePoint
- SharePoint Columns are synchronized with SemTalk attributes and relationships
- External models or direct connections to export / import, or select individual elements
- SemTalk Content Types and Column Types simplify the creation of new lists

POWERFUL RESULTS

SharePoint as a Centralized Process Repository



Modelldateien Prozesse - Alle Dokumente - Internet Explorer

https://semtalk.sharepoint.com/npb2/_layouts/15/start.aspx#/Mode

Office 365 Outlook Kalender Personen Newsfeed OneDrive Websites ... Administrator Christian Fillies

DURCHSUCHEN DATEIEN BIBLIOTHEK

Neu Hochladen Synchronisieren bearbeiten Verwalten Freigeben

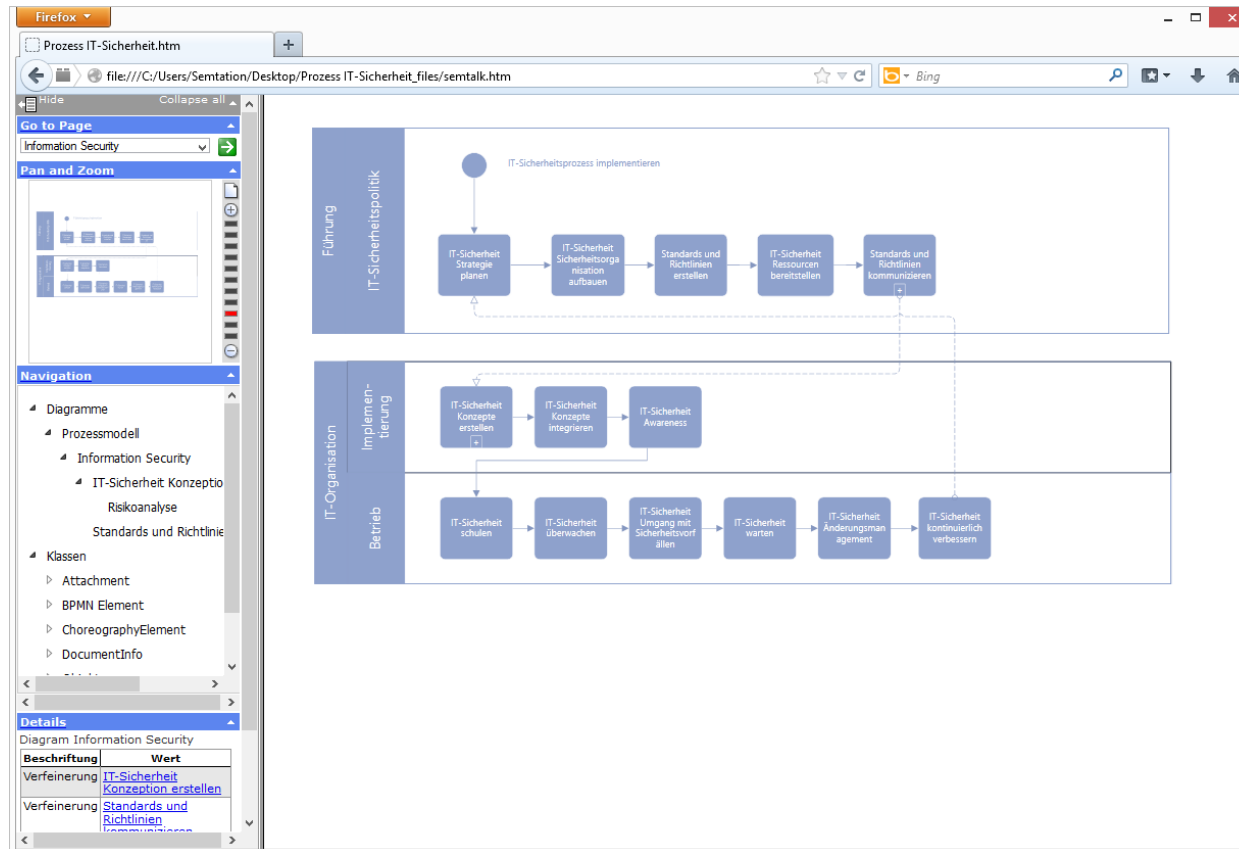
Alle Dokumente Fallzahl ... Datei suchen

✓	Name	Beschreibung	Durchlaufzeiten	Kosten	Fallzahl	Mail	Kontaktname	Kontakttelefon	Schlagworte	Grad der elektronischen Unterstützung
Fallzahl : (1)										
Fallzahl : bis 1.000 (3)										
	Prozessmodell Öffentlicher Schulhausbau	Beantragung von Zuschüssen für Erweiterung Neubau von Schulgebäuden.	60:00:00	375 €	bis 1.000	shb@rp-bawue.de	Herr Schüler			Formulardownload
	Schulhort	Antragsprozess auf Betreuung im Schulhort	14:00:00	1.200 €	bis 1.000	schule@hort.de	Frau Schul			Formulardownload
	Vereinfachtes Verfahren	Der Prozess des vereinfachten Verfahrens im Bereich Verkehrsrechtliche Anordnungen.	12:00:00	2345 €	bis 1.000	strasse@verwalt.berlin.de	Frau Müller	Tier		Formulardownload
Fallzahl : bis 5.000 (2)										
Fallzahl : über 10.000 (1)										

- Collaboration platform for process modelers
- Location for Visio process files
- Process meta-data location (e.g. "Process Owner")
- Support files for all models (e.g. model background page)
- Versioning
- Model views (Process, HR,)
- Roles and Permissions
- Workflows
- Sub-process combinations
- Ability to directly open and save from SemTalk
- Attachments selected from SharePoint libraries

POWERFUL RESULTS

Processes as HTML/ Intranet Content

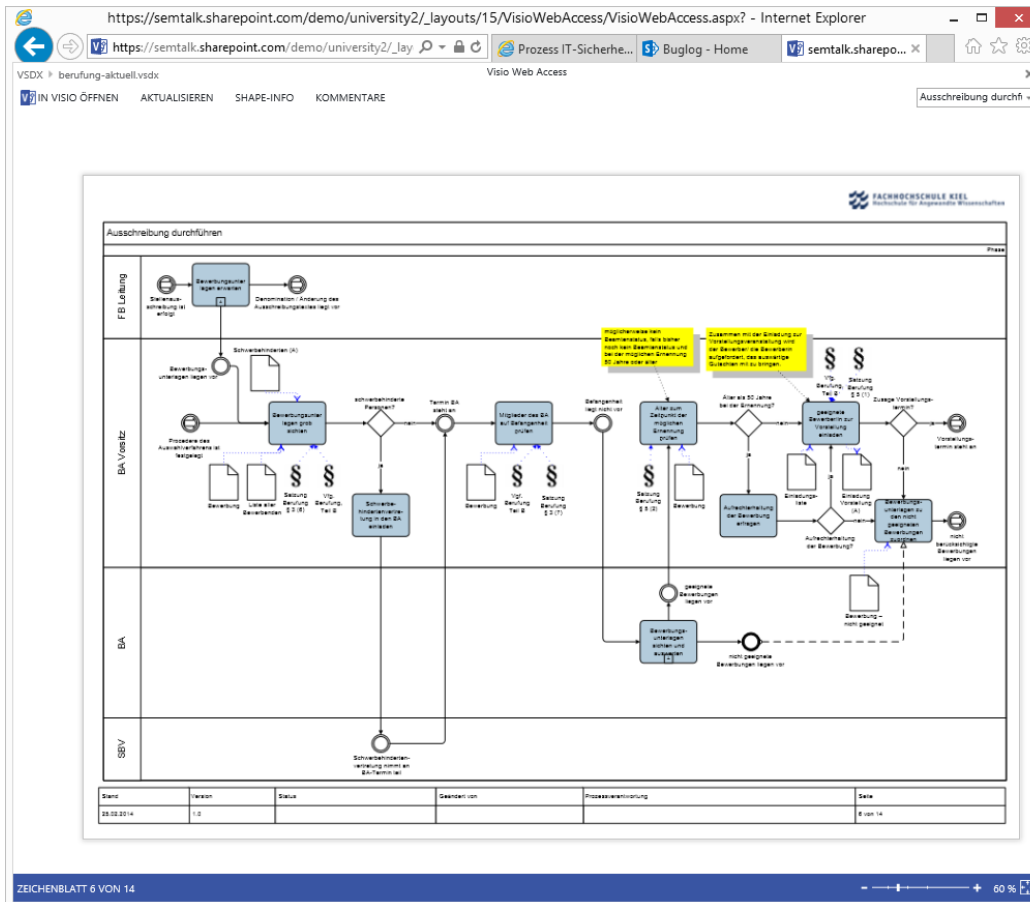


- Extension of the Visio HTML Export
- Navigation within model
- Database-based search
- Model content tree
- Printable Pages
- Vector graphics for any magnification
- Merge for multiple Visio files
- No additional viewer required



POWERFUL RESULTS

Visio Web Access



- Supports preview and navigation for quicker access. Visio/ Visio readers are not required to view model data.
- Ideally, the same library is used by the editor.
- In practice, a publication library is created so that copies of released Visio documents can be easily accessed.
 - Publication libraries should be formatted as VDW
 - Workflow integration requires SharePoint Designer to be installed on client computers



POWERFUL RESULTS

SemTalk Services Process Portal

The screenshot displays a web browser window with the URL https://semtalk.sharepoint.com/demo/university2/Support/webparts_vdw.aspx. The page shows a Visio diagram of a recruitment process. The diagram is titled "Übersicht - Berufungsverfahren (berufung-aktuell)->Ausschreibung anstoßen (berufung-aktuell)". The diagram includes tasks such as "Ausschreibungstext verfassen", "Ausschreibungstext überarbeiten", "Ausschreibungstext (inhalten)", "Begründung BA", "Begründung und Ausschreibungstext zur Akzeptanz vorgehen", "Begründung für Zusammenfassung BA zusammenfassen", "Unterlagen zur Genehmigung weiterleiten", "Stellenausschreibungstext vorab weiterleiten", "Ausschreibungstext (inhalten)", "Begründung, Ausschreibungstext legen zur Abstimmung vor", "Ausschreibungstext verabschieden, BA abstimmen", and "Protokolle des Ausschreibungsverfahrens". The diagram is divided into two lanes: "FB Leitung" and "FB Konvent". The interface also includes a navigation pane on the left, a search bar, and a property pane on the right.

- HTML or Visio Web Access (Visio Services in SharePoint) or as a Visio Viewer
- Virtual integration of multiple Visio documents
- Stand-alone or in SharePoint Web Part
- Feedback via SharePoint
- SemTalk Services:
 - Navigation
 - Reporting
 - Search
 - Context
 - Documents
 - Comments
 -

POWERFUL RESULTS

SemTalk Services: Freely configurable Web Parts



The screenshot displays a SharePoint web page titled "Steckbrief_1". The page is structured with a header, a left column, and a middle column. The left column contains a navigation menu with items like "Home", "Modelle", "Portale", "Steckbrief", "Kommentare", "Aufgaben", "Auswertungen", "Repository", "Aufgabenliste", "Richtlinien", and "Site Contents". The main content area is divided into three sections: "Header", "Left Column", and "Middle Column". The "Header" section contains an "Add a Web Part" button. The "Left Column" section contains three web parts: "Process Model Details" with the title "Übersicht: Berufungsverfahren" and a link to "Berufung-Aktuell.vsd"; "Steckbrief" with the title "Exist: Prozess-Steckbrief"; and "Diagram" with a list of refinements: "Refinement: Professurenennung durchführen", "Refinement: Ruferteilung anstoßen", and "Refinement: Ausschreibung anstoßen". The "Middle Column" section contains a "Process Model" web part with buttons for "OPEN IN VISIO", "REFRESH", and "SHAPE INFO". Below these buttons is a detailed process diagram showing a flow of steps: "Antragstellung", "Antragprüfung", "Antragbearbeitung", "Antragverteilung", "Antragbearbeitung", "Antragprüfung", "Antragstellung". The diagram is titled "Übersicht: Berufungsverfahren".

POWERFUL RESULTS

Process Documentation with Microsoft Word



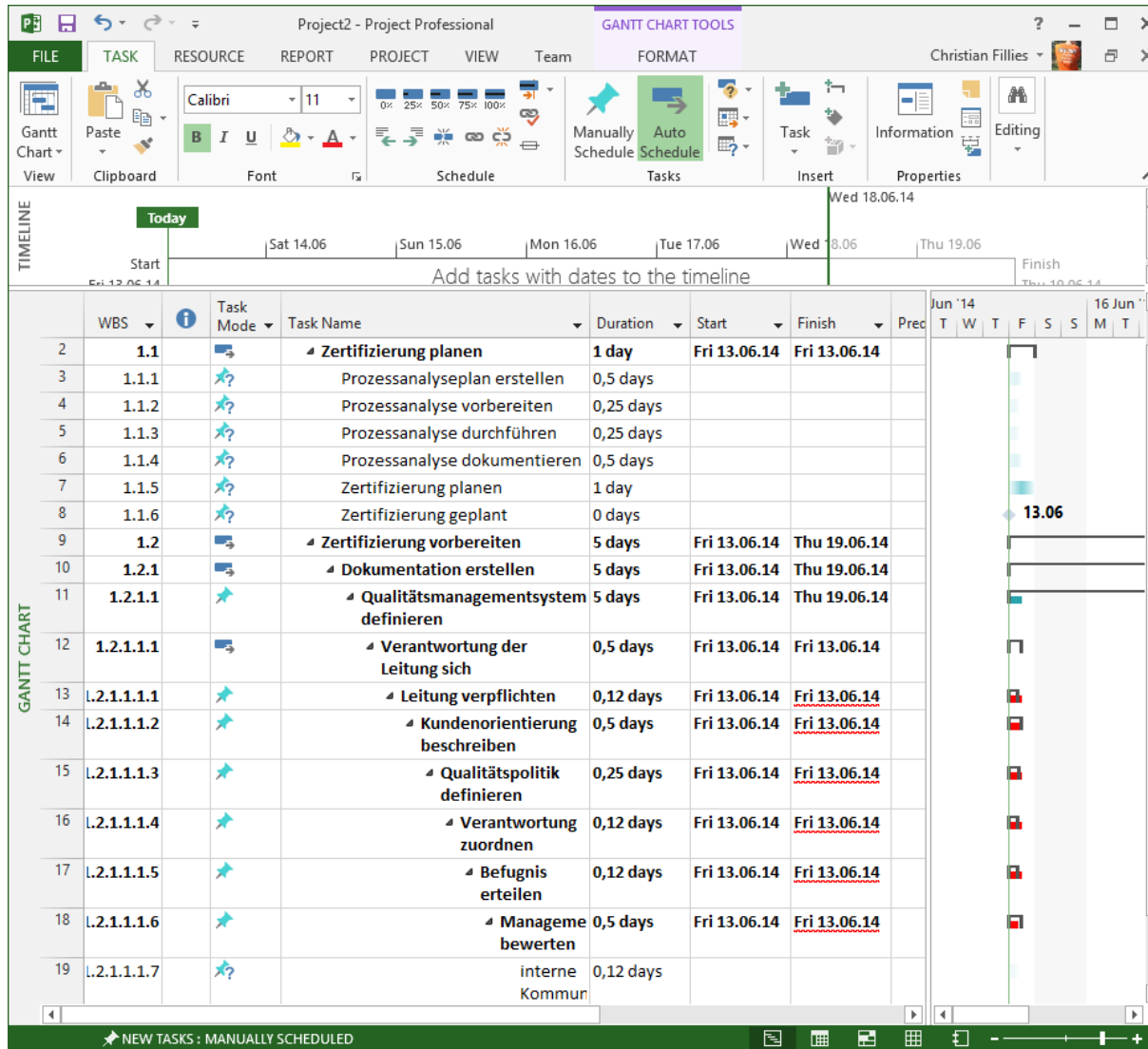
The screenshot shows a Microsoft Word document with a process diagram and a table. The dialog box is titled 'SemTalk BPMN 2.0 Visio 2010 Edition -> Microsoft Word' and has tabs for 'General', 'BPMN', 'Instance', 'OrgEinheit', and 'Class'. The 'General' tab is active, showing a list of document elements on the left and a list of options on the right. The options include 'Include Text', 'Include TOC', 'Include Title', 'Include Cover page', 'Drawings', 'New Page for Each Diagram', 'Include Background', and 'Generate PDF'. The 'Caption Format' is set to 'Heading 1' and the 'Table Format' is set to 'Table Grid'. The 'Export' button is highlighted.

Task	Participant	Object
1 IT-Sicherheits Strategie planen	IT-Sicherheitsbeispiel	
2 Standards und Richtlinien erstellen	IT-Sicherheitsbeispiel	
7 IT-Sicherheits Konzepte erstellen	Informationen.Sicherheit	
8 IT-Sicherheits Konzepte integrieren	Informationen.Sicherheit	
9 IT-Sicherheits Awareness	Informationen.Sicherheit	
10 IT-Sicherheits schulen	Bestrick	
11 IT-Sicherheits übertragen	Bestrick	
12 IT-Sicherheits Umgang mit Sicherheitsvorfällen	Bestrick	
13 IT-Sicherheits wachen	Bestrick	
14 IT-Sicherheits Änderungsmanagement	Bestrick	
15 IT-Sicherheits kontinuierlich verbessern	Bestrick	
16 Standards und Richtlinien kopieren	IT-Sicherheitsbeispiel	
17 IT-Sicherheits Sicherheitsbewertung	IT-Sicherheitsbeispiel	

- Easy creation of
 - Process Training Manuals
 - QM Handbooks
 - Compliance Documentation
 - ...
- Use of any document template, style or text block
- Freely configurable

POWERFUL RESULTS

Project Templates for Microsoft Project



- Definition of repetitive project types as process models
- Faster project implementation
- Graphical description of projects with additional information specific to the execution of projects
- Reimport of project plans and actual project execution times in SemTalk

POWERFUL RESULTS

Process Optimization via Simulation



tutsim42e.vdvw [Compatibility Mode] - Visio Professional

FILE HOME OBJECT DIAGRAM VISIO DESIGN VIEW SIMULATION REPORT TOOLS OPTIONS CROSS-FUNCTIONAL FLOWCHART Christian... X

Show New Run Open Back Break Save Next Options Simulation Tools

Simulation

PID	Time	Event	Object
12	3:25:11	New	Make Bid.2
12	3:25:11	Done	Make Bid.2
12	3:25:11	New	sends info: Mal
12	3:25:11	New	Bid made
12	3:25:11	Done	Bid made
17	3:50:1	Begin	Lunch
17	3:50:1	Interrupt	Process Price (
17	3:50:1	Releasing	Process Price (
17	3:50:1	Waiting	Process Price (
17	3:60:0	End	Lunch
17	3:60:0	Resuming	Process Price (
17	3:60:0	Using	Process Price (
17	4:50:1	Begin	Lunch
17	4:50:1	Interrupt	Process Price (
17	4:50:1	Releasing	Process Price (
17	4:50:1	Waiting	Process Price (
17	4:60:0	End	Lunch
17	4:60:0	Resuming	Process Price (
17	4:60:0	Using	Process Price (
17	5:50:1	Begin	Lunch
17	5:50:1	Interrupt	Process Price (
17	5:50:1	Releasing	Process Price (
17	5:50:1	Waiting	Process Price (
17	5:60:0	End	Lunch
17	5:60:0	Resuming	Process Price (
17	5:60:0	Using	Process Price (
17	6:50:1	Begin	Lunch
17	6:50:1	Interrupt	Process Price (
17	6:50:1	Releasing	Process Price (
17	6:50:1	Waiting	Process Price (
17	6:60:0	End	Lunch
17	6:60:0	Resuming	Process Price (
17	6:60:0	Using	Process Price (
17	6:65:7	Storing	CRM -> Price C
17	6:65:7	Done	Process Price (
17	6:65:7	Releasing	Process Price (
14	6:65:7	New	Process Price (
14	6:65:7	Using	Process Price (
17	6:65:7	New	sends info: Pro

Process-1

Sales Consulting

Price Quote requested

Price Quote

Price Quote Volume > 1000

Check Discount.3

Price Quote

Price Quote Volume <= 1000

Make Bid.2

Bid

Bid made

Contents 2

Buffer CRM

Make Forecast.4

STOP

Explorer Process-1 All +

PAGE 1 OF 1 GERMAN (GERMANY) 85%

- Identify bottlenecks and throughput times
- Optimize resources
- Single-step mode to verify processes
- Identification of process costs of individual process paths
- Distributions, blackout dates, user-defined KPIs
- Process execution branching according to probabilities or attribute values
- Programmable
 - Within tool
 - Using scripts
- Simulation reports in Microsoft Office Excel

POWERFUL RESULTS

Reports and Process Overviews



SemTalk Reporting tool:

File Adjust Column

General Preview Format SemTalk Service Settings SQL Settings

Classes: Aktivität
 Objecttypes: All Instances
 Namespace: <None>

Instances: [Dropdown]
 Starts with: [Text]
 Objects on Page: 100
 Load Time Attribute (10 times longer)

Ordering: None
 Language: German

Refresh Filter

<input checked="" type="checkbox"/> Aktivität [All Instances]			
<input checked="" type="checkbox"/> System Attributes			
<input type="checkbox"/> IORules			
<input type="checkbox"/> StartQuantity			
<input type="checkbox"/> Loop Type			
<input type="checkbox"/> LoopCondition			
<input type="checkbox"/> LoopCounter			
<input type="checkbox"/> LoopMaximum			
<input type="checkbox"/> TestTime			
<input type="checkbox"/> MI_Condition			
<input type="checkbox"/> MI_Ordering			
<input type="checkbox"/> MI_FlowCondition			
<input type="checkbox"/> Complex_MIFlowCondition			
<input type="checkbox"/> IsTransaction			
<input type="checkbox"/> Interface			
<input type="checkbox"/> Operation			
<input type="checkbox"/> InMessage			
<input type="checkbox"/> OutMessage			
<input type="checkbox"/> Participant			
<input type="checkbox"/> CostDriver			
<input type="checkbox"/> Strategy			
<input type="checkbox"/> Priority			
<input type="checkbox"/> Restart			
<input type="checkbox"/> WorkTime			
<input type="checkbox"/> WorkTime2			
<input type="checkbox"/> WaitingTime			
<input type="checkbox"/> TaskType			
<input type="checkbox"/> UserNumber			
<input type="checkbox"/> DistributionType			
<input type="checkbox"/> Script			
<input checked="" type="checkbox"/> wird bearbeitet von (Bearbeiter)			
<input checked="" type="checkbox"/> HumanResource [Instance]			
<input checked="" type="checkbox"/> System Attributes			
<input checked="" type="checkbox"/> Name			
<input type="checkbox"/> Namespace			
<input type="checkbox"/> Comment			
<input type="checkbox"/> LinkedDocuments			
<input type="checkbox"/> URL			
<input type="checkbox"/> RowID			
<input type="checkbox"/> InModel			
<input type="checkbox"/> Created			
<input type="checkbox"/> Modified			

Aktivität	wird bearbeitet von	OnDiagram
Basissicherheitscheck		IT-Sicherheit Konzeption erstellen
IT-Sicherheit Änderungsmanagement	Betrieb	Information Security
IT-Sicherheit Awareness	Implemen-tierung	Information Security
IT-Sicherheit kontinuierlich verbessern	Betrieb	Information Security
IT-Sicherheit Konzepte erstellen	Implemen-tierung	Information Security
IT-Sicherheit Konzepte integrieren	Implemen-tierung	Information Security
IT-Sicherheit Ressourcen bereitstellen	IT-Sicherheitspolitik	Information Security
IT-Sicherheit schulen	Betrieb	Information Security
IT-Sicherheit Sicherheitsorganisation aufbauen	IT-Sicherheitspolitik	Information Security
IT-Sicherheit Strategie planen	IT-Sicherheitspolitik	Information Security
IT-Sicherheit überwachen	Betrieb	Information Security
IT-Sicherheit Umgang mit Sicherheitsvorfällen	Betrieb	Information Security
IT-Sicherheit warten	Betrieb	Information Security
IT-Sicherheitsrichtlinie		Standards und Richtlinien kommunizieren
Realisierung der Maßnahmen		IT-Sicherheit Konzeption erstellen
Risiko analysieren und bewerten	IT-Sicherheit - Risiko-management	Risikoanalyse
Risiko identifizieren	IT-Sicherheit - Risiko-management	Risikoanalyse
Risiko klassifizieren	IT-Sicherheit - Risiko-management	Risikoanalyse
Risiko Steuerungsmaßnahmen umsetzen	IT-Sicherheit - Risiko-management	Risikoanalyse
Risikoanalyse		IT-Sicherheit Konzeption erstellen
Standards und Richtlinien erstellen	IT-Sicherheitspolitik	Information Security
Standards und Richtlinien kommunizieren	IT-Sicherheitspolitik	Information Security
Strukturanalyse		IT-Sicherheit Konzeption erstellen

Aktivität [All Instances]

- The main analyses for process models are included:
 - Contents of models and
 - Simulation results
- Export to MS Excel
- User-defined process evaluations can be created as scripts
- Meta-model evaluation generator allows you to create your own XML formats or tables similar to those available with XPATH

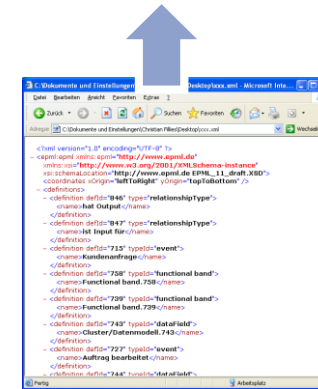
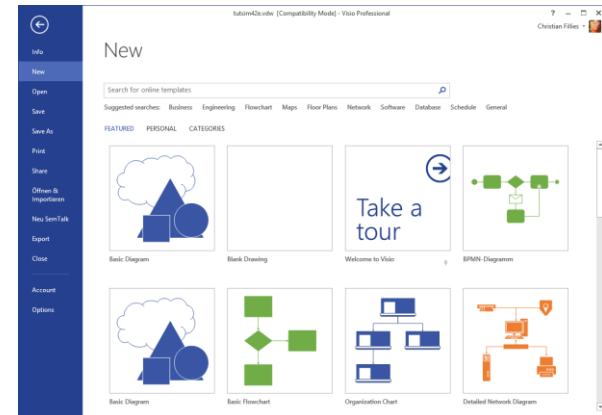
Overview



- Success Factors in Business Process Modeling
- SemTalk – Functionality and Benefits
- Technical Description
- Special Considerations
- Semtation Company Profile

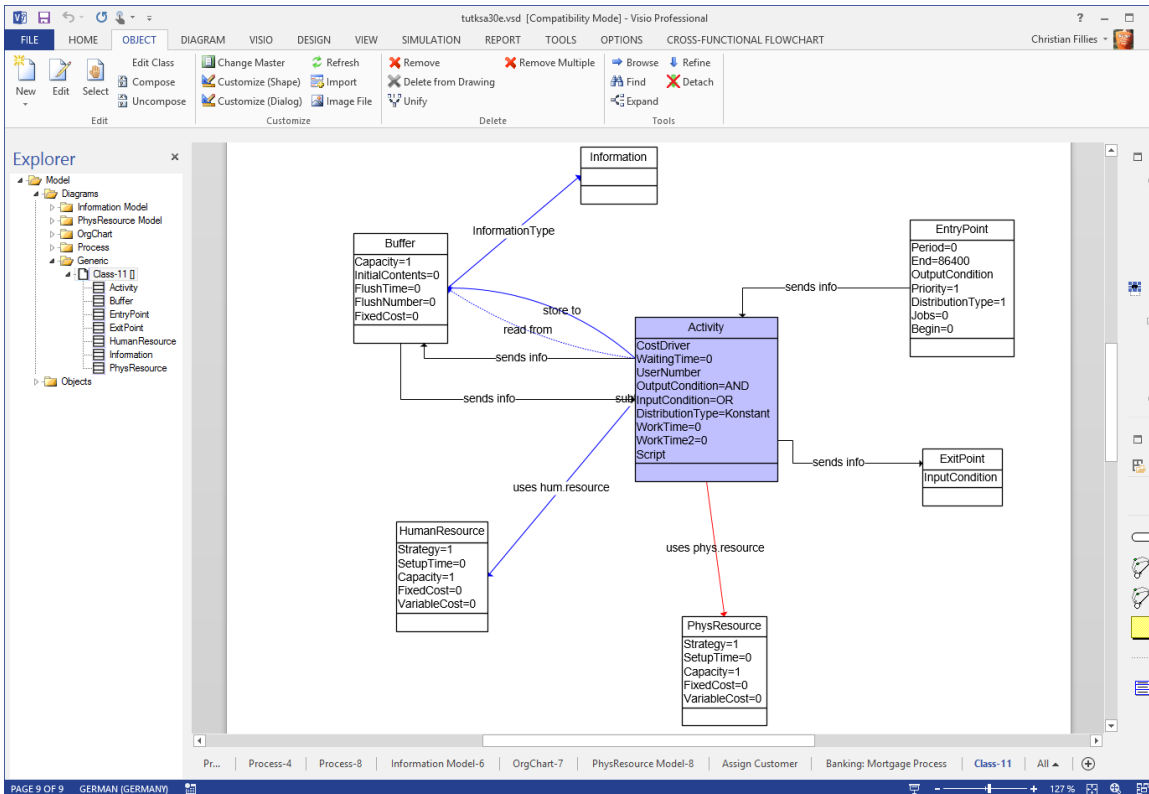
SemTalk Basics

- SemTalk extends Visio by integrating Visio with an XML Database
- Visio consists of a set of shapes that focus on a specific topic: Subway, Flow Chart, EPK, etc.
- Modeling tools need to do more than to create simple drawings. They need...
 - Databases for attributes
 - Logic as to shape types with rules for connectivity and relationships to each other
 - Navigation (to the same object that may appear on many pages, navigation between diagrams)
 - Process refinements and interface definitions ("postings")
 - Interfaces to other tools based on open meta models
 - Meta model-based reports
 - Simulation,



SemTalk = Visio + Logic
 (Meta model and data objects are imbedded as XML in Visio Documents)

Customization and Extension of SemTalk

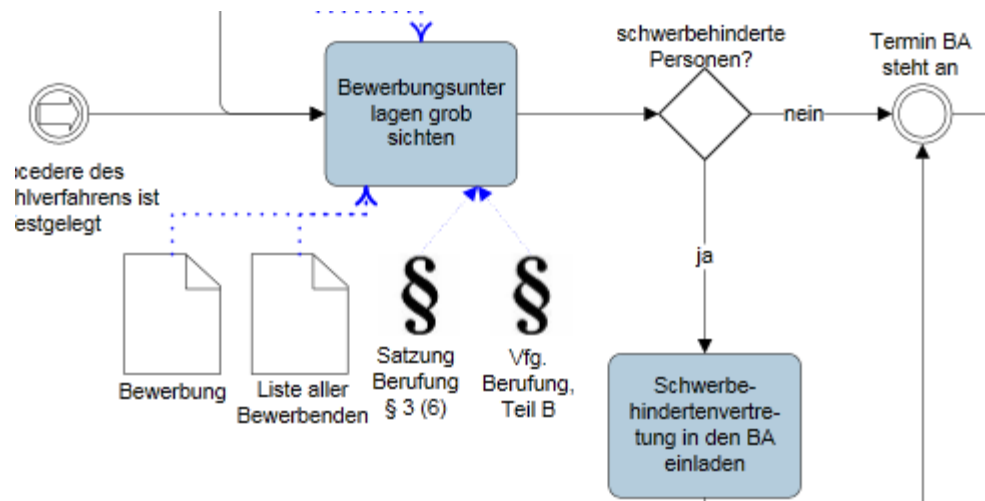


- Meta model for modeling methods
- Objects
- Relationships
- Views
 - How it is represented
 - What is visible
- Representation
 - How it is represented
 - What is visible
- For each Visio shape users can determine (in Visio), how it can be connected to other shapes and they can assign shape attributes

Advantages of Using a Meta-Model Approach

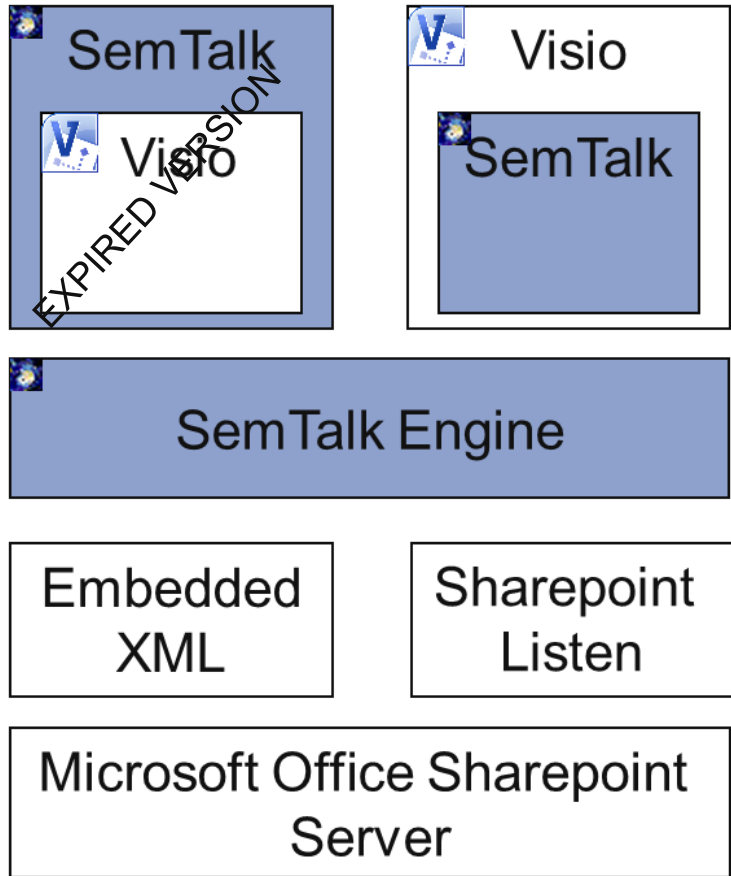
The meta model can be graphically customized and extended without programming in SemTalk

- Object types and types of charts (Views)
- New features such as "Knowledge Intensive Processes" or "Process Modeling for e-Government" are to be realized within a short time
- Customized solutions (most larger customers have their own company method)





Architecture: SemTalk and Microsoft SharePoint



- Platform:
 - Visio with embedded SemTalk
- Data Management:
 - XML in Visio Document
 - SharePoint Lists

Overview



- Success Factors in Business Process Modeling
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 - SAP
 - ARIS
 - Microsoft SharePoint Site Builder
- Semtation Company Profile

Selected SemTalk Application Scenarios



Demo - Themen - Internet Explorer

https://semtalk.sharepoint.com/demo/_layouts/15/start.aspx#/SitePa... Prozess IT-Sicherheit.htm Demo - Themen

Office 365 Outlook Kalender Personen Newsfeed OneDrive Websites ... Administrator Christian Fillies

DURCHSUCHEN SEITE FREIGEBEN FOLGEN BEARBEITEN LINKS BE

Demo IT Service Management Krankenhaus Brillenshop University Nationale Prozessbibliothek Formularassistent

Home Modelle Zuletzt verwendet Themen XML Informationen Repository Bearbeiter IT-Systeme Sachmittel Klassen Methoden Attribute Zustände Relationen Attributwerte Tripel Unterwebsites ITIL Produktentwicklung Websiteinhalte

Bibliothek & Steckbrief Monitoring Portal Data Warehouse Solution Manager

Simulation Wiki Suche Formulare Workflow

SiteBuilder Reports Taxonomie Migration Mehrsprachigkeit

SemTalk and SAP

SAP Solution Manager: Documentation the SAP System



The screenshot displays the SAP Solution Manager web interface. At the top, it shows the 'Solution Manager - Home' page with navigation options like 'Home', 'Business Blueprint Process', 'SiteBuilder', 'Metamodel', 'Documents', etc. The main content area features a circular diagram illustrating the 'Application Lifecycle Management' cycle: Optimize, Require models, Design (BPP), Build and Test, and Deploy. Below this, a section titled 'Creating Business Blueprints in SAP Solution Manager by use of external modeling tool SemTalk' lists several key points:

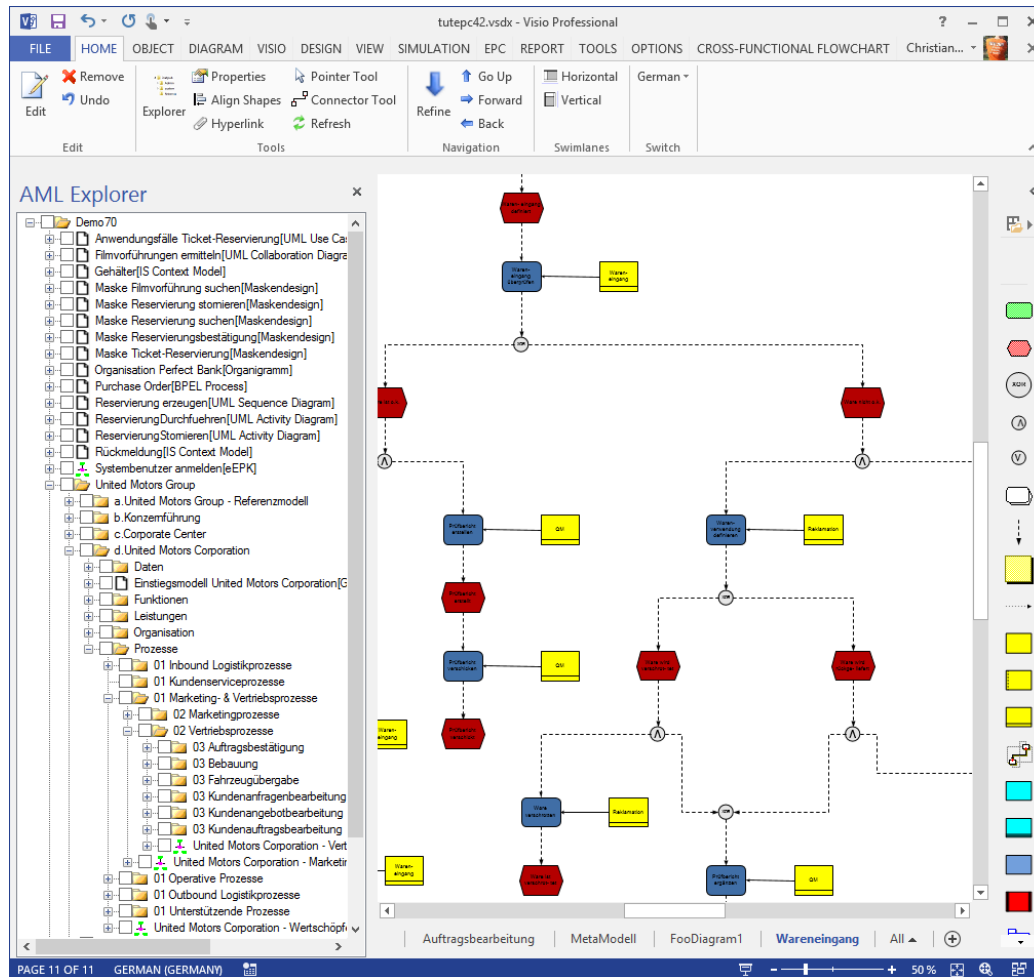
- utilization of Content Upload Interface in SolMan 7.1
- optimized usability for Business Blueprint creation by the use of graphical modelling
- adaption of Business Blueprint Metamodel in SemTalk
- usage of BPMN, EPC, KSA, Flow Charts for building Business Blueprint structures
- new SemTalk dialogs provide adding of additional Information
- exchange Business Blueprints between Solution Manager and SemTalk via Excel sheets

Below the text, there are two screenshots of SAP dialogs. The first is 'Anfrage: Manuelle Importieren' (Request: Manual Import) with fields for 'Name', 'Beschreibung', and 'System'. The second is 'Diagramm: Business Process Diagram 0' (Diagram: Business Process Diagram 0) showing a table with columns for 'Beschreibung', 'Logische Abhängigkeit', 'Knoten ID', and 'Inhalt'. The table contains one entry: 'Content-Model Data' with a logical dependency of 'SAP' and a content ID of 'SAP'.

- Bi-directional exchange with the SAP Solution Manager 7.1
- Flexible assignment to process levels and steps
- Applicable for every process modeling notation

SemTalk and ARIS

Extending ARIS at the Department Level



- Easy to use -> little training
- Vector graphic based HTML Visio
- Bi-directional interface to ARIS
- Easy integration into portals
- Database-free version
- Flexibility: Adaptable by the meta model-based architecture
- Semantic Web technology makes it easier to create a consistent reference models
- Excellent value for money
- "Correct" simulation
- Deep integration with the Microsoft Office product line:
- Word, Excel, PowerPoint, Project
- SharePoint

SemTalk SharePoint Site Builder

An easy-to-use Case Tool for SharePoint



- SemTalk WSS Builder allows the simple modeling of SharePoint lists in SemTalk
- Generation of Sites
- No XML changes or programming required
- No installation on server. 100% web services generated.
- All essential elements: Lists, Columns, Content types, Lookups, Views, Folders and Contents
- Transferable sites for WSS and SharePoint Portal
- Predefined Examples of Process Portals

SemTalk SharePoint Site Builder



Solution Manager - SiteBuilder - Internet Explorer

https://semtalk.sharepoint.com/solman/SitePages/SiteBuilder.aspx

Office 365 | Outlook | Calendar | People | Newsfeed | OneDrive | Sites | Admin | Christian Fillies

SiteBuilder

Home | Business Blueprint Process | SiteBuilder | Metamodel | Documents | SAPMasterData | SAPComponents | SAPTransactions | SAPProcessingType | SAPTransactionType | SAPOrgUnits | SAPTestCases | SAPDevelopments | SAPDevelopmentTypes | SAPTestCaseTypes | Recent | VDW | Support | XML | Site Contents

SiteDiagram1

SemTalk Site Builder helps you create and develop your SharePoint structures. SemTalk Site Builder is based on the established modeling platform SemTalk.

The creation of sites in Microsoft Office SharePoint can be very time intensive for complex sites: **Columns, views, folders, lookups and content types have to be defined.**

For complex sites or later on for simple sites also, the links between different SharePoint lists and relationships within these lists become pretty confusing:

The graphical representation of the structure within SharePoint is essential for the understanding and the maintainability of the site.

The migration of a site between different SharePoint instances is often a very complex task. **Using a graphical model, the same structure can be generated very easily in different sites.**

PAGE 1 OF 1

Overview



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SEMTATION COMPANY PROFILE

Short Profile



SEMTATION

- 20 years in the field of process modeling tool creation
- More than 1000 user models created with SemTalk
- Several 1000 SemTalk users
- Close development partnership with Microsoft (Microsoft Gold ISV Partner)

Select References:



Hamburg Port Authority



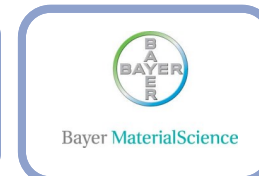
Datenzentrale Baden-Württemberg



Japan Tobacco International



Wirtschaftsministerium Brandenburg



Bayer MaterialScience



Vattenfall



Fielmann



Senatsverwaltung für Stadtentwicklung und Umwelt Berlin



Fachhochschule Kiel

Select Partner Applications



Due to its high extendibility and flexibility SemTalk is ideally suited for the implementation of specific counseling approaches as an OEM solution.

The UNITY logo consists of the word "UNITY" in a bold, blue, sans-serif font.

OMEGA Process Modeler (UNITY AG)

- OMEGA method process model developed by University of Paderborn
- Specification generation



Redmond Integrators GmbH

- Implementation of successful SharePoint-Projects



SemTalk for E-Government (KnowLog Solutions AG)

- Reference models and Product Catalogs



araneaNET GmbH

- ITIL-Based IT Service Management

The ConVista logo features the word "ConVista" in a white, sans-serif font, with a blue horizontal bar above the "V".

C-ENS (ConVista AG)

Custom method for reference modeling in SAP and Insurance Sector

The corak logo features the word "corak" in a bold, blue, sans-serif font, with a registered trademark symbol.

CORAK GmbH

- Process cost accounting

Conclusions



- SemTalk optimally supports the three key Process Success Disc TM success factors (Freedom of Notation, Modeling Consistency and Powerful Results).
- SemTalk uses the strength and distribution of Microsoft Visio and Microsoft SharePoint to produce first-class results and an optimum price / performance ratio.
- SemTalk is seamlessly integrated into the existing IT and portal landscapes and provides many feedback opportunities between IT and the business.
- SemTalk builds on the experience of more than 20 years in the field of process modeling tool development to deliver product excellence to its customers.

Would you like to try SemTalk?



Download a free 30 day trial version or make an appointment for an online presentation:

www.semtalk.com

If you do not have Microsoft Visio available, we will help you with a trial version of Visio as well.

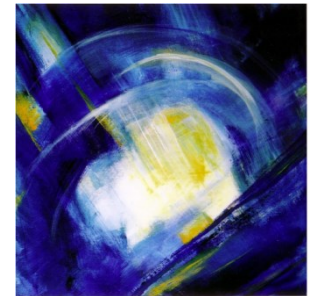
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