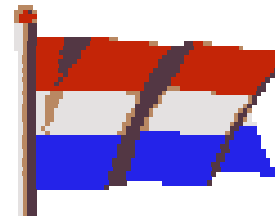




***Semansys***<sup>®</sup>  
CREATING VALUE FROM KNOWLEDGE

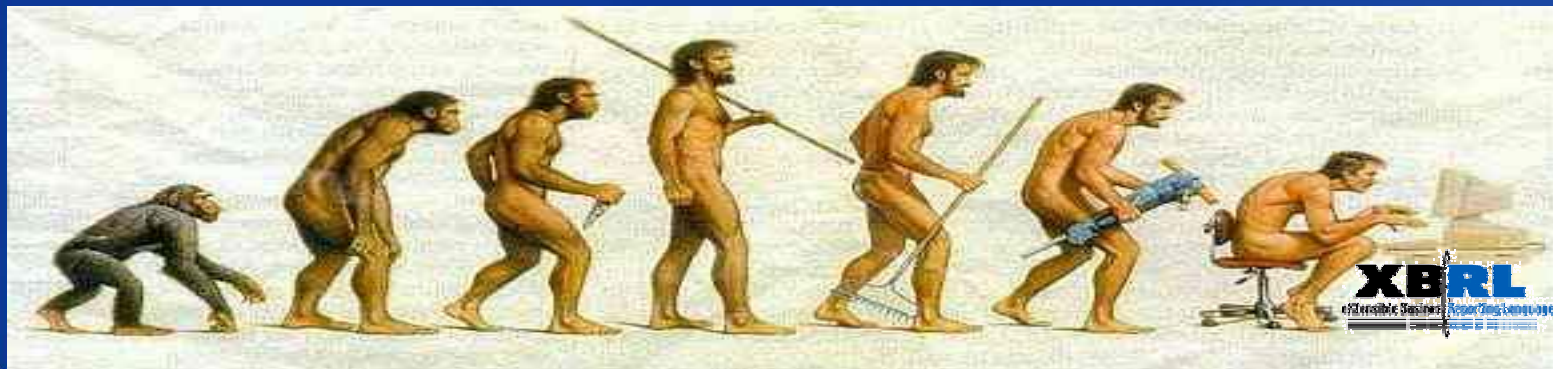
**SBR/XBRL  
Brisbane,  
November 2007**

**Paul Snijders**  
CEO Semansys Technologies  
Vice chair XBRL Netherlands  
Member Intl.Assurance Working group



Introduction

- **Introduction**
- XBRL propositions for vendors
- Implementation scenarios



Introduction

## Background

Decision Support  
Management Information  
Financial Consolidation  
Business Intelligence  
Data warehousing

# XBRL

Ignore ?



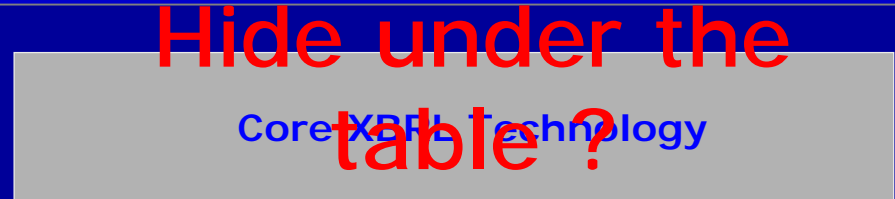
Wait until it  
blows over ?



Pretend it does  
not exist ?



Hide under the  
table ?



# Semansys product line

Introduction

**XBRL WebServices**

taxonomy**Builder**

enterprise**Manager**

business**Analyzer**

Business  
Transactions

General  
Ledger

Management  
Reporting

External  
Reporting

Processing

Analysis

**XBRL Component**

**XBRL Reporter**

**XBRL Composer**

**XBRL Integrator**

Introduction

- Introduction

Proposition

- **XBRL proposition for vendors**

- Implementation scenarios

- Call for action

# What is XBRL for us

Introduction

Proposition

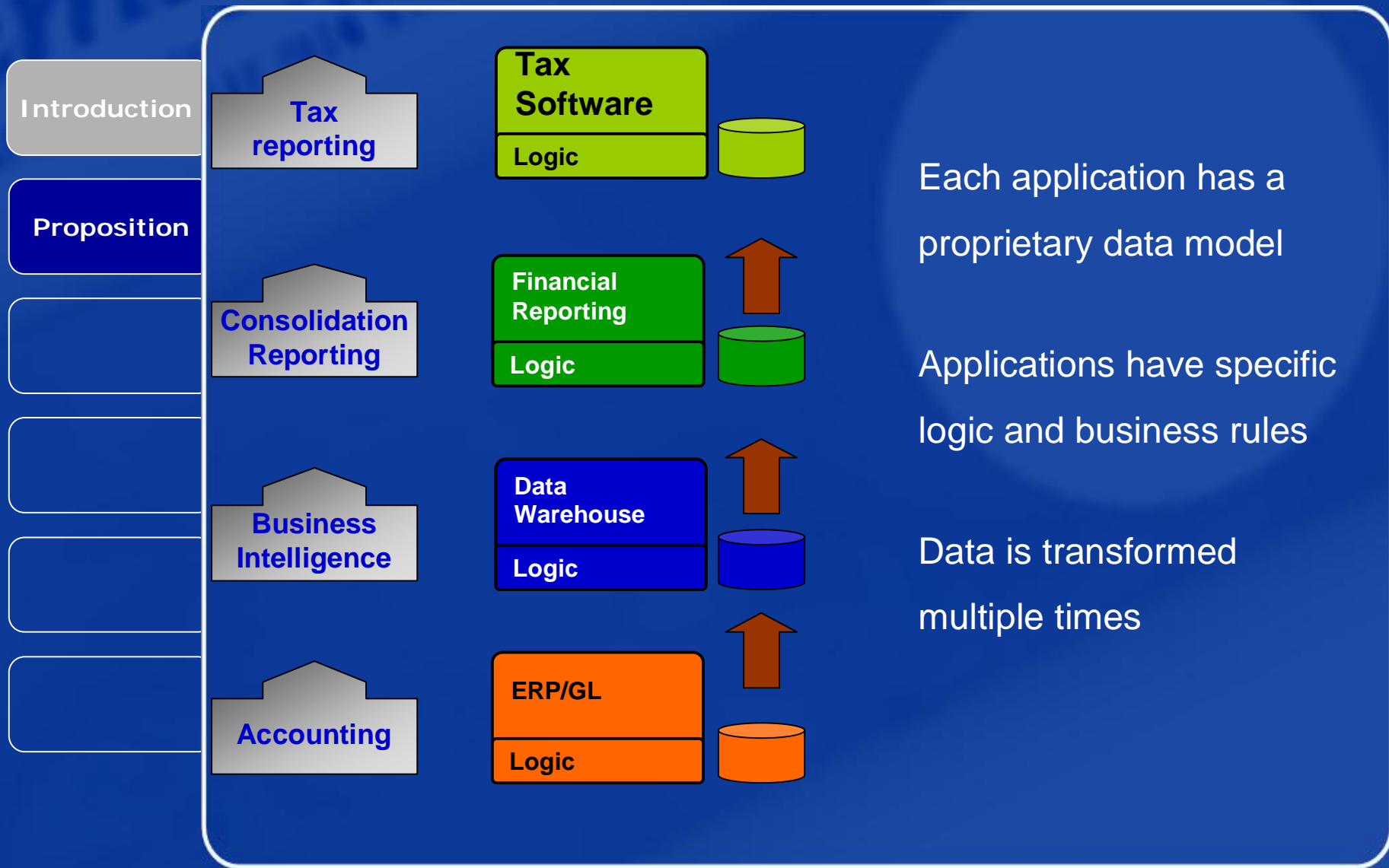
- XBRL with software eyes
  - XBRL and financial applications
  - XBRL and reporting software
  - XBRL and ETL vendors (Extract Transform Load)
  - XBRL and consolidation vendors
  - XBRL and Business Intelligence

## **XBRL throughout the reporting chain**

### **Key for software vendors:**

- XBRL Concepts
- Implementation strategy

# Current product stack



Introduction

Proposition

## XBRL is standardization and externalization

### Externalization of:

Export formats

Data definitions

plus Labels, references and languages

Multiple data models

Hierarchical, dimensional and relational

Reporting rules

Validation rules

Business rules



### Impact on:

Exports, Queries

Data Dictionary

Application data model

RDMB, Cubes

Reporting software

Application logic

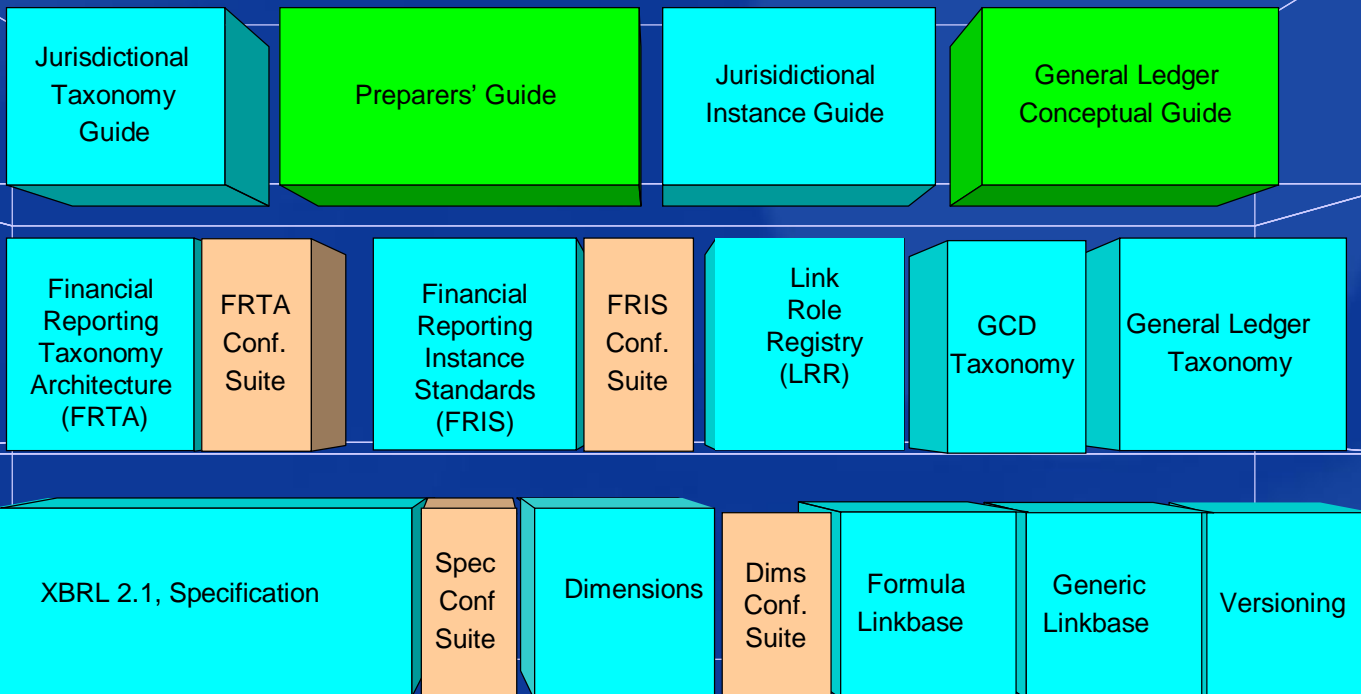
Business Logic

# XBRL material to explore

## Comple set of deliverables

Introduction

Proposition



- 1000 pages specification and supporting material
- 100 MB conformance suite test material
- Over 700 conformance suite tests

Introduction

- Introduction

Proposition

- XBRL propositions for vendors

Strategies

- **Implementation scenarios**

- Call for action

Introduction

## What can a software company do?

Proposition

**DO NOTHING !**

*Smart?*

Your competitors will !

Customers will ask for it !

Maybe: Comply or die ! !

Strategies

**XBRL Export**

*Easy!*

Minimal investment !

Satisfied customers

**XBRL Products**

*Business!*

Extended offering

New markets

New business opportunities

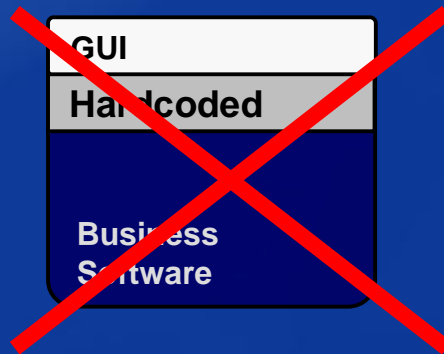
Introduction

Proposition

Strategies

Make

## Make : **Hardcode**



One time solution

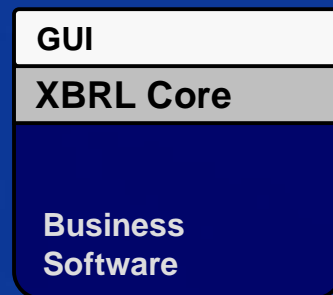
What to do to with new taxonomies?

No other functionalitites

Doable costs for the short time

Oops, BTW it works for e.g. V.A.T.

## Make : **Generic XBRL**



Generic solution

Taxonomy independend

Your own team of developers

Major investment/time consuming

Introduction

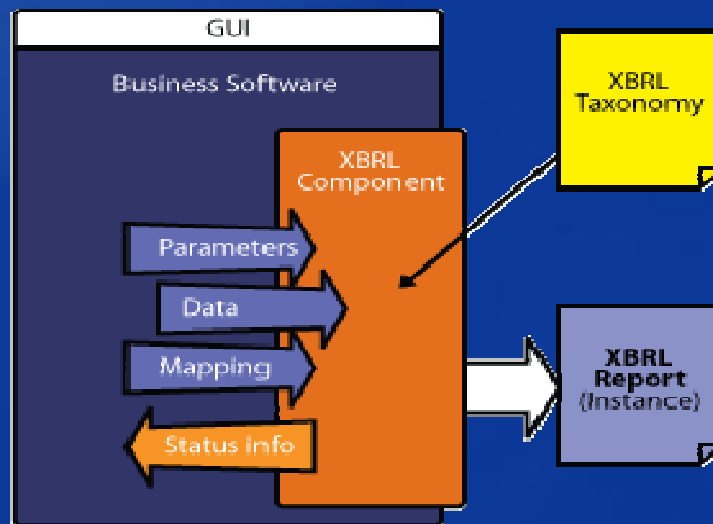
Proposition

Strategies

Make

Component

## Integrate existing component



**XBRL Component**

- Any taxonomy
- Your own data
- Tightly integrated
- Generic solution
- Fully controlled

## Advantages

Instant solution  
Minimal investment?  
Tightly integrated  
Short learning time

Introduction

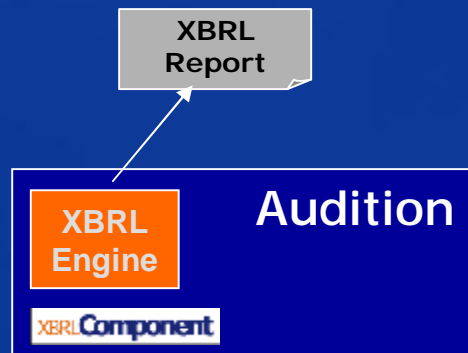
- 326 Mio Euro
- Stock quated
- European top 10
- Market leader in Accountancy NL

Proposition

Strategies

Make

Component



# Use Reporting Module

Introduction

Proposition

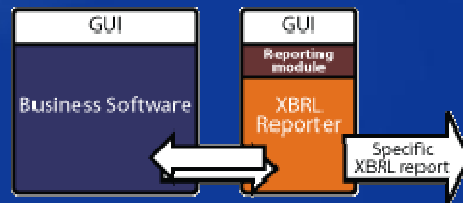
Strategies

Make

Component

Module

## XBRL Reporting Module



- All XBRL reporting
- Flexible
- Any data import
- Customizable

**XBRLReporter**

## Advantages

Easy to use

NO investment?

NO change of legacy app.

Standard product

Introduction

Proposition

Strategies

Make

Component

Module

## 1. Single button



User want to review the result before sending over the the regulators

Now:

1. Make report
2. Display/print review
3. Publish

## 2. Explain XBRL

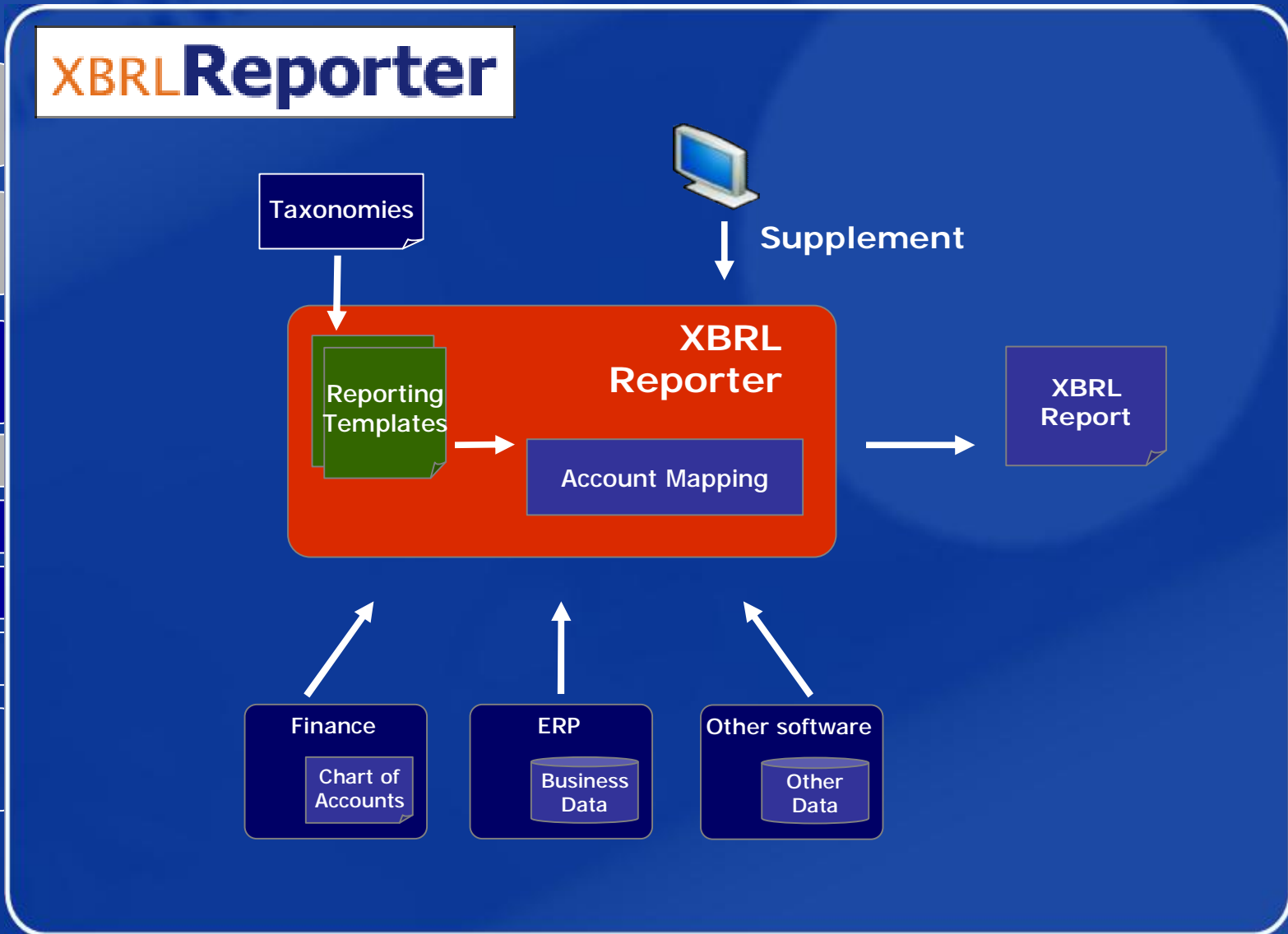
User do not want to know the TTS

Keep XBRL under the hood

## 3. Overhype XBRL

For users XBRL is just another reporting format

- Introduction
- Proposition
- Strategies**
- Make
- Component
- Module
- 
- 





Introduction

- Coda (GL 100mio+)
- IBS (ERP 300mio ERP)
- SAP (via Getronics)
- Cartesis (SAP-BO BPM company)



Proposition



Strategies

- Microsoft (I'm sure you have heard of them)

Make

Component

Module



Press release

Microsoft Dynamics features XBRL by Semansys  
Users of Microsoft Dynamics comply with reporting requirements through XBRL functionality by technology leader Semansys Technologies.

Vancouver, December 2007 Microsoft Nederland and Semansys Technologies, a leading vendor of software solutions for financial reporting and XBRL, have engaged in a partnership to offer XBRL functionality to users of Microsoft Dynamics. This will allow users of Microsoft Dynamics to effectively and efficiently meet reporting requirements involving the global standard XBRL. In most countries in Europe and Asia, regulators, tax authorities, statistics agencies and banks are asking companies to report in this standard. The solutions provided by Semansys and Microsoft in this global partnership are tuned to address the local needs of companies in all countries where XBRL is used. The Semansys XBRL solutions for Dynamics users are distributed through the reseller network of Microsoft Dynamics.

Introduction

Proposition

Strategies

Make

Component

Module

Webservices

## Utilize web services

### XBRL WebServices

Upload  
Submit system

Online XBRL  
Benchmarking

XBRL  
Report

Validation

Taxonomy  
Viewing

Web

GL

ERP

Other

- All XBRL reporting
- Generic services
- State of the art

## Advantages

Instantly available

NO investment?

NO change of legacy app.

Standard

Introduction

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Strategies

Make

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Webservices

## Example : Online Taxonomy Viewer

The screenshot displays the Semansys Taxonomy Viewer interface within a Windows Internet Explorer browser window. The browser address bar shows the URL `http://localhost/KB/Online/Taxonomy/View.aspx`. The application header includes the title "Semansys Taxonomy Viewer" and navigation links for "Home", "Admin", and "Contacts". Below the header, there are links for "Admin" and "Log Out", and a breadcrumb trail: "Semansys Home > Taxonomy Viewer > ABEL Analyzer".

The main content area is titled "taxonomyViewer" and displays a hierarchical tree structure for the taxonomic element "Income Statement" (ID: 1000-2007-01-01-0001). The tree is organized into two columns: "Presentation" and "Calculation".

- Presentation:**
  - Income Statement
    - Verlies- en Winstbalans
    - Bedrijfsresultaat
    - Overige Inkomsten
      - Ontvangen Interest
      - Ontvangen Dividend
      - Totaal Overige Inkomsten
    - Winst Voor Interest en Belasting
    - Te Betalen Interest
    - Netto Winst Voor Belasting
    - Te Betalen Belasting
    - Netto Winst Na Belasting
    - Uitgekeerde Dividend
    - Winst
- Calculation:**
  - Additional Information
    - Extra Informatie
  - Balance Sheet
  - Balans

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Module

Webservices

- **Call for action**

Conclusion

# XBRL and Applications

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Strategies

Make

Component

Module

Webservices

Conclusion

1. Producing XBRL
2. Importing XBRL
3. XBRL validation
4. Applications embedding XBRL data models
5. Reporting tools based on XBRL
6. Embedded XBRL Formulas
7. XBRL data warehouses
8. XBRL Business Intelligence
9. Exporting XBRL GL
10. Importing XBRL GL
11. XBRL specific Databases

Introduction

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Strategies

Make

Component

Module

Webservices

Conclusion

1. Start simple
2. Provide basic XBRL output
3. Make use of XBRL functionalities
4. Enhance with validation options
5. Provide taxonomy building options
6. Support XBRL GL
7. Support all other interesting XBRL stuff  
Formulas, functions, dimensions, Conformance suite
8. Embed XBRL data concepts in your application

# XBRL and Applications

Software strategies  
Implementing XBRL

Introduction

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Strategie

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Webservices

Conclusion



EDP Audit report on  
XBRL implementation  
Netherlands

Introduction

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Module

Webservices

**Conclusion**

*The problem with doing nothing is  
you never know when you are finished.*

George Washington



**But....:**  
Don't invent the wheel  
again,  
sometimes that does not  
help.

***Semansys***<sup>®</sup>

CREATING VALUE FROM KNOWLEDGE

[paul.snijders@semansys.com](mailto:paul.snijders@semansys.com)

Take a look at these photos.....

Also, in case you're wondering where this hotel is, it isn't a hotel at all.

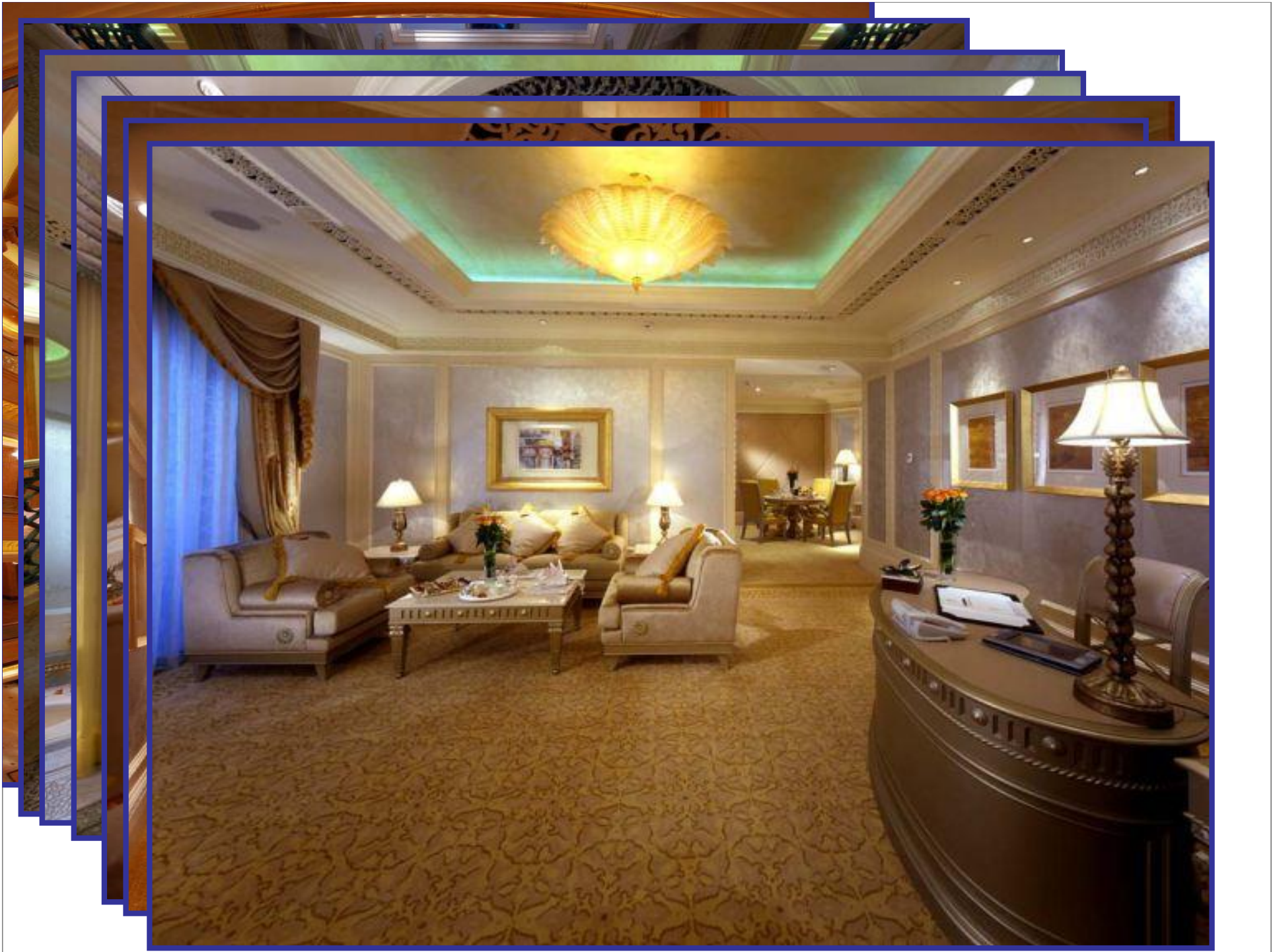
***It is a house!***

It's owned by the family of Sheikh Zayed bin Sultan Al Nahyan, the former president of the *United Arab Emirates* and ruler of Abu-Dhabi.













The Audi A8 in SILVER  
was made for a sheik....

IT IS NOT SILVER in  
COLOR,

IT IS MADE out of  
SILVER!!!!



Amazing what  
\$2.75 US a gallon  
gas can buy,  
isn't it?

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STANDARD BUSINESS REPORTING

**SBR/XBRL**

INTERNATIONAL CONFERENCE

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27 - 28 NOVEMBER 2007

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