

Business Process Modeling

Introduction to ARIS Methodolgy

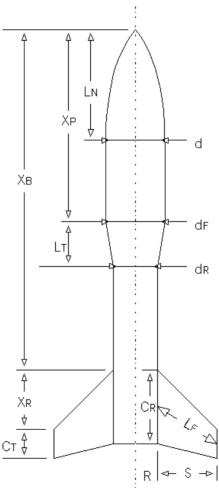
Agenda

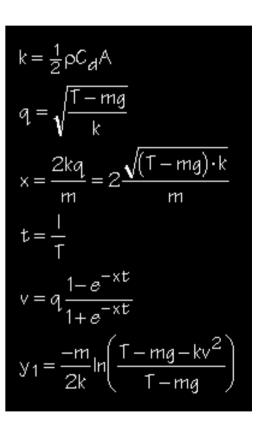
- What's in modeling?
- Situation today
- Objectives of Process Management
- ARIS Framework and methods
- ARIS suite of products
- Live demo



Example of models









Why do we need models?

Visualization

- Visualize final situation
- Show relationships between "objects"

Complexity management

- Focus on one aspect at a time
- Reuse patterns/objects

Communication

- Standard symbols
- Go in details









What's in business process modeling?

- Business models are excellent communication devices
- Business professionals can model alternatives before committing
- Business models are key element for designing physical IT architectures
- Closing the communication gap between IT and business



Business Process model address important issues

- How Does It All Fit Together?
- Will It Work?
- What Do We Need?
- How Do We Do It?
- Who Can Do It?
- How Important Is It?
- Where Does It Go?
- Who's Overloaded?
- How Did We Do?

- Models Process Interrelationships
- Simulates Alternative Realities
- Provides Resource Requirements
- Externalizes Rules and Flow from IT
- Defines Roles
- Defines Priorities
- Intelligently Routes Work
- Balances Queues
- Provides Workflow Statistics

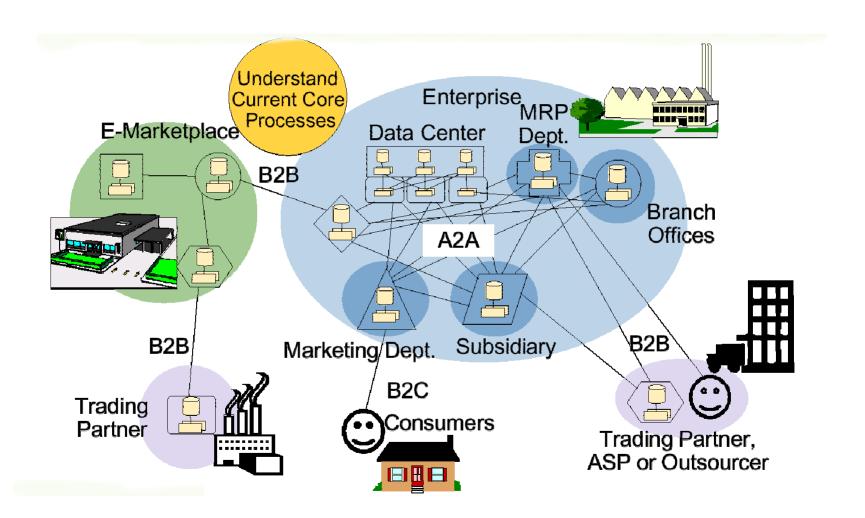


Situation today

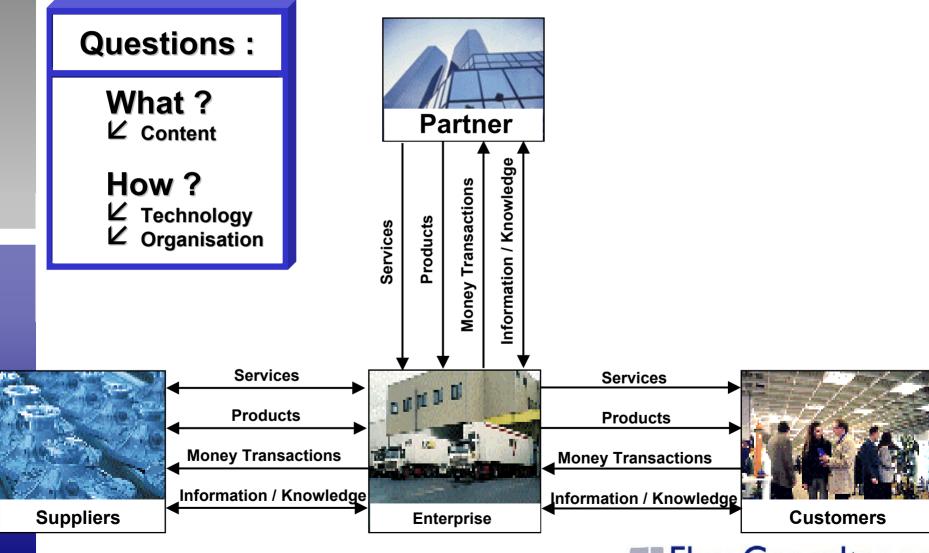
- Economical situation: back to the basics
 - Globalisation
 - Cost reduction
 - Merge/Acquisition
 - Performance
- IT situation
 - Decentralized/centralized
 - Web services/BPML
 - Integration
 - Multiple platform



Business Process complexity is increasing



How well do we know our processes?

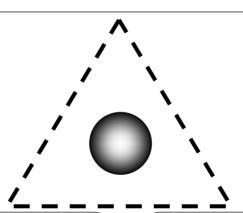


Objectives of Business Process Management



Quality

- Aligning added-value with the client's interests
- Lowering the incidence of mistakes





Costs

- Avoidance of nonproductive activities
- Optimize resources usage



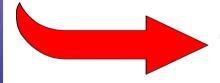
Time

- Reduction of waiting times
- Reduce delivery time
- Time to market



Objectives of Business Process Management

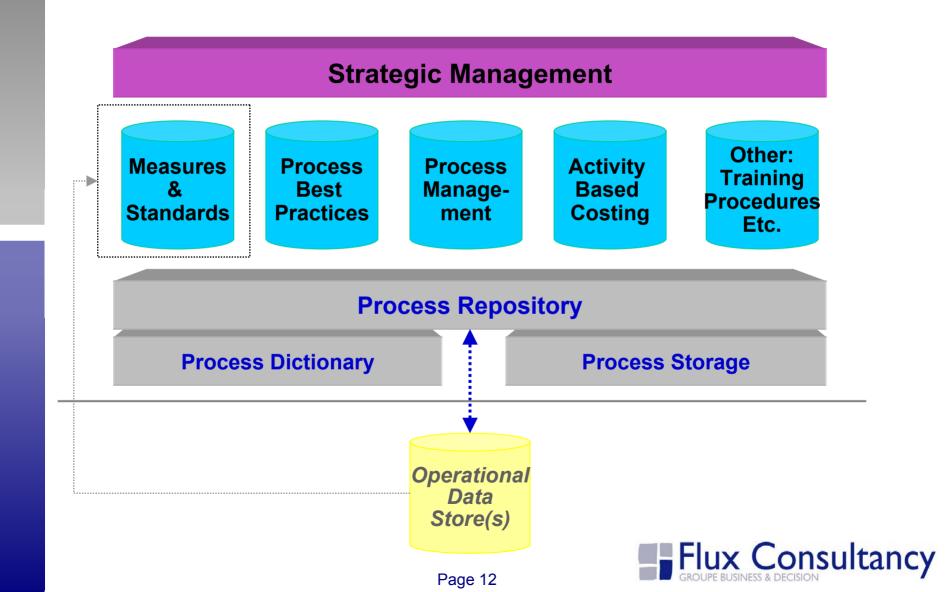
- Description of the business processes, business data...
- Modeling of business processes beyond functional boundaries and company boundaries
- Revealing weak points in existing organisational and process structure
- Clear definition of responsibilities



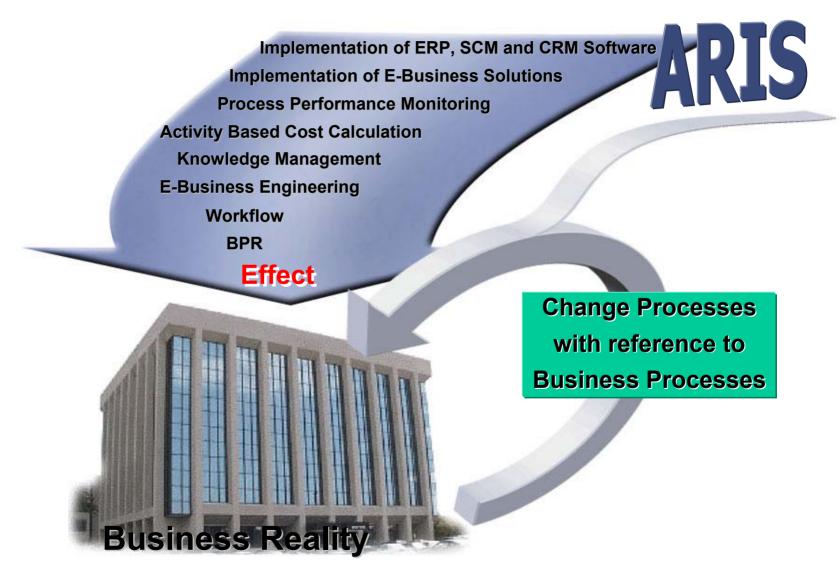
Transparency of business processes



The Process Repository foundation

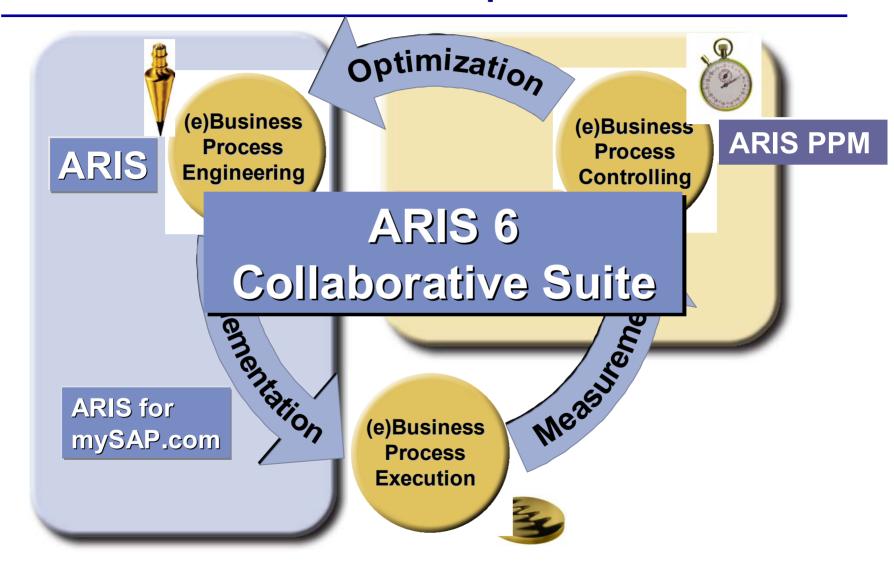


Companies In Transition



J

The vision for continuous improvements





Methodology & tools



- A modeling tool is more than a drawing tool
 - Aris is a framework for describing company structures, processes and business application systems
 - Aris is process oriented and allows business process design, analysis implementation and optimization.



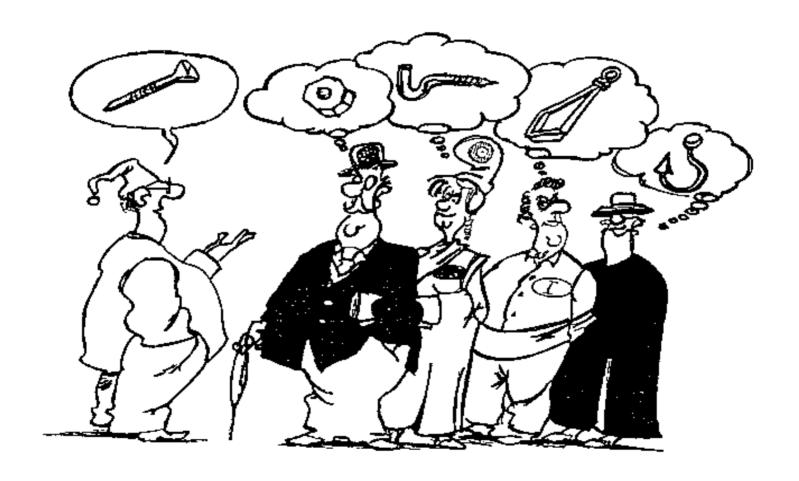
What is a business Processes

A few definitions:

- A business process is a collection of activities that takes one or more kinds of input and creates an output that is of value to the customer [Hammer and Champy 1993].
- Processes represent the flow of work and information throughout the business [BOMSIG 1995]

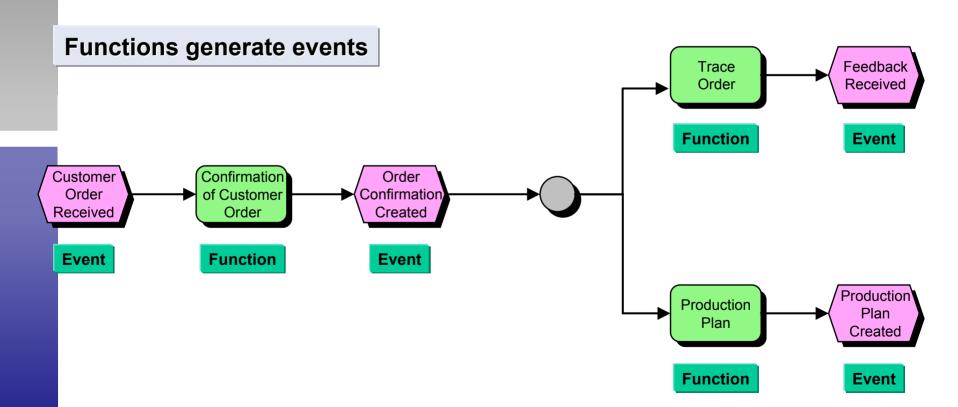


Disadvantages of non-standardized language

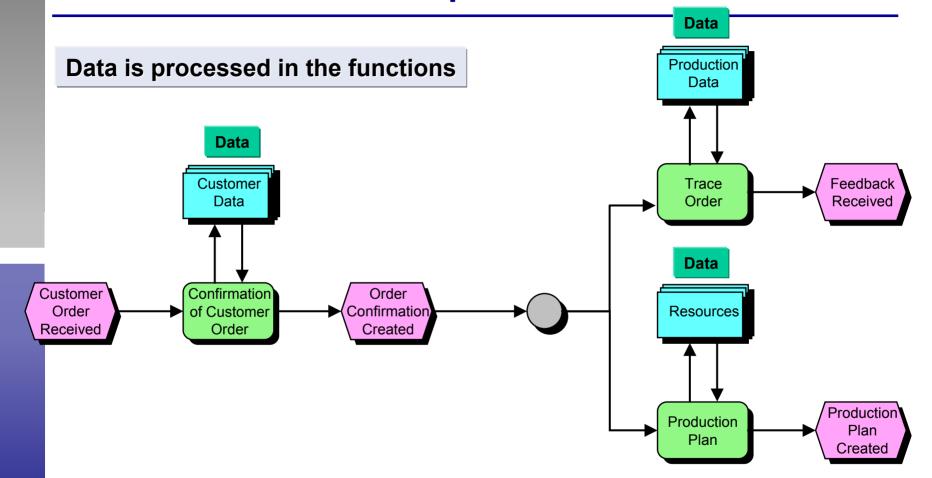




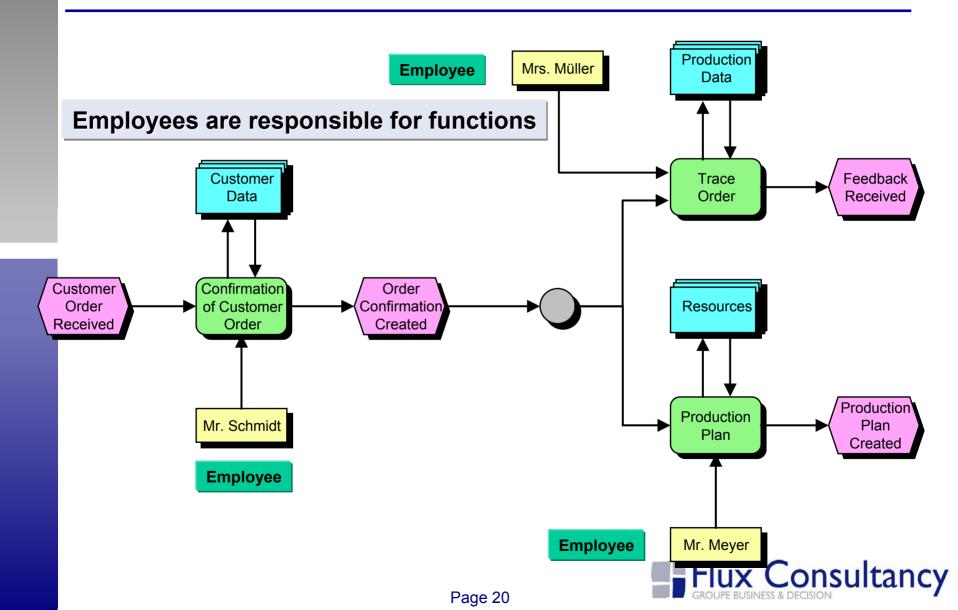
Events trigger functions

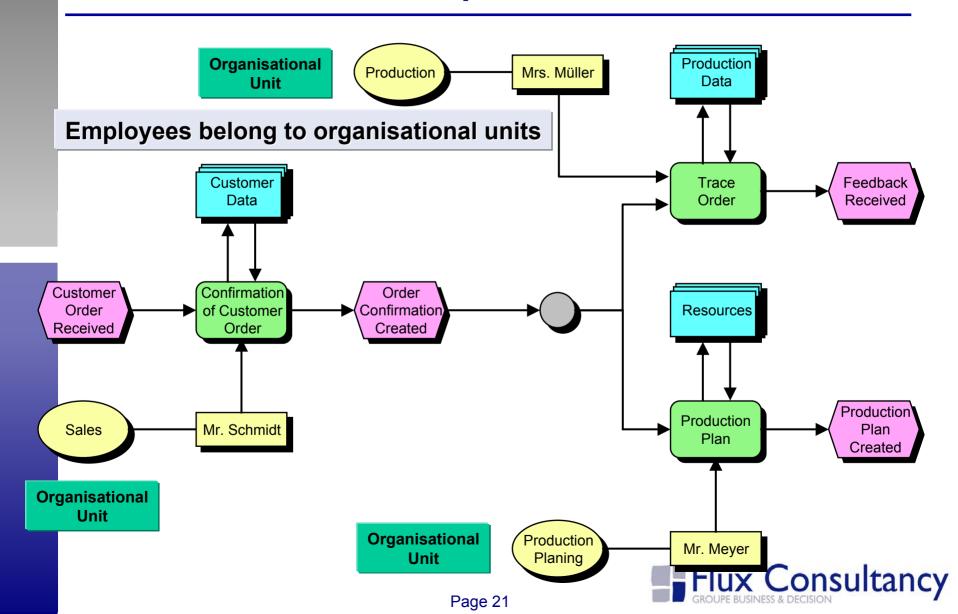


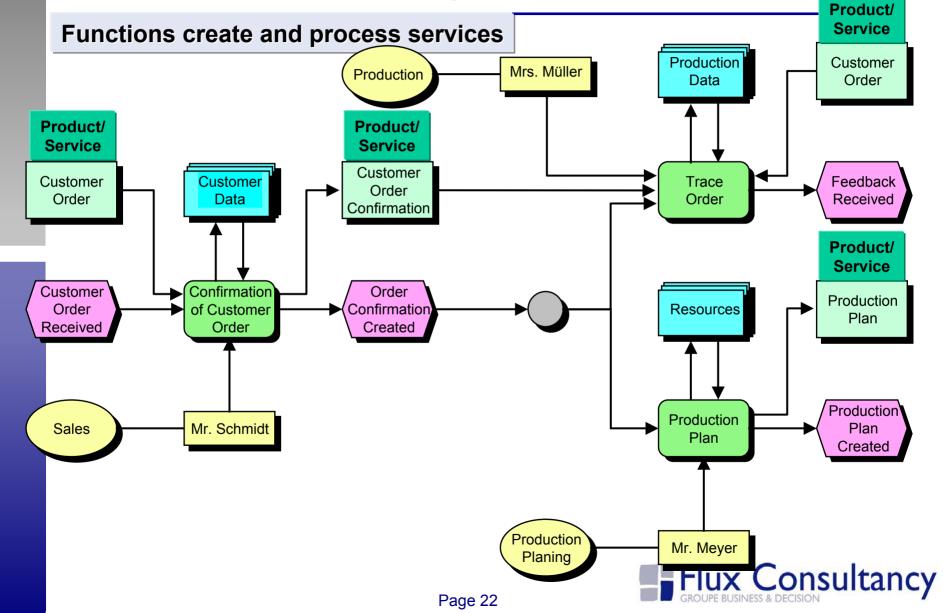




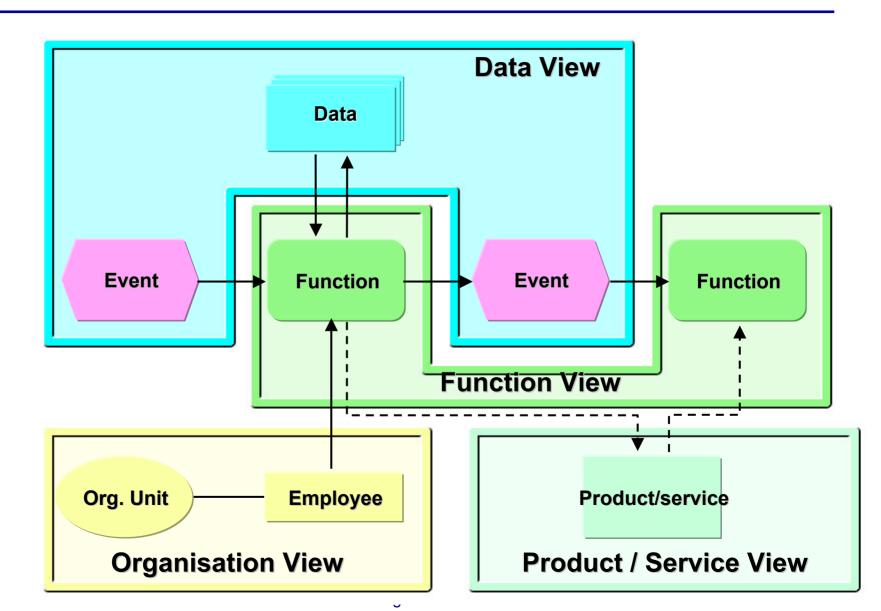






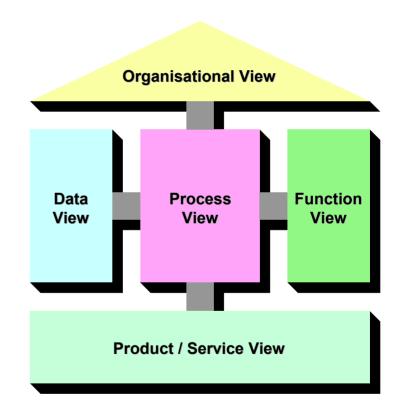


Reduction in Complexity via View Formation

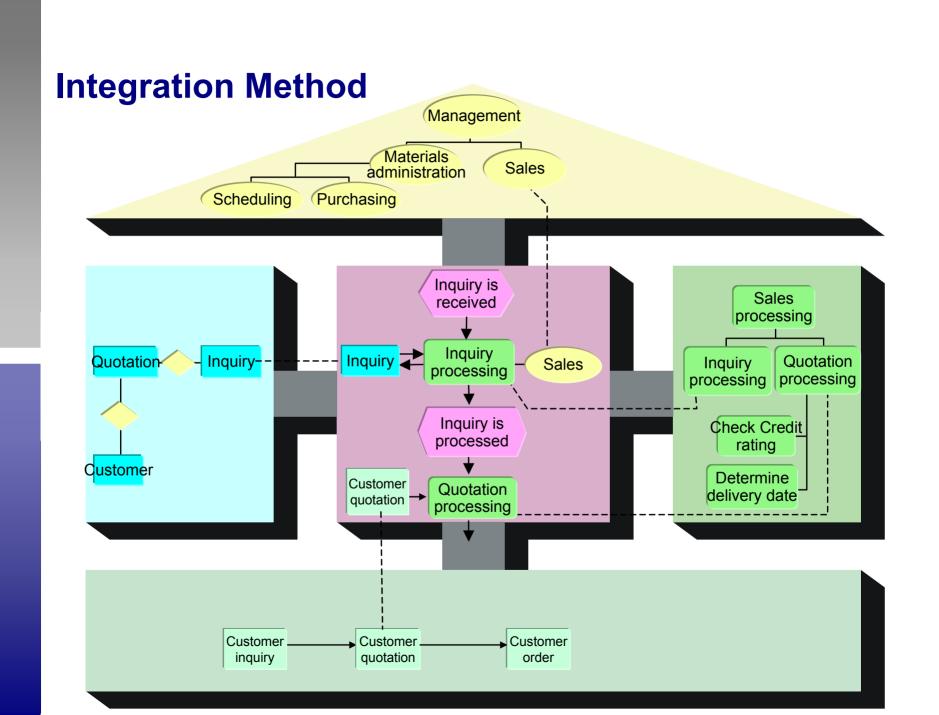


ARIS Views

- Data View
 What information is important?
 (ie.: Customer, Supplier, Product, Material Calculation)
- Function View
 Which functions will be performed?
 (ie.: Production Plan Creation, Order Processing)
- Organization View
 Which organizational units exist?
 (ie.: Purchasing, Sales, Accounts)
- Process View
 The relationship between data,
 functions and organizational units
- Product/Service View
 Which products/services are important?
 (ie.: checked order, customer invoice)

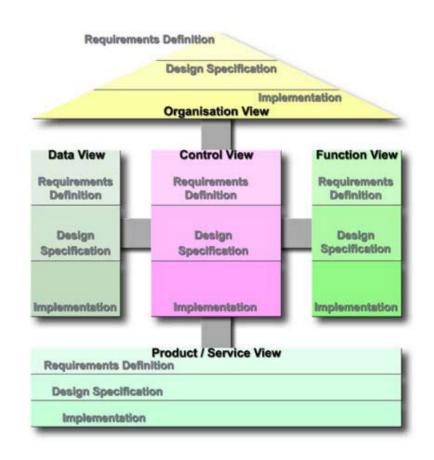






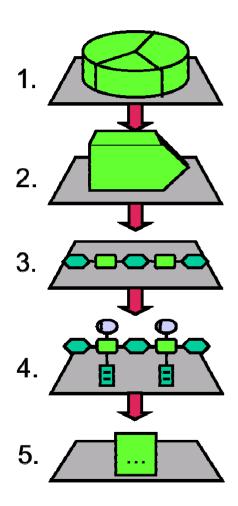
ARIS leading the way towards Business Process Management

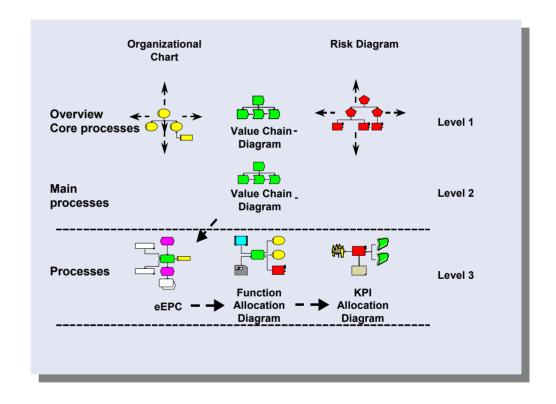
- ► ARIS = Architecture of Integrated Information Systems
- ► Framework concept to describe companies and application software
- ▶ Developed by Prof. Dr. A.-W. Scheer
- Uses standard modeling methods
- Concentrates on the business process
- ▶ Effective in all areas: independent of the number of departments, the size of the company or the available software





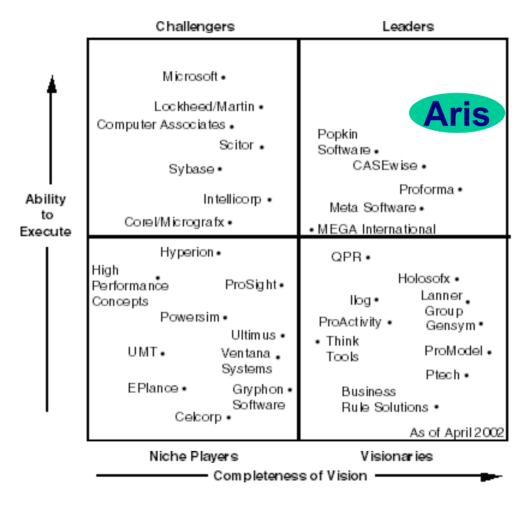
ARIS Drill down possibilities







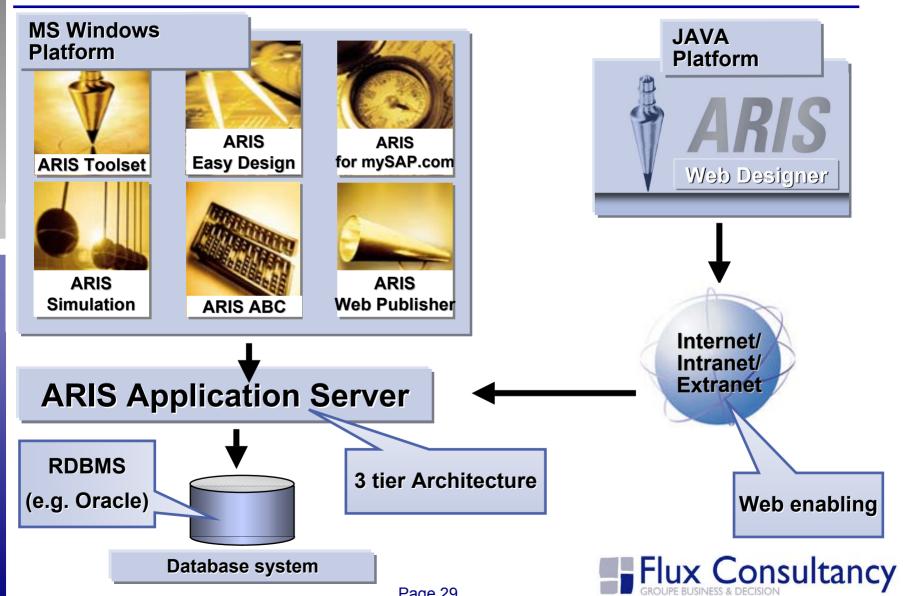
Why ARIS? Gartner Research April 2002



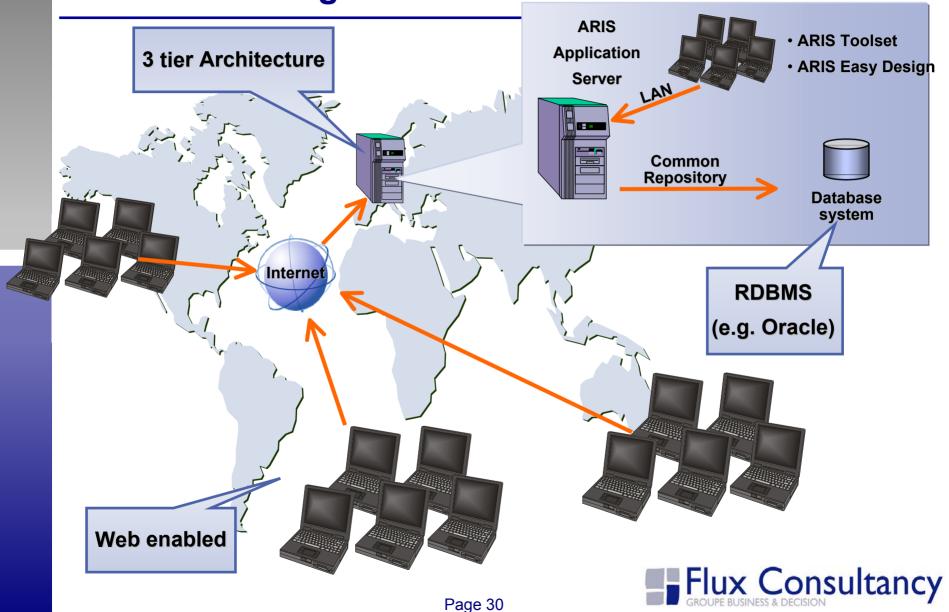
► ARIS extends its position as "the far and away leader in the BPR tool market" (Gartner Group)

■ Flux Consultancy

Architecture of ARIS



ARIS Web Designer - Scenario



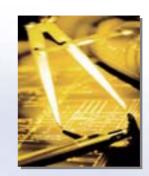
ARIS 6 - Collaborative Suite



ARIS Web Designer



ARIS Toolset



ARIS Easy Design



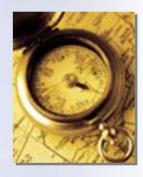
ARIS PPM



ARIS Web Publisher



ARIS BSC



ARIS for mySAP.com



ARIS ABC



ARIS Simulation

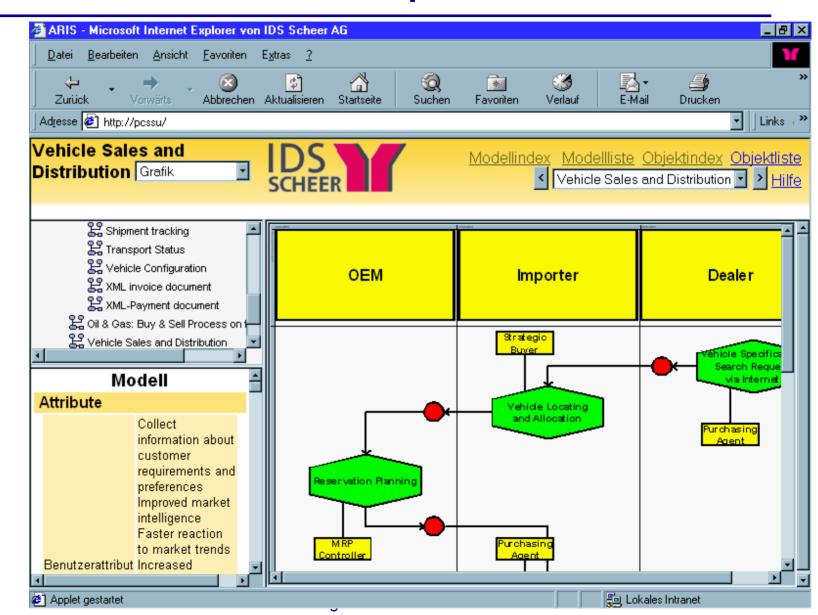


QM Scout



SAP RBE Scout

ARIS Web Publisher: Online process documents

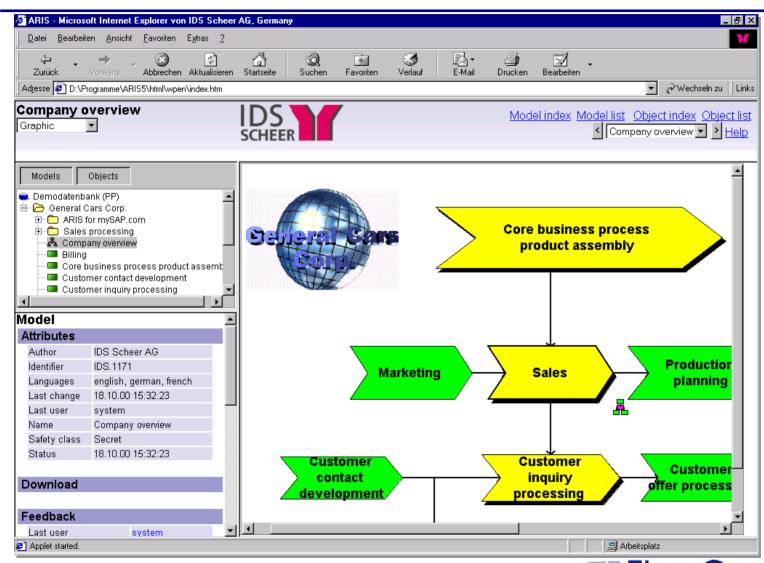


ARIS Web Publisher

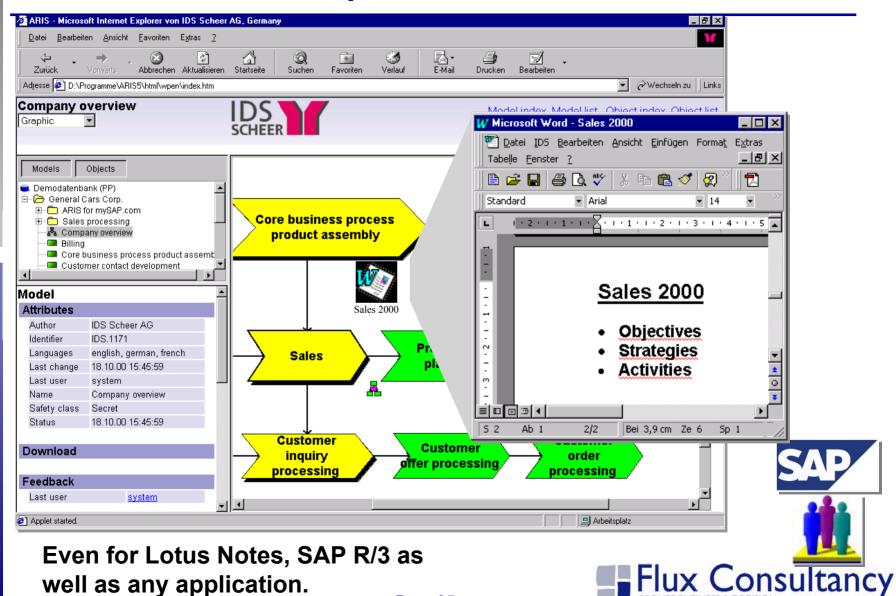
- Role based access for a working knowledge management
- Fast, worldwide communication of your business processes via the Internet or Intranet
- Web based user interface for quick comprehension and employee acceptance
- Overcomes constraints in terms of time and space regarding information distribution
- Paperless rollout of business process documentation
- Fast, clear implementation of new processes



ARIS Web Publisher

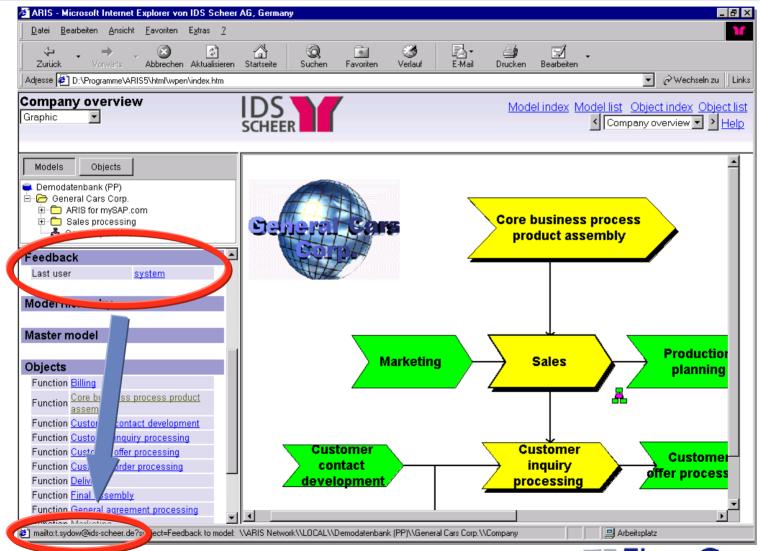


Direct access on important documents

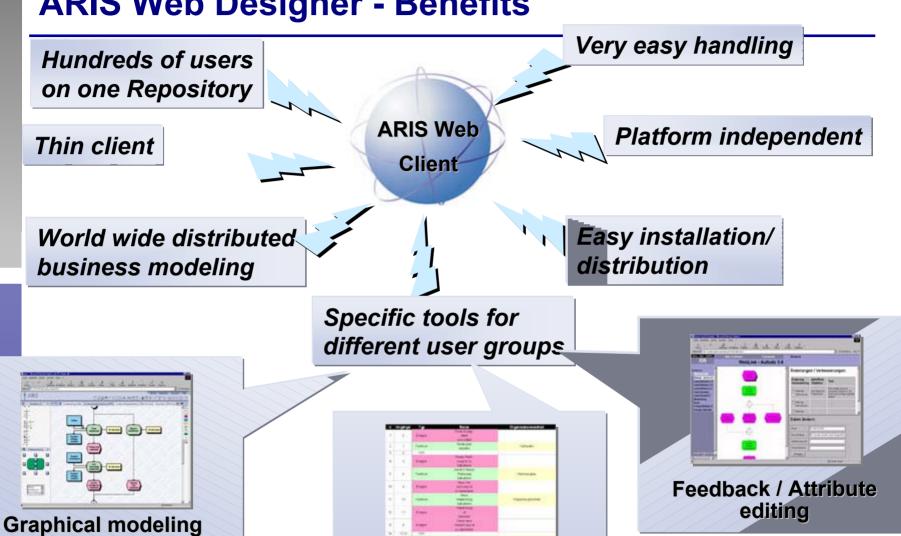


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Fast feedback to the right adress



ARIS Web Designer - Benefits

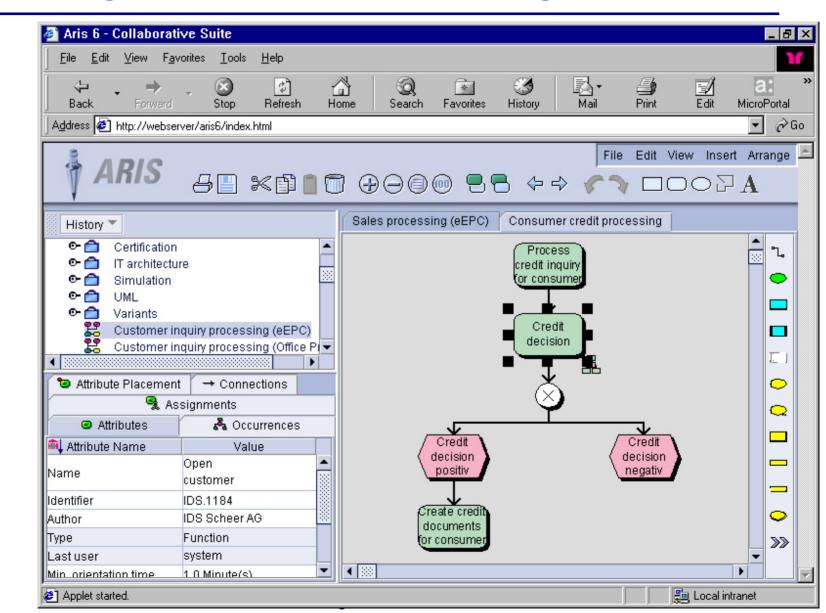


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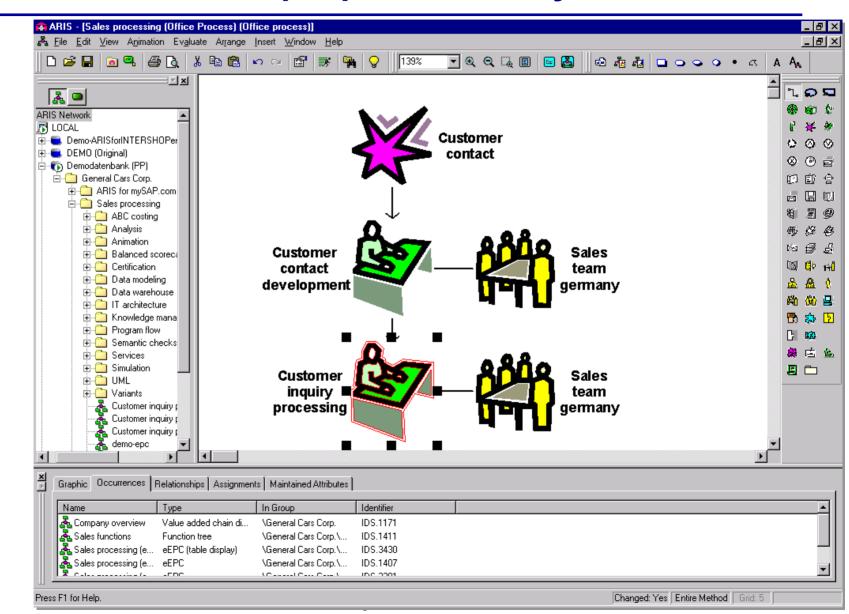
Table modeling

Flux Consultancy

Web Designer: Web Based modeling tool



ARIS Toolset: Unique process analysis tool



Graphical Analysis Functions

