

A collection of historical artifacts is arranged on a light-colored surface. On the left, a portion of a chessboard with a checkered pattern and several chess pieces is visible. Next to it are two ornate medals: one with a red ribbon and a white star, and another with a blue ribbon and a white star. A silver compass with a black face and white markings is positioned at the bottom left. A quill pen with a red-tipped nib lies horizontally across the center. The background is a plain, light-colored wall.

# Documents Evolutionized

Dynamic Document  
Composition &  
Semantic Principles



# Short History of Documents

- ◆ Oral Tradition
- ◆ Paper Documents
- ◆ Digital Documents
- ◆ Transitory Documents!

# The Bottom Line

- ◆ Single entity, indivisible documents are to become outdated.
- ◆ Multi entity, composite documents will be leading.





# What Drives This Evolution

- ◆ Semantic principles that counter the limitations of hierarchical and relational structures.
- ◆ Web technology
- ◆ Dynamic Document Composition  
(Distributed, context-related building blocks)
- ◆ Multi channel, multi format requirements



# How Does It Work?

The core principles are:

- ◆ **Dynamic Documents**

- Atomic Information Units
- Action Based Existence
- Distributed Information Lifecycle
- Device and Channel Specific Document Format

- ◆ **Semantic Principles**

- Semantic Information Organization
- Semantic Information Navigation



# In Practice: Document Man.

- ◆ Efficient reuse of content →
- ◆ Enhanced security
- ◆ Dynamic composition, based on semantic, intuitive usage



# In Practice: Knowledge Man.

- ◆ AIU's allow for highly targeted knowledge bits
- ◆ AIU's can be linked to people

# In Practice: Workflow Man.

- ◆ Tasks can be assigned to specific parts of a document
- ◆ Documents can be composed of different time boxes





# The Ultimate Integration

- ◆ There's a seamless connection between AIU's and semantics
- ◆ DM, WM and KM operate on exactly the same components and processes
- ◆ Span of control can be extended across the 3 disciplines



# The Benefits

- ◆ Improved performance
- ◆ Enhanced security options
- ◆ Intuitive GUI
- ◆ Steerable Corporate Intelligence
- ◆ Multi channel, multi format, multi platform
- ◆ Context and process awareness
- ◆ Reuse and automatic maintenance

# The Challenges

- ◆ Explain the concepts
- ◆ Transform benefits into practicable methods
- ◆ Convince deciders of the inevitability of this development and the necessity of an early adoption





# Strategy

- ◆ Develop and execute a detailed roadmap towards a new architecture which should be realized within 1 year
- ◆ Parallel to the roadmap an educational PR-campaign should be started
- ◆ Redefine client processes



# Strategic Implementation Plan

- ◆ Define the desired situation
- ◆ Create a roadmap towards that situation
- ◆ Define targets and milestones
- ◆ Allocate resources and roles
- ◆ Start project

A collection of military medals and a compass on a wooden surface. The medals include a red ribbon with a circular emblem, a blue ribbon with a circular emblem, and two silver Maltese crosses with central emblems. A pair of gold-rimmed glasses and a thin metal rod with red tips are also visible. A circular compass is in the bottom left corner.

The evolution of  
documents is clear.

The choice is simple.

be a leader or  
a follower.