



Enterprise Architecture Management

IT with a Sporty Edge

AUDI AG

AUDI AG is a subsidiary of the Volkswagen Group and is one of the leading automotive manufacturers on the world stage. In 2006, the Ingolstadt-based company posted revenue of EUR 31.1 billion, employed some 52,000 members of staff at seven locations and produced 905,188 vehicles. The brand behind the four rings is known for its sporty vehicles featuring innovative, high quality technology.

▶ www.audi.de

The Volkswagen Group is turning to standardized IT architecture management. Audi, the sporty brand within the Volkswagen Group, is putting the pedal to the metal to hold pole position in the fast-moving automotive market. This is the background to the introduction at Audi of a tool-supported IT architecture management system based on the ARIS Platform. The harmonized IT landscape will keep Audi in the fast lane: reference architectures and modules are reused and can thus significantly reduce the duration of projects – meaning that the company runs more productively and cost effectively. The process-oriented IT architecture solution is being rolled out across the board at the Volkswagen Group in a gradual process.

Business Challenges

- ▶ To implement a standardized solution for Enterprise Architecture Management throughout the Group as a whole
- ▶ To optimize and increase the transparency of the interrelationships between IT strategy, IT technology and business processes
- ▶ To align the IT landscape to the needs of operational business

Solution

- ▶ The existing systems were analyzed, harmonized and standardized as well as being reduced in number
- ▶ Development plans create transparency in the interrelationships between business processes, organizational units and application systems
- ▶ Architectural components allow reference architectures, modules and methods to be reused

Benefits

- ▶ Increased productivity as a result of reusing standardized architectural modules
- ▶ Cost savings through optimized and shorter operational processes, shorter project durations and less need for external resources

ARIS Platform Products

- ▶ ARIS IT Architect
- ▶ ARIS IT Designer
- ▶ ARIS Business Publisher



"We introduced a Group-wide architecture management system as a means of retaining our competitive position. The holistic approach of the ARIS Platform solution and IDS Scheer's expertise in the field of Enterprise Architecture meant guaranteed success."

Audi AG



Business Challenges

Audi has a heterogeneous IT landscape with more than 3000 applications, some of which have been developed in house. The automotive manufacturer is introducing a standardized, process-supported IT architecture management solution with the aim of managing IT more efficiently and lowering costs. The objective is to make interrelationships between IT strategy, technology and business processes transparent and assessable. Audi is planning to use standards, a development plan and consolidations to stabilize and optimize IT operations. An integrated IT architecture management solution will map the connections between value-adding business processes and architecture components, enable IT component maintenance and depict the dependencies between the application systems. The integrated information is to come into play for the first time during planning for the successor to the Audi A4.

Solution

The automotive manufacturer has been using ARIS to model its business processes for over ten years now and also uses solutions from IDS Scheer in the company-wide PFITA method for analyzing and optimizing business processes. PFITA is a consultancy aid for gaining an overall picture of processes, functions, information and applications. To ensure optimum usage of the synergies with the existing ARIS process management solutions, the IT architecture management system was also installed on the ARIS Platform in a process-oriented manner based.

Audi began by drawing up specifications. The functional requirements were implemented by way of a three-stage plan. At the same time, the project team developed a role concept to ensure that the content of IT architecture management could be maintained and presented according to role. Role-based training and integration of the project work is to follow the rollout at Audi.

ARIS Platform Products

Over 3,000 IT systems are being categorized in order to harmonize and standardize the fragmented IT landscape. This task is being performed by ARIS IT Architect, a solution developed in close cooperation with the Volkswagen Group and the Audi AG. The software supports all the necessary strategic planning processes for establishing and maintaining an Enterprise Architecture. The first task at Audi was to use ARIS IT Architect and ARIS IT Designer to document and analyze the existing landscape. ARIS IT Architect was also used to design the target architecture, which is aligned with the business processes and IT. ARIS Business Publisher ensures communication of IT content throughout the entire Volkswagen Group and serves as a data input environment for system specifications for a total of 4,000 application managers.

Customer Benefits

Analyzing the existing architecture enabled the project team to identify redundancies within the technical IT architecture and business support. Audi is gradually removing unnecessary application systems. This increases productivity as it completely cuts out redundant data and its maintenance. The end result is a consolidated and modular IT landscape. Furthermore, the IT standards set reduce the time required for employee training and familiarization.

The automotive manufacturer with the four rings as its emblem will also benefit from the integrated Enterprise Architecture when planning its IT in the future. The links between processes and IT are improved, and the architecture modules and methods available can be reused.

Based on the ARIS Platform IT architecture solution, standardized IT architecture management gives Audi a head start on a very competitive course.

- ▶ IDS Scheer has been helping supporting the automotive manufactures to develop its IT environment and enhance business processes for over ten years.
- ▶ The joint development partnership has allowed IDS Scheer to expand its IT architecture management portfolio.