



## REDUCING COSTS AND INCREASING COMPETITIVE EDGE WITH CENTRASITE SECURED PROCESS

### Challenge

Since Scandinavian Airlines (SAS) consists of four separate airlines, the company's Service-Oriented Architecture (SOA) landscape is based on heterogeneous IT platforms, with service development spread across several departments and projects. A powerful SOA registry/repository was needed to support technology management and governance initiatives for optimizing and harmonizing the full SOA landscape for the four separate airlines.

### Solution

CentraSite works in concert with diverse enterprise technologies and helps achieve the strategic goals of cost reduction and increased competitiveness without increasing staff:

- Single platform for managing and governing a complete SOA running on various environments
- Optimized cost control despite increasing complexity
- New cross-project view of overall service development

### Benefits

- Overall, a much more effective governance
- Optimized dependency and impact analysis
- Increased business agility and ability to ensure compliance with regulations
- Enhancement of existing IT systems to support business strategies
- Shorter time-to-market and improved control over all SOA artifacts
- Faster resolution of problems and fewer failures/problems in production
- Highly efficient and agile SOA



Scandinavian Airlines

With € 6.9 billion in revenue, Scandinavian Airlines is the largest listed airline and travel group in the Nordic region, offering a variety of air transport and logistic services. The company's 33,000 employees deftly handle 36.4 million passengers per year on 1,547 daily flights to 147 destinations. For more than five years, SAS has been leveraging SOA for its application development. As Scandinavian Airlines consists of four separate airlines, the company's SOA landscape is based on heterogeneous IT platforms. This demands highly effective governance.

Get there faster.™

**“Without CentraSite, we would have to increase staff in order to deal with the change management of our SOA system. It helps us develop our SOA assets with **less effort and in a much shorter time.** We consider CentraSite to be the best SOA registry/repository product on the market today.”**

Magnus Clarving | Manager, Corporate & Agent Systems | Scandinavian Airlines

### Taking SOA to the next level

Scandinavian Airlines embraced the principles of SOA more than five years ago and has been developing SOA-based applications ever since. To gain the full productivity, time-to-market, and flexibility benefits SOA offers, Scandinavian Airlines needed a solution concentrating on its individual company structure which is divided into four separate airlines. This challenge demands highly effective governance.

The key productivity driver for the Scandinavian Airlines SOA initiative is the capability to document services so that later on those can be found easily and used appropriately. Dependency and impact analysis is also very important so that required changes by the different stakeholders can be implemented at a low risk. Impact analysis was a manual and time-consuming task. Product Managers and Business Analysts would first collect the latest versions of the documentation – which would be stored partly local or partly remote somewhere on the network – and try to find which services would be affected in terms of new functionality and documentation.

### Facing limitations and challenges

The SOA environment within Scandinavian Airlines presented a number of challenges that prevented the company from maximizing reusability, improving collaboration and avoiding change management mistakes:

- The same service having different development priorities across different projects
- Experiencing difficulty performing impact analysis and determining the cause of failure for services across projects
- A large number of Web services were available within the organization across different departments and technology stack vendors
- SAS services evolve from internal usage to being utilized by service consumers outside

Scandinavian Airlines, such as third-party Web sites selling plane tickets, change control and versioning of services becomes crucial

### Support for the Scandinavian Airlines environment

In addition to solving the management and control challenges Scandinavian Airlines faced, the ideal solution would also need to address these requirements:

- Enhance the SOA environment – which has evolved over the years – with next generation capabilities
- Govern and manage the SOA landscape of in-house solutions based on open standards
- Provide a cross-project view of service development for improved collaboration

### Full management & control of SOA assets

For Scandinavian Airlines, complete visibility and control of all SOA assets is imperative for continued business success. Applications developed by the company using SOA enable it to respond rapidly and effectively to the challenges of a highly competitive and dynamic industry. At the same time, SAS must also ensure compliance with regulations. Scandinavian Airlines turned to Software AG for the ideal solution to its problem: CentraSite, the open standards-based SOA Registry/Repository. The CentraSite solution is relied upon by SAS to meet the following critical objectives:

- Strengthen the capability to document and manage services and related artifacts, as well as their relationships to processes
- Make them much easier to be found and used appropriately
- Improve dependency and impact analysis
- Support change management, policy definition, and policy enforcement across the entire SOA landscape

Scandinavian Airlines utilizes CentraSite to document all existing services and consuming applications to provide a transparent view of its architecture. The documentation includes design documentation and relationships, as well as collaborative information used to manage the lifecycle of services and applications.

With CentraSite – co-developed by Fujitsu and Software AG – Scandinavian Airlines now has a centralized, powerful Registry/Repository delivering the control and visibility Scandinavian Airlines needs to achieve its strategic goals of cost reduction and increased competitive advantage without increasing staff.

### KEY COMPONENTS

#### CentraSite

CentraSite is a powerful, open and standards-based next-generation SOA Registry/Repository that establishes and enforces standards and development guidelines and ensures consistency, service reusability and quality of services.

#### ABOUT SOFTWARE AG

Software AG is the world's largest independent provider of Business Infrastructure Software. Our 4,000 global customers achieve measurable business results by modernizing and automating their IT systems and rapidly building new systems and processes to meet growing business demands.

Our industry-leading product portfolio includes best-in-class solutions for managing data, enabling service-oriented architecture, and improving business processes. By combining proven technology with industry expertise and best practices, our customers improve and differentiate their businesses – faster.

Software AG – Get There Faster

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