

**Project Note**

# SOA in public administration

This project involved the development of a service-oriented architecture (SOA) for a public administration. Smart interfaces reduced the costs and increased the flexibility of the integration of further systems.

**Task**

The Organisation and Informatics Department of the city of Zurich (abbreviated 'OIZ') is the centre of competence for informatics in the public administration of Zurich. The structural engineering department (Hochbaudepartement der Stadt Zurich, abbreviated 'HBD') commissioned OIZ to build an integration platform that would provide optimum support for business processes, drastically reduce operating costs and enable the integration of new software systems at a reasonable cost. The OIZ assigned the order to Zühlke to develop a service-oriented integration platform. In an initial step, a project management tool just introduced the HBD and the existing ERP system were to be integrated.

**Implementation**

In several workshops the experts from Zühlke analysed and documented together with the OIZ and HBD the requirements given by the business processes and the existing systems. Zühlke then defined the business-oriented services, designed the system architecture and implemented the solution. Automated testing and deployment were put in place during the development phase. This helped the developers in the later integration tests and supported the transfer to operations of OIZ.



**Technical Data**

RUP/UML,  
MS BizTalk Server,  
MS.NET Framework,  
Web Services,  
Windows Server,  
Visual Studio.NET

**Customer benefits**

- In workshops Zühlke experts achieved a common understanding about the requirements with the stakeholders.
- Drawing on its expertise in SOA and integration, Zühlke built a flexible and expandable solution.
- Zühlke supported to put the system in operation. In addition Zühlke produced the operating manuals and trained the operating personnel.
- Smart, service-oriented interfaces reduced the costs of integrating further systems.

Zühlke Engineering AG  
Wiesenstrasse 10a  
8952 Schlieren (Zurich)  
Switzerland  
Phone +41 44 733 6611  
Fax +41 44 733 6612  
info@zuehlke.com  
www.zuehlke.com