

**Global Energy Company**

**Overview**

Service Oriented Architecture (SOA) brings many business benefits to organizations, especially the ability to respond rapidly to business process change for competitive advantage.

Within one oil company’s Exploration and Production (E&P) segment there is a department called Digital and Communications Technology (DCT). An E&P DCT SOA program operates as a Centre of Excellence (CoE) to provide advice, guidance, and standards to projects. The CoE is staffed by a mix of BP, IBM, and SAIC staff and has established the E&P DCT SOA Method, defining best practice for SOA implementations.

**Value Message**

*“This case study reflects the flexibility of TOGAF to deliver effective enterprise architecture in a legacy of multiple technology environments.*

*TOGAF is a proven, practical, and repeatable framework complementing many architectural styles and approaches.”*

**Garry Doherty**  
TOGAF Product Manager  
The Open Group

**Using TOGAF™ to Evolve SOA Infrastructure into Mature Enterprise Architecture**

**Challenge**

For SOA to be effective in an organization as large and complex as an oil company, SOA implementations must follow a standardized method and reference architecture. Centralized governance is increasingly important as the service-oriented landscape matures. The DCT organization wished to adopt an industry standard architecture framework. In considering TOGAF™ as the primary candidate, it needs to choose between wholesale adoption and re-engineering of processes in line with the framework, or using TOGAF as a reference for evaluating the E&P DCT SOA Method and identifying gaps.

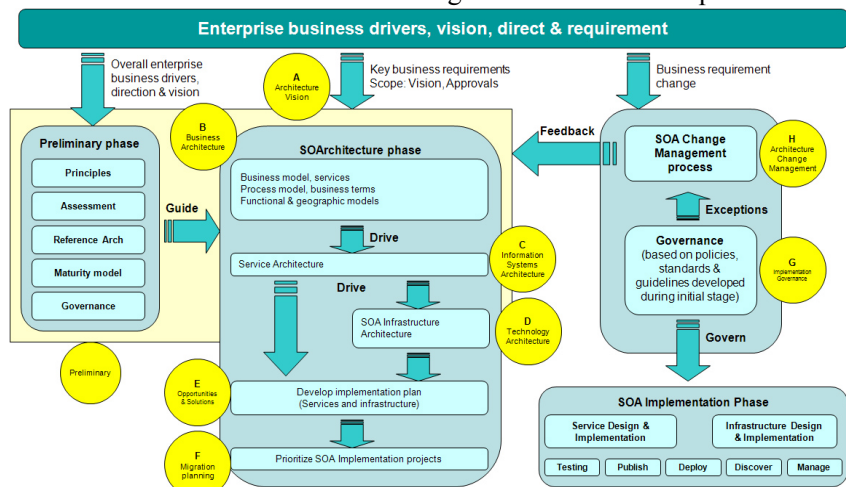
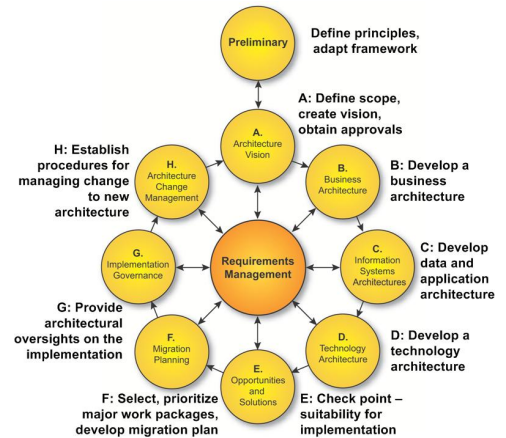
**Solution**

The project began by mapping the SOA Method to the TOGAF Architecture Development Method (ADM) to use as the basis for future SOA development work.

This was compared with work done by The Open Group in linking SOA with TOGAF. The success of the working party has assisted in the realization of integrating SOA with enterprise architecture and adding value to the organization’s business process management practices.

**Business Outcomes**

- Providing consistency across architecture disciplines (SOA, EA, data management, etc.) has improved productivity, efficiency, and time-to-market.
- Reduced learning curve of the enterprise architects and associated business costs has enhanced the capability of the business to accelerate business decision-making and solutions development.



For more information, visit [www.opengroup.org/architecture](http://www.opengroup.org/architecture).

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