

WEBMETHODS HELPS AUSTRALIAN ENERGY MARKET OPERATOR ENHANCE AUSTRALIA'S ENERGY FUTURE



Customer

The Australian Energy Market Operator (AEMO) plays an important role in supporting the energy industry in Australia to deliver a more integrated, secure and cost-effective national energy supply. AEMO operates the energy markets and systems and also delivers planning advice in eastern and southeastern Australia

Industry

Utilities

Opportunity

- Modernize of the Gas FRC Hub a B2B platform for the gas retail markets throughout Australia
- Provide a reliable B2B platform that could scale to support the adoption of B2B procedures in New South Wales (NSW)

Solution Set

webMethods Integration Platform

Key Benefits

- Support of current interfaces to gas retail market participants to minimize any impact on participants systems
- Minimized cost and complexity for new participants entering the gas market
- A scalable platform to support the introduction of B2B arrangements in NSW and short-term capacity requirements associated with industry changes or company mergers or acquisitions
- A predominantly off-the-shelf implementation reducing the longer term costs of a legacy bespoke implementation
- A resilient and secure architecture providing a reliable service
- Reduction in manual handling and intervention through automation
- Provide a base platform that could support multiple interfaces to enable participants to realize value in line with their individual investment cycles

MINIMIZED
COST & COMPLEXITY



FOR **NEW**
PARTICIPANTS
entering the
GAS MARKET

REDUCTION
in manual **HANDLING**
& **INTERVENTION**



THROUGH
AUTOMATION

Energizing industry collaboration

AEMO develops and operates retail markets for gas in Queensland, New South Wales, the Australian Capital Territory, Victoria and South Australia. The company also provides a similar service to Western Australia for gas under contract with REMCo.

AEMO's retail market systems and processes are integral to competitive energy markets as they allow:

- Customers to choose or change their retailer, facilitating large volumes of customer transfers
- Business transactions to be managed between retailers and distributors to provide contestable services to customers
- Management of metering data to ensure energy usage is properly measured, reconciled and allocated

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— **Luke Barlow** | Group Manager, Information and Architecture Strategy at AEMO

The Gas FRC Hub is a communication infrastructure operated by AEMO that provides a gateway through which AEMO, each retailer and distributor can deliver and receive structured business-to-business messages utilizing defined protocols and formats. These messages cover various transactions, such as account creation, customer transfer notification and meter data information. The hub infrastructure is also planned for use in the NSW/ACT gas retail market.

A key challenge for AEMO was being able to offer a single technology platform for all gas market participants to easily transfer information and data in a seamless way for each gas market. It also wanted to more effectively promote greater industry collaboration and flexibility for how participants interacted across the platform.

AEMO has been a Software AG customer since 2001, when it purchased the license from Software AG to use webMethods Trading Networks to automate data exchange and provide a secure gateway for efficient transactions to and from gas market participants.

In an effort to achieve a hub for all gas market participants within Australia, AEMO extended its relationship with Software AG in August 2014 to include the webMethods Integration Platform and deliver on this objective.

The webMethods Integration Platform enabled AEMO to rapidly integrate systems, processes and data to provide a multi-year implementation to establish the foundation for the integration of services to the market for all energy market participants.

Powering the platform

Software AG was selected to implement its platform due to a number of key capabilities and strategic differentiators, including:

- A strong focus on business outcomes, rather than technology outcomes
- The ability to solve maintenance and operational issues that didn't attract new revenue
- Support for the development of a business case aligned to strategic outcomes
- A portfolio that can easily integrate within the AEMO environment, resulting in reduced operational costs and vendor dependencies
- Industry domain knowledge
- A single account team to engage with AEMO

"We selected Software AG as a partner due to its demonstrated commitment to understanding our unique business challenges and its creation of a flexible implementation plan that aligned to our needs and those of our stakeholders," said Luke Barlow, Group Manager, Information and Architecture Strategy at AEMO.

Investing in Australia's energy future

"Software AG and AEMO worked through a prioritization of delivery plans and developing a clear scope of work," Barlow said. "Software AG collaborated with us from the planning all the way to the delivery stages of the process."

The project delivery model blended a combination of on-site staff understanding AEMO's situation with offshore expertise and experience on the webMethods platform upgrades. This model allowed software and design issues to be resolved in short time periods with direct access to base platform developers when required.

A key benefit of the partnership is that market operations can now evolve based on a consistent framework of operational rules and underlying systems that ensure maximum efficiency, integrity, and better energy resource development.

"By investing in the right technology infrastructure and solutions, AEMO has been able to support its goal of creating a standardized, single platform for gas markets, while reducing the overall cost to market participants," Barlow said.

ABOUT SOFTWARE AG

Software AG offers the world's first Digital Business Platform. Recognized as a leader by the industry's top analyst firms, Software AG helps you combine existing systems on premises and in the cloud into a single platform to optimize your business and delight your customers. With Software AG, you can rapidly build and deploy digital business applications to exploit real-time market opportunities. Get maximum value from big data, make better decisions with streaming analytics, achieve more with the Internet of Things, and respond faster to shifting regulations and threats with intelligent governance, risk and compliance. The world's top brands trust Software AG to help them rapidly innovate, differentiate and win in the digital world. Learn more at www.SoftwareAG.com.

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