JOURNEYONE

OIL AND GAS SECTOR JOURNEYS

The Journey

JourneyOne has worked with some of the largest oil and gas companies in Australia, and one of the biggest resources companies in the world. Since being founded in 2011, JourneyOne has partnered with clients in this industry, and many of the team have substantial prior experience in the industry as well.

As such, JourneyOne possesses a high level of knowledge in the upstream (exploration to production) oil and gas domain. The team has been involved long-term in the development of end-to-end enterprise architecture for a Perth-based company. Additionally, JourneyOne has been engaged for a number of projects that provided broad exposure to the operational functions of both onshore and offshore production.

How the JourneyOne Team Can Help:

- Plan and design integrated / smart operations.
- Select and implement RFID and tagging solutions.
- Develop oil and gas business and technology reference models and capability based planning.
- Select and implement warehouse and logistics mobility solutions.
- Design and implement engineering data and document management solutions.
- Create a strategy for vendor sourcing and selection.
- Develop business-aligned IT strategy and planning.

Our Client Journey Outcomes

Tagging and Mobility

JourneyOne was engaged by a large oil and gas company to analyse and define a tagging solution for piping, instruments, cargo carrying units, materials and people. The tagging solution had to cater for human and machine readable labels, which included fixed items and movable items (such as rotables, mobile units and people). JourneyOne devised a simple decision tree to help the client make informed decisions on the right tagging solution for different components and purposes; for example, when to use bar codes or RFID.

During this engagement, JourneyOne also defined RFID requirements and technical specification for a major capital project. This specification defined the functional requirements of RFID when applied to mobile equipment, cargo carrying units, fixed equipment and people. It also defined technical requirements, such as intrinsically safe RFID standards and RFID frequency.

Oil and Gas Strategy, Modelling and Planning

A common challenge for IT functions in large organisations, such as in the oil and gas industries, is engaging the core business areas such as exploration, development or production, and perceiving the full value of doing so. A key objective for the IT function is to be a valued service provider and not have the perception of being a utility service provider, i.e. just a provider of PC, network, email and so on.

JourneyOne has helped several large oil and gas organisations establish their architecture and planning capabilities including the development of an end-to-end oil and gas business reference model. This model established a common language and understanding of the business, its functions and the underpinning IT application, information and technologies. This understanding helped the IT function to engage the core business areas with greater success.

In addition, JourneyOne supported the business planning process for the IT function of a large oil and gas organisation. The team defined a business planning approach and engaged the core business functions to understand their business strategy and define business-aligned IT initiatives. The activities enabled definition of the medium- and long-term plans for the IT function with prioritisation against delivery risks and value to business.

Journey Highlight: End-to-End Oil and Gas Business Reference Model

Exploration
- Acquire
- Assess

Development
- Appraise
- Develop

Production
- Produce
- Abandon

Technical Services

Drilling and Completion Services	Subsea and Pipeline Services	Reservoir Management	Marine and Port Services	Aviation Services

Enablers

Health and Safety Management	Environmental Management	Human Resource Management	Commercials and Legal Management	Risk and Compliance Management	Security and Emergency Management

Information, Communications and Technology	Financial Management	Logistics and Materials Management	External Affairs Management	Contract and Procurement Management