The Objectives

- A comprehensive, integrated suite of software applications
- A secure and professional logging and handover system
- A system for managing Work Instructions
- A system for managing Near Misses and Incidents
- A mobile system for inspection round data from the field
- A repository for important plant procedures and operations data

Wakayama Petroleum Refining Co. Ltd. (WPR) is an affiliate of JX Nippon Oil & Energy Corporation, the largest oil company in Japan, and produces lubricating oils, solvents and additives, and was established in 1949. It possesses a VDU (vacuum distillation unit), a Furfural solvent extraction unit, a Solvent dewaxing unit, a Lubricant hydrodesulphurization unit and Lubricant isodewaxed unit.

The Problem

The management of WPR’s operations involves close collaboration between many teams on the plant including Safety, Maintenance, Management, Planning, Real-Time Control, and Personnel. WPR required an enterprise-level tool for recording and following up Near Misses to help reduce the risk and consequences of accidents. WPR needed to manage the retirement of experienced operators. They needed to find ways to adapt to a smaller operations team and to ensure that vital knowledge about the plant and its procedures was retained and transferred.

The Benefits

- Visibility of information
- Routine tasks automated
- Workflows for human processes
- Reduced risk of safety incidents
- Efficient, reliable Shift Handover
- Knowledge repository
- Same user-interface for all applications
- Continuous adaptation and extension of j5 suite
- Simplicity of architecture

There was a need to improve the efficiency and reliability of work instruction management, reporting and shift handover, and the collection of inspection round data using a mobile device. There were also complications related to the high-pressure gas certification that needed to be addressed.
Customer Quote

“j5 delivered a professional consulting service that gave us a clear understanding of our current situation and goals.

We selected j5 as the de facto global standard for achieving competitiveness in operations management.

We rely on j5 for logbook, handover, work instructions, standing orders, near misses and mobile inspection rounds. We would like to extend our use of j5 to other applications in the future.”

Nobuyuki Takahashi
Executive Director
Kainan Plant Manager
Wakayama Petroleum Refinery

Contact j5 International for more information

www.j5int.com
sales@j5int.com