

Omega 5000 Terminal Automation System

Our Experience is your 'Solutions for Success'

At DKI, thinking outside the Diamond means bringing an enhanced Terminal Automation System (TAS) solution that means efficient and effective operations to your organisation. DKI Omega TAS systems have been operational in Asia Pacific since 1978, providing bulk petroleum distribution businesses with innovative, integrated and competitive advantage solutions. Omega TAS is designed & engineered to provide complete terminal automation through the effective integration of terminal operations. Our technological approach, our 32 years of experience and our partnerships with leading component suppliers in the terminal automation systems give DKI Omega TAS solutions a high level of operability, dependability and performance valued by our customers.

In taking our solutions forward and to supply our customers with the high quality and dependable systems they require, DKI has developed Omega 5000. It builds on field proven experience, the advantages of our highly respected 'Omega 3000' and modern software technologies to delivery via a web browser, multilingual interface a TAS solution for the modern era.

DKI Omega 5000 TAS highlights

A scalable TAS solution for:

- * Major Oil Companies operating globally
- * National Oil Companies
- * Independent Oil Companies

Modular System

Web Browser Interface

Multi-lingual interface

View Anywhere capability

Enhanced Reporting

Ability to create own Report templates

Enhanced Search function

Enhanced Blending functionality

Easy Upgrade from Omega 3000

Modular System

Omega 5000 is designed and structured in a modular manner providing customers with a scalable and flexible solution. DKI staff are knowledgeable and have comprehensive technical expertise to work with our customers to recommend and supply the correctly structured and featured Omega 5000 application that best suits a sites operational needs.

Web Browser Interface

Omega 5000 system utilises a web browser interface that is compatible with the widely adopted Explorer and Firefox applications. Operators can use their everyday PC to access Omega 5000 application screens. There is no need for installation and management of third party interface software, especially important where software environments are controlled. The individual screens adopt familiar and user friendly features such as, drop down lists, simple menus, buttons and check boxes for 'point and click' workflow, optimising a users time and efficiency. In addition, the user has "View Anywhere" ability, provided access and appropriate security rights, in an array of user environments e.g. Smart Phone, Notebook, Linux, OS X and Windows.

Multi-lingual

Omega 5000 supports a number of Asian and Latin based languages. By default, a user has a nominated language associated with their log in credentials. Should the user wish to use an alternate language, it can easily be selected.

Remote Access

To maximise use and productivity, Omega 5000 allows remote access for both for the User and Support. Providing appropriate access is granted to the Omega 5000 Server Users and Support are able to access screens through a web browser via any media with internet connection and web browser support. Users will need to provide credentials to log on.

Easy Upgrade from Omega 3000

DKI continually strives to minimise costs incurred by our customers during system upgrades. In order to achieve maximum efficiency and effectiveness when a customer elects to upgrade from Omega 3000, Omega 5000 has been designed so that it can easily import data from Omega 3000.



Mutual Success Through Teamwork With Customers

Specifications stated are subject to change without notice. Diamond Key International Pty Limited accepts no liability for any kind for errors or omissions

Reporting

Extensive and flexible reporting is an integral part of Omega 5000. Real-time and historical data is available to be reported at any time. As standard there is a range of pre-defined reports a user can choose to use, however, there is also the capability to create individual bespoke reports. Users are able to define search criteria and filters and then save them to create their own report templates for operational use. Once reports are defined, they can be previewed on screen prior to printing or saving in various formats including html, cvs, excel or txt format. Reports print on any printer configured on the PC.

Blending Functionality

Omega 5000 includes enhanced functionality for blending and blend tolerance control. Blending configurations supported include:

- * In Truck
- * Sequential
- * Hybrid Upstream
- * Side Stream
- * Ratio

Stock Management

The Stock Management function of Omega 5000 controls multi-company ownership of products at the site. Control is achieved through reporting, data entry and through the monitoring stock levels. Omega 5000 manages stock on the site by monitoring and recording the quantities and movements of stock in the tanks typically via communications with the site Tank Gauging system.

Storage Tanks

Omega 5000 is configured with all the tanks on site, which are then monitored or controlled by the Omega 5000. Omega 5000 stores the tank name, product name, product code, product classification and product density for each tank.

Automatic Gauging Systems

Omega 5000 interfaces with a variety of external tank gauging systems allowing up to the minute details of stock quantities.

Product Import

Product Import is measured by changes in tank gauge levels resulting in a product movement record. Product Imports to a tank include pipeline receipt, ship unloading and vapour recovery metering.

Product Export

Similarly Product Export is measured by changes in tank gauge levels. Product Export include export by pipeline and vehicle loading. Each of these types of exports are managed.

Loading

Specifically designed to optimised vehicle loading, Omega 5000 interfaces with a variety of Loading controllers Loading controllers suitable for hazardous areas integrate the functions of safety interlocks, flow computer, batch controller and driver interface and are typically a custody approved device. Loading controllers allow multiple compartments to be loaded concurrently and will ensure the correct drawer product is loaded into each compartment.

Order Management

Orders can be entered through the Omega 5000 administration interface. Optionally an external Host interface allows bi-directional data flow to Omega 5000 through which orders can be downloaded and loading data uploaded.

Inventory Management/Load Scheduling

Load Scheduling function I Omega 5000 is used to monitor and control product loading at the site. This function includes specifying loading equipment (tankers), loading plans (schedules), monitoring and logging loading transactions and recording product returns.

Load Completion Documents

At completion of product loading, the operator / driver will obtain suitable documents. The documents that can be produced by Omega 5000 include; Bill of Lading, Delivery Note, Industry Product Movement report, Hazchem and Load Reports.

Identification Media Assignment

The Identification Assignment function in Omega 5000 allows security identification media to be linked to specific personnel and/or vehicles. Requirement for ID authorisation is used for various functions in Omega 5000 including authority to load.

Access Control

Access of personnel to give site locations can be controlled via areas using gates, doors and of course to product at loading points. This is achieved by providing ID media reading devices at specific locations around a site, including entry & exit gates, document collection areas and loading bays. Access to any area is managed by Role, Timecode and ID.

Journal

The Journal is a non editable modifiable list of all events occurring within Omega 5000 arranged in chronological order. The Journal is available to be, searched, selected and printed.

Remote Access

To optimise your Omega 5000 operation around the clock, Omega 5000 has been designed to be supported remotely (via appropriate access security) via the web browser interface. This operation is powered by simple menus and screen navigation for the remote user

Customer Service Centre

DKI has an extensive 24 x 7 x 365 customer support capability covering the whole scope of terminal automation solutions. With our computerised service network and call logging, our Customer Support Centre (CSC) can provide support assistance to in trouble shooting, parts despatch and emergency break down assistance / repairs. Customers can be assured of a professional support service and advise, that will get your systems up and running as quickly as possible. Our complete customer support services include:

- * Remote Telephone Support and Fault diagnosis
- * Commissioning via DKI's fully trained specialists and technicians
- * On Site diagnostics and assistance
- * Training for Supervisor, Operators and Drivers
- * Software Upgrades
- * Support Contracts
- * Spare Part Management Contracts
- * Scheduled Maintenance Services

Diamond Key International

is your partner in bringing to your organisation a knowledgeable and respected terminal automation solution.

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