Application

• DIAMOND TANK GAUGING SYSTEM is a software solution for the monitoring and control of bulk liquid storage tanks
• DIAMOND is the newest Tank Gauging software system available and has been specifically designed and built for all tank farms large or small. It caters for the largest sites with up to 1000 tanks and is equally agile at single tank installations. Diamond supports the single workstation, or client server, or workgroup, Web, or grid computing architecture depending on your preferences. It is a strong, multi-threaded, and very capable software system.
• DIAMOND is equipped to handle the complete range of modern storage tank designs including fixed roof, floating roof, high pressure and low temperature storage
• DIAMOND is scaleable and can be installed as a single console in the control room or multiple computers across a site network and out on to the internet

Features and Benefits

• DIAMOND is simple to use and feature rich. Operators have lots of choice around graphical presentation on screen and different ways of analysing the same underlying data; from tabular and tank group based views to HTML and Excel reported printouts.
• DIAMOND gives straightforward access to your tank data and maintains a logical and easy learning path for any user, which means, training is minimized.
• DIAMOND is fully configurable for different site preferences and offers backup facilities for the underlying database, as well as remote storage of internal configuration if required.
• Real time monitoring of LEVEL, TEMPERATURE, water interface and density
• A range of GRAPHICAL TOOLS to provide instant visual status, including tank movement direction verification and exception alerting
• User configurable display GROUPS with automatic group creation for mass intakes and deliveries
• Automatic STOCK CALCULATION with API correction of tank volumes
and masses for standard temperature stock accounting

- **Volumetric correction** to any localized standard
- Custody transfer **TANK MOVEMENT** monitoring with safe fill level, end of movement warnings, flow rate, time to stop and automatic **TRENDING** of level, temperature and flow rate.
- Comprehensive **ALARM SYSTEM** with level, temperature, flow rate and movement alarms and warnings – plus email and SMS alerts
- **TANK INTEGRITY ALARMS**, leak and ingress detection through level and by standard volume monitoring
- **DIAMOND** has a fully featured graphical drag and drop Tank Calculator to allow users to experiment with tank movement scenarios to better understand likely capacities and timings around potential movements.
- A fully configurable **SECURITY SYSTEM** that prevents unauthorized data changes and **LOGS** all user action, all alarm activity and all gauge changes
- **DIAMOND** allows the automatic import of tanks and devices so your transition to the best tank gauging solution can happen within minutes.
- Full **audit**, full **diagnostics**, full **logging** of every change performed, with full flexible and configurable reporting to HTML or Excel, and automatic scheduled archival. **DIAMOND** is simply the tool you need to protect your tank farm inventory.
- **VALVE CONTROL** option allow tank-side valves to be interlocked with tank alarms and warnings
- **ARCHIVING** of events, alarm logs, inventory audit and trend data
- **INTERFACES** to host systems via OPC, serial interface and ODBC to SQL Server.

**What’s In the Box ...?**

**DIAMOND** is a single CD software install that can be configured to meet the needs of your bulk liquid storage facility.

The box comes as standard with:

- Software license for one PC
- Install CD with on-disk Configuration and User Guides
- Optional mPort Serial Server which will support up to 4 MTG tank gauging data buses with up to 255 devices per bus.

Additional licenses may be purchased for, by example:

- Software licenses for additional PCs
- **DIAMOND WEB** offers a web based front end for head offices or locations not connected to the main tank farm.
- Interfaces to communicate with other ATG vendors’ equipment
- Interfaces to communicate with host systems

In addition MTG offer

- System specialists for speedy and effective configuration
- Online support via the internet

**Why trust** your investment and your safety to anyone else?

To discover how you and your organisation can benefit from **DIAMOND** by MTG, Visit:

[http://diamond.motherwelltankgauging.co.uk/](http://diamond.motherwelltankgauging.co.uk/)

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