



## TAILORED SOLUTIONS

DepotVisor  
taOpen  
dvLoad  
dvTank



tanker loading  
automation



design and  
engineering services



stock control



loading skids



tank gauging



meter proving and  
calibration

fma-systems.com



## ABOUT US

FMA Systems Ltd. provides Flow Measurement & Automation solutions to the petroleum industry. Our terminal automation systems products, DepotVisor, and taOpen, are industry recognised, and offer simple yet reliable and user friendly automation solutions, used by satisfied oil companies internationally.



We focus on a customer centric approach, and offer:

- ● ● Terminal automation systems - DepotVisor and taOpen.
- ● ● Meter skids, loading arms, grounding/overfill prevention systems and smart additive injection systems.
- ● ● Maintenance and support services.
- ● ● Meter proving and calibration/certification services.
- ● ● Engineering, procurement, construction and commissioning of loading systems, including metering and all associated loading, blending and safety equipment.

Having been established over 30 years ago we have the experience and expertise to offer proven automation which will accommodate all of the requirements within the terminal and depot distribution field.

As a company we are continually evolving alongside the industry, this means we are always able to provide cutting edge services, technology and solutions to fill every need. The knowledge that we bring to all of our projects has meant that, from our base in the heart of Oxfordshire, we have been able to supply, install and service systems globally since our inception.

We pride ourselves on building valuable and long lasting relationships with our customers, we do this by offering a multitude of support packages to keep everything running smoothly. This means that we can constantly update and improve our systems in an efficient manner with little or no disruption, saving time and money for both parties.













# DepotVisor



DepotVisor is a unique package from FMA Systems Ltd that will help you to achieve total stock management. DepotVisor brings together and automates all the elements of depot operation and, at the touch of a button, you can see what is happening, how much stock is available, and who is loading what, and where.

DepotVisor can be configured to provide any or all of these functions locally and remotely:

-  Vehicle and pedestrian access controls.
-  Supervision of vehicle loading and unloading.
-  Stock Management.
-  Tank level and temperature gauge.
-  Tank farm control and monitoring.
-  Additive and blending control.
-  Management reporting.
-  Two and three-dimensional graphics.



# DepotVisor



## RECEIVING PRODUCT

When a driver reaches an access terminal he enters his company reference number, PIN and product grade. These are checked by DepotVisor and, if valid, unloading will be authorised, volume controlled, and a bill of receipt printed – all automatically.



## TANKS

Tank volumes can be measured either by dipping or by automatic tank gauging. DepotVisor manages both methods and produces daily stock reconciliation reports based upon real data.



## LOADING

Once DepotVisor authorises loading, the valve is opened, pump started and flow begins. Product taken is counted by the electronic preset and when the first compartment is full, the driver will be prompted to enter the second compartment, and so on. When loading is complete, DepotVisor prints a 'bill of lading' in the office.



## LOAD CONTROLLERS

DepotVisor uses the latest generation of preset controllers to build the total system.



## ACCESS

DepotVisor enables you to monitor and control vehicle and pedestrian access. A variety of card readers, displays, key-pads, gates and barriers can be connected to the system, and a high degree of security is possible through extensive database checking.

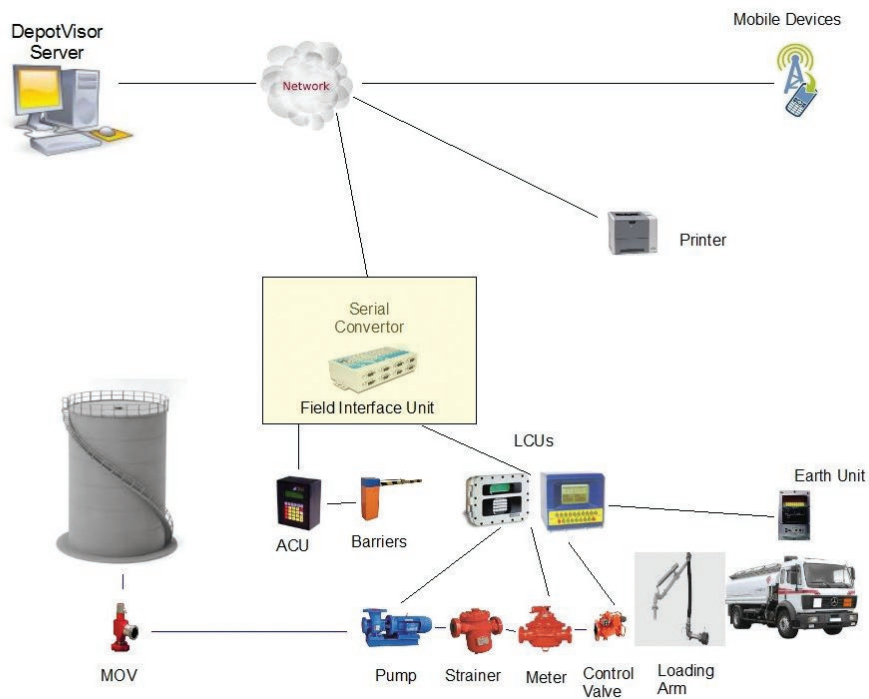
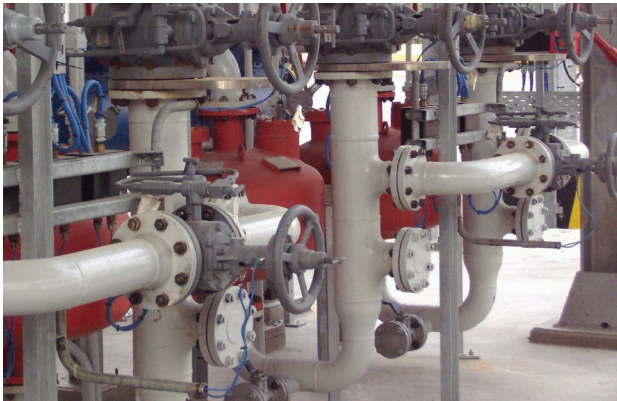


## SERVICES

FMA Systems Ltd offer a full range of Engineering Services to ensure that DepotVisor is implemented as efficiently as possible. With experienced project management staff and Computer Aided Design facilities, we can design all aspects of an installation, from tankage and tank gauging to loading gantry and supervisory computer.



# DepotVisor



# taOpen



The taOpen system controls, monitors and reports on the activities within a storage depot. Products, in the form of liquid, gases and bulk, are received into the storage depot by pipeline, ship/barge, rail and road. The products are stored in tanks for distribution by road, rail etc. The depot may be managed by an operating group and store products in a co-mingled capacity for several other companies.

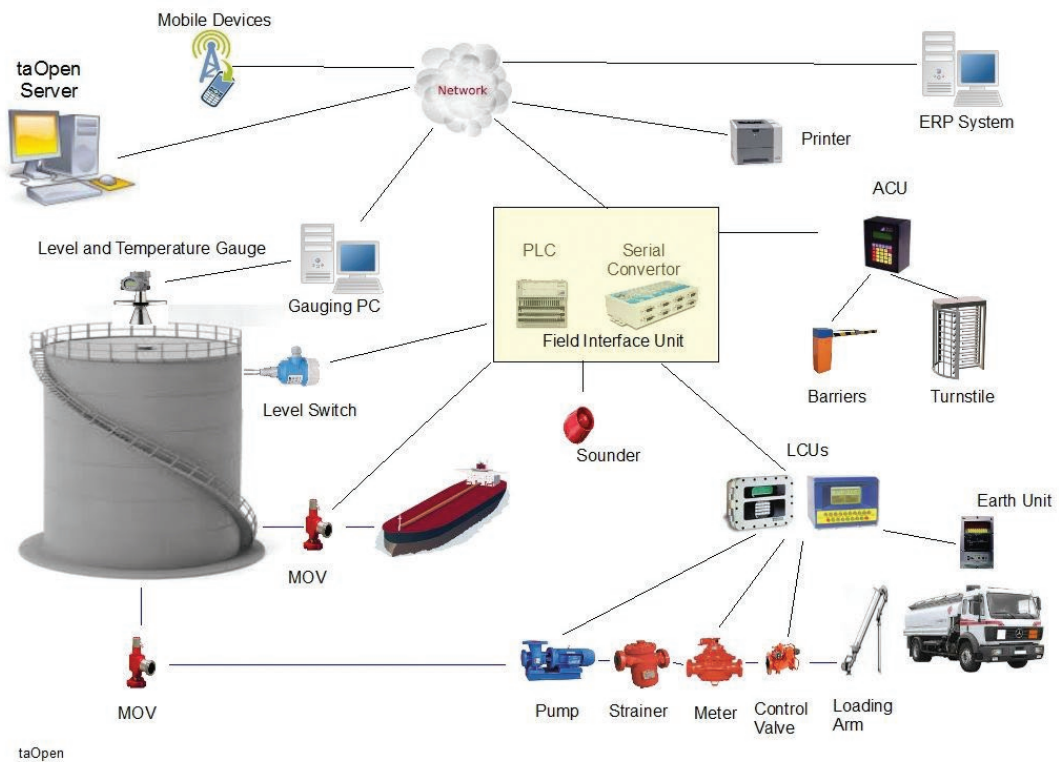
The taOpen system was developed so that it can be used with different computer operating systems and a variety of hardware, both local and remote. The taOpen system can communicate with almost any device, or sub-system, where there is a published protocol.

## The taOpen provides solutions for:

-  Pipeline metering and proving
-  Blending and additive injection
-  Order processing and invoicing
-  Tank farm inventory monitoring
-  Stock control
-  Access control of personnel and vehicles
-  Vapour recovery control
-  Environmental protection
-  Product security and reconciliation
-  Loading and unloading of road vehicles,
-  Rail wagons, ships and barges
-  Integration with ERP
-  BoL printing
-  Audit and event trail printing
-  Local language support
-  Aviation terminal automation



# taOpen





# TAILORED SOLUTIONS

As a company FMA Systems can provide

-  Turnkey solutions
-  Consultancy
-  Project management
-  System design
-  Total supply including field instruments
-  Drawings and documentation
-  Assembly, integration and testing
-  Installation supervision
-  Commissioning
-  Engineer and operator training
-  Maintenance and support

