



Authorised UK Distributor of MCS equipment



Fuel Management Systems



# SAPPHIRE

Revision v1.0

Leading the way in real-time fuel management systems



0844 8586 323  
info@centauronline.co.uk



251 Manchester Rd, Walkden  
Manchester M28 3HE



Centaur Fuel Management  
Multiple Card Systems



www.centauronline.co.uk

# The Sapphire Solution

## The next generation of Real-time Fuel and Fleet Management solutions...

The Sapphire terminal uses its online connectivity to automatically transfer all transaction data to a secure website in seconds, leaving behind the requirement for downloads and manual interaction with the fuel management terminal.



**Track every litre of fuel dispensed from the pump**



**Reduce stock loss from your fuel tank**



**Monitor fuel consumption of your fleet**



**Manage driver performance**



# ...and Introducing TSM

'The money saving business tool'

Watch transactions automatically appear on your own version of our Secure website using PC, tablet or smartphone.



Realtime Updates

Total control of single or multiple home depot fuelling locations, real-time reports, updates and alerts at your finger tips.



## SAPPHIRE+

The Sapphire range includes the Sapphire+ terminal which is weights and measures (MID) approved for resale to local customers/accounts and subcontractors.

The Sapphire+ terminal can be linked to your tank gauge to show complete stock and Transaction activity on the same screen.

### Sapphire+ Offers:

- Online real time technology
- Compatible with all major fuel cards
- Access via magnetic stripe cards, keys, fobs, contactless or wireless devices
- Landline Broadband, 3G or Wireless connections available
- Real-time online management of the terminal and all data via a secure website (TSM)
- Compatible with all major pump suppliers
- Tested in a range of working temperatures (-40 to +50°C)



Approved  
for Resale



MCS offer a variety of Sapphire solutions tailored to meet your fuelling requirements.

# SAPPHIRE Mobile

Designed specifically for operations requiring fleets to refuel away from static sites by means of a bowser/vehicle.

The Mobile Sapphire is the perfect solution offering your business increased security, total visibility of stock movement and the ability to push your fleets limits.

## Mobile Sapphire Offers:

- All the same features as the Sapphire
- Online real-time technology (in range of Wi-Fi or 3G)
- Vibration protection
- Innovative 'Smart-hibernation' mode to preserve power.
- 3G or Wi-Fi connection available
- Operating voltage: 11-14 volts
- Power consumption: 1.5 Amp max. In hibernation mode less than 50mA



Realtime Updates



Enabled



Enabled





# Why Choose Sapphire?



## Cut Your Fuel Costs

It's never been so easy to monitor the fuel costs of your business - total efficiency and piece of mind.



## Monitor Every Litre

Total awareness of every litre of fuel delivered, pumped and consumed.



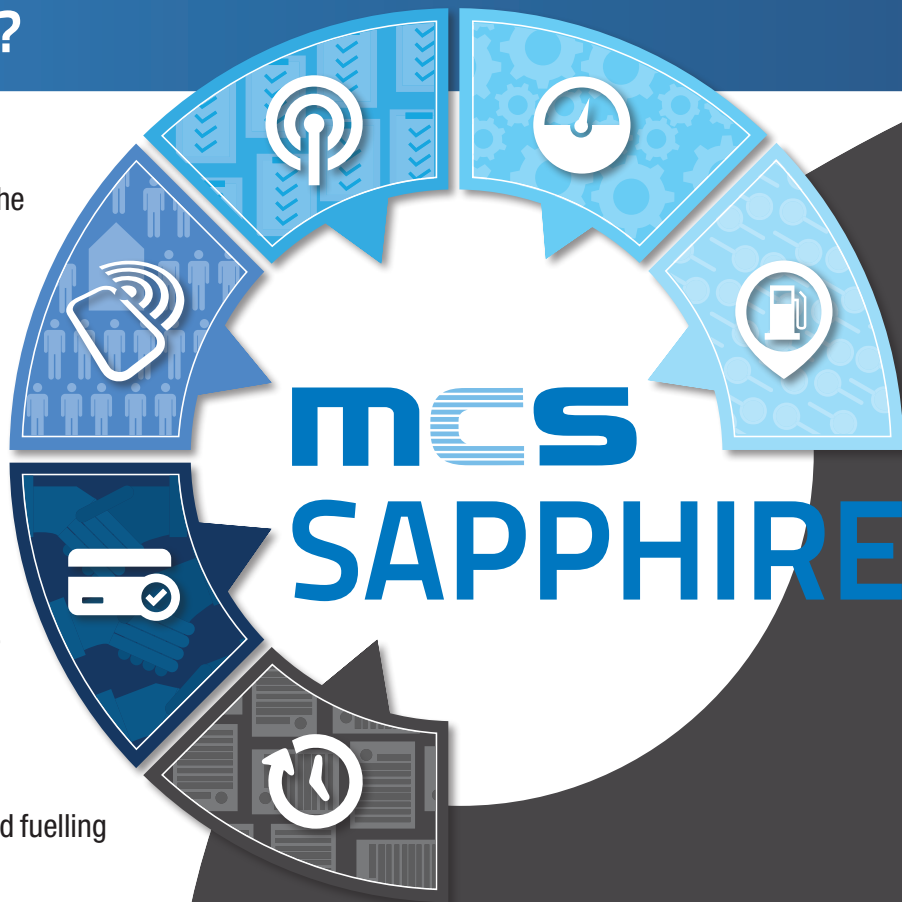
## Save Money

Improve your fleets performance using real-time vehicle and driver statistical reports.



## Greater Control

24/7 access to your depot stocks and fuelling systems - reduce stock losses.



# Fuel Card Acceptance & On-Road Transactions

MCS terminals have been continuously developed so that they can offer more solutions and accept more types of fuel card globally than any other manufacturer.

Our compatibility with all major fuel cards makes Sapphire a standout product in global markets, but it's our speciality developing the acceptance of any fuelcard on our terminals which makes Sapphire the completely flexible solution.



## TSM Integration: On-Road Fuel Card Transactions.

We have developed TSM (Total Site Manager) to import on-road fuel card transaction data to be displayed alongside home depot transactions, giving the complete picture of every litre of fuel purchased and used by card, vehicle or driver.

Home depot transactions, off-site domestic fuel card transactions and international fuel card transactions are displayed in one convenient web portal.

Fuelcard acceptance on the Sapphire makes it the ideal solution for the business that wants to use one card to control fuel drawn in their own yard and on the road.



# How it works

1

Driver gains access to fuelling by using fuel card, tag and/or 4 digit pin. This is followed by the entry of vehicle/driver details. These prompts are fully customisable to fit any customer requirements. See graphics instruction below.



Fuel delivery,  
transaction data,  
tank readings.

RS232  
& RS485

Using an RS232 or RS485 interface you can connect a tank gauge to enable automatic realtime tank readings.





New card data,  
fuel limit changes,  
new pin number,  
cancelled cards



3 View your fleets data via the TSM website, track multiple sites and on-road transactions on one screen.



TSM Integration:  
On-Road Fuel Card Transactions.

2 Transaction and stock info automatically uploaded to TSM in realtime. Card and setup changes automatically downloaded to the terminal.



# TSM - More Detail

## Complete Control at your fingertips

TSM is the complete fuel management package, stock control, depot transactions, vehicle and mileage capture & on-road fuelling data accessible from any web enabled PC, tablet or smart phone.

Communicating in real-time with the Sapphire terminal you can be assured of accurate and to the second feedback on your fleets movements.



Reports are completely customisable and are available to view in over 50 different formats and can be automatically generated and delivered to the inboxes of multiple recipients.



Printed Reports



Excel Format



CSV Format

LOCATION

**Terminale**

**Tanks**

Tank Number	1
Name	Diesel
Product Name	Diesel
Status	(Database) Tank 1: Dip reading volume below reorder level (29732.0 litres remaining)
Max Autolip Gauge	✓
Capacity	100000 gds
Reorder Level	30000 gds
Low Volume Alert	15000 gds
Last Dip Reading Volume	29732
Last Dip Reading Date and Time	6 Jun 2016, 4:54 p.m.
Average Daily Output (Litres Drawn Last 28 Days)	25108.98
Average Daily Output as a Percentage of Tank (Litres Drawn Last 28 Days)	25.11
Delivery Volume Since Last Dip Reading (Litres)	0
Transaction Volume Since Last Dip Reading (Litres)	0
Estimated Remaining Volume (Litres)	29732
Estimated Remaining Volume (Days)	1.18



## Realtime Updates

“Ensure your fuel reserves never run low by setting re-order levels on multiple tanks - emails are automatically generated to inform both the fleet manager and fuel supplier a delivery is required.”

Tank Number	1
Name	Diesel
Product Name	Diesel
Status	(Database) Tank 1: Dip reading volume below reorder level (29732.0 litres remaining)
Max Autolip Gauge	✓
Capacity	100000 gds
Reorder Level	30000 gds
Low Volume Alert	15000 gds
Last Dip Reading Volume	29732
Last Dip Reading Date and Time	6 Jun 2016, 4:54 p.m.
Average Daily Output (Litres Drawn Last 28 Days)	25108.98
Average Daily Output as a Percentage of Tank (Litres Drawn Last 28 Days)	25.11
Delivery Volume Since Last Dip Reading (Litres)	0
Transaction Volume Since Last Dip Reading (Litres)	0
Estimated Remaining Volume (Litres)	29732
Estimated Remaining Volume (Days)	1.18



# TSM: Real-time & Automated Operations

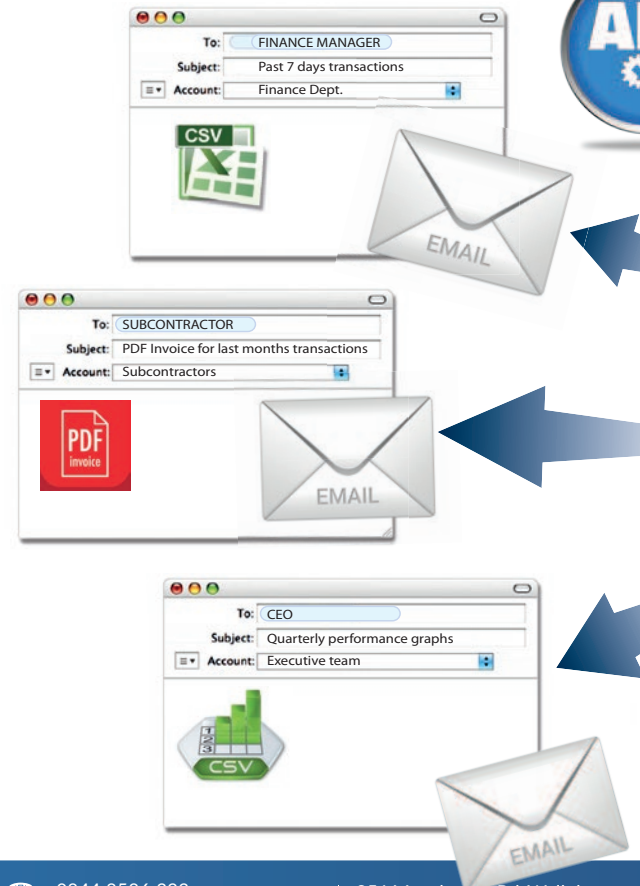
## Customised & Convenient... save time with TSM's real-time automated operations

Setup customised reports bespoke to your fleet or even departments within your company. Automate reports to run and send directly to multiple recipients at a chosen date and time.

Utilise fuel gauges to monitor tanks levels and send automatic re-order emails to your fuel company. Unexpected drops in fuel levels - set an alert straight to your inbox, TSM covers every eventuality for any type of business.

MCS offer a fully bespoke system allowing imports and exports on hourly and daily basis over FTP (e.g. fuel cards).

If your fleet has a requirement MCS can offer a solution.



# ...monitor, manage & maintain



**'Quick & convenient, automated reports and alerts straight to your inbox'**





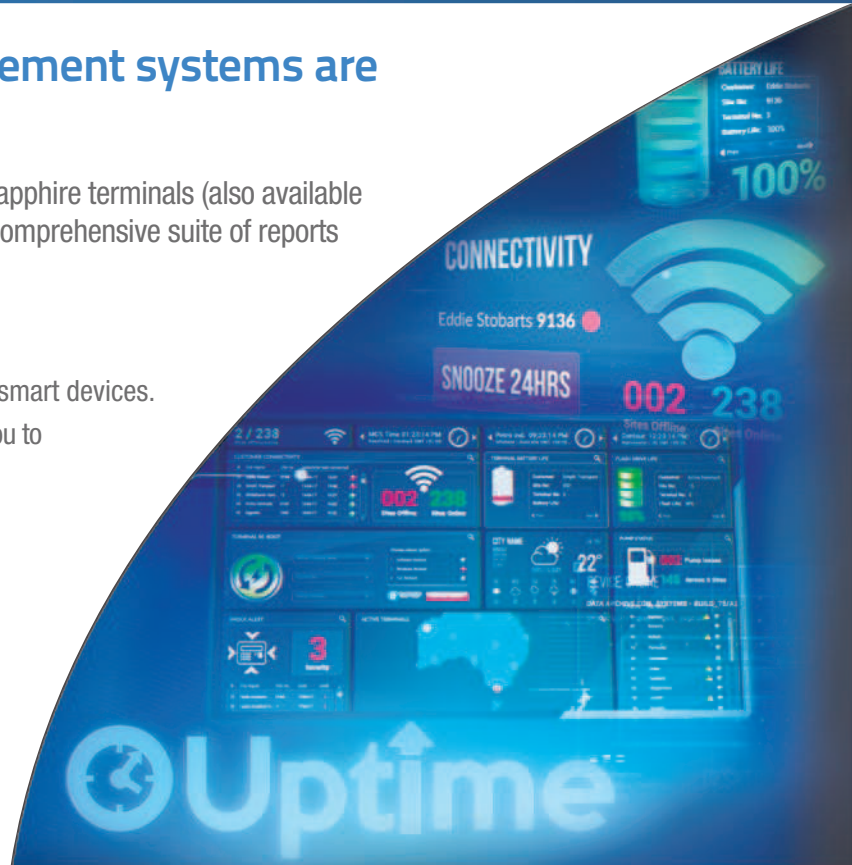
# Uptime Progressive Terminal Management

## Ensure your fuel and fluid management systems are working to their full potential.

The new Uptime hardware interface, now featured in all Sapphire terminals (also available for existing Sapphire installations); provides users with a comprehensive suite of reports and tools to manage your terminals health and operation.

### Key benefits of Uptime:

- Easy to use, highly responsive dashboard. Viewable on all smart devices.
- Awareness of potential issues before they happen allowing you to save money on servicing and contract costs.
- Remote terminal reboot
- Enable and disable pumps remotely
- Remote service and installation
- Live notifications of offline terminals.
- Flash drive, battery life, power supply indicators
- Terminal 'Shock Alerts'
- Historical data archived to allow analysis of trends in maintenance, terminal behaviour and user operation.



# Automated Fuelling Solutions



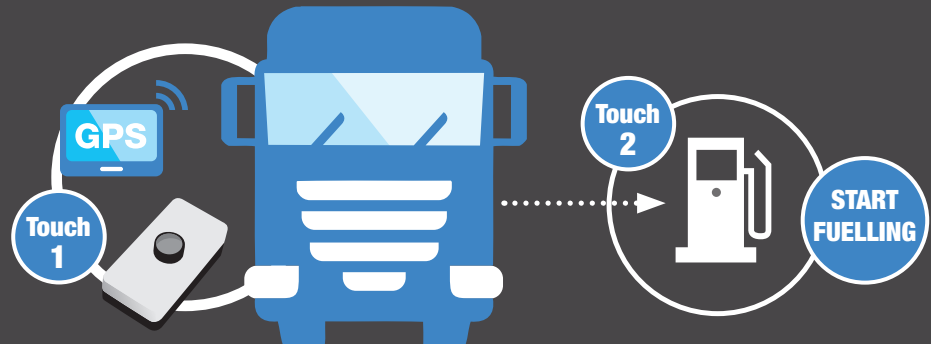
## Eliminate Vehicle and Odometer errors with GPS and Touch Key Technology

Combining the use of high accuracy GPS and Touch Key technology, the Datalink Touch system removes the need for manual input of data in turn eliminating human error. The wireless GPS system can be easily fitted into a variety of vehicle types and accurately records odometer and vehicle information up to the point of fuelling; at which point it is transferred to the MCS online terminal by means of placing the touch key device to the in-cab unit and then to the terminal. Two simple touches and the vehicle is ready to fuel.

The completed transaction details along with the captured vehicle and odometer information, is then transferred in Real-time to the TSM website which offers an extensive range of MPG, KM/L, L/100 KM and Co2 reporting.

### Datalink Touch Offers:

- GPS and Touch key technology.
- Portable device easily transferred between vehicles.
- Capture and transfer of vehicle registration & odometer.
- Eliminate data entry errors.
- Easy install solution.





MCS supplies terminals and services globally, to the oil and transport industries.

Based at Naestved near Copenhagen, MCS designs and manufactures a complete range of fuel management terminals and associated products.

Our web based management tools and on-line interface allow you to efficiently manage transaction information.

MCS have over 20 years experience with more than 16,000 systems installed globally.

Visit our website or Youtube Channel (MCS Card Systems) to watch our promotional videos



For more information about the Sapphire range scan the QR Code to the left.



+ 45 88 18 44 00  
info@mcscardsystems.com



Valnaesvej 1, DK-4700  
Naestved, Denmark



Multiple Card Systems A/S  
Youtube: MCS Card Systems



www.mcscardsystems.com