DSE**WebNet**® provides a web-based control and monitoring solution for DSE control modules all over the globe. DSE**WebNet**® supports single or multi-set systems via a range of devices, which support a suitable internet browser. This includes Laptop / PC, Smart Phone or Tablet devices.

On-screen information presents real-time generator and system information in an easy to use format with a flexible means of data transmission through Ethernet or GSM 3G via the DSE**WebNet**® **Gateway** device. Location information can be provided by an external GPS antenna connected to the DSE**WebNet**® **Gateway** device.

KEY BENEFITS
– Reduced site visits and maintenance costs
– Fuel management
– Fault analysis
– Asset tracking
– Automatic system alerts
– Maximises system up-time

DSE

®

DSE**WebNet**®

ADVANCED COMMUNICATIONS SOLUTION

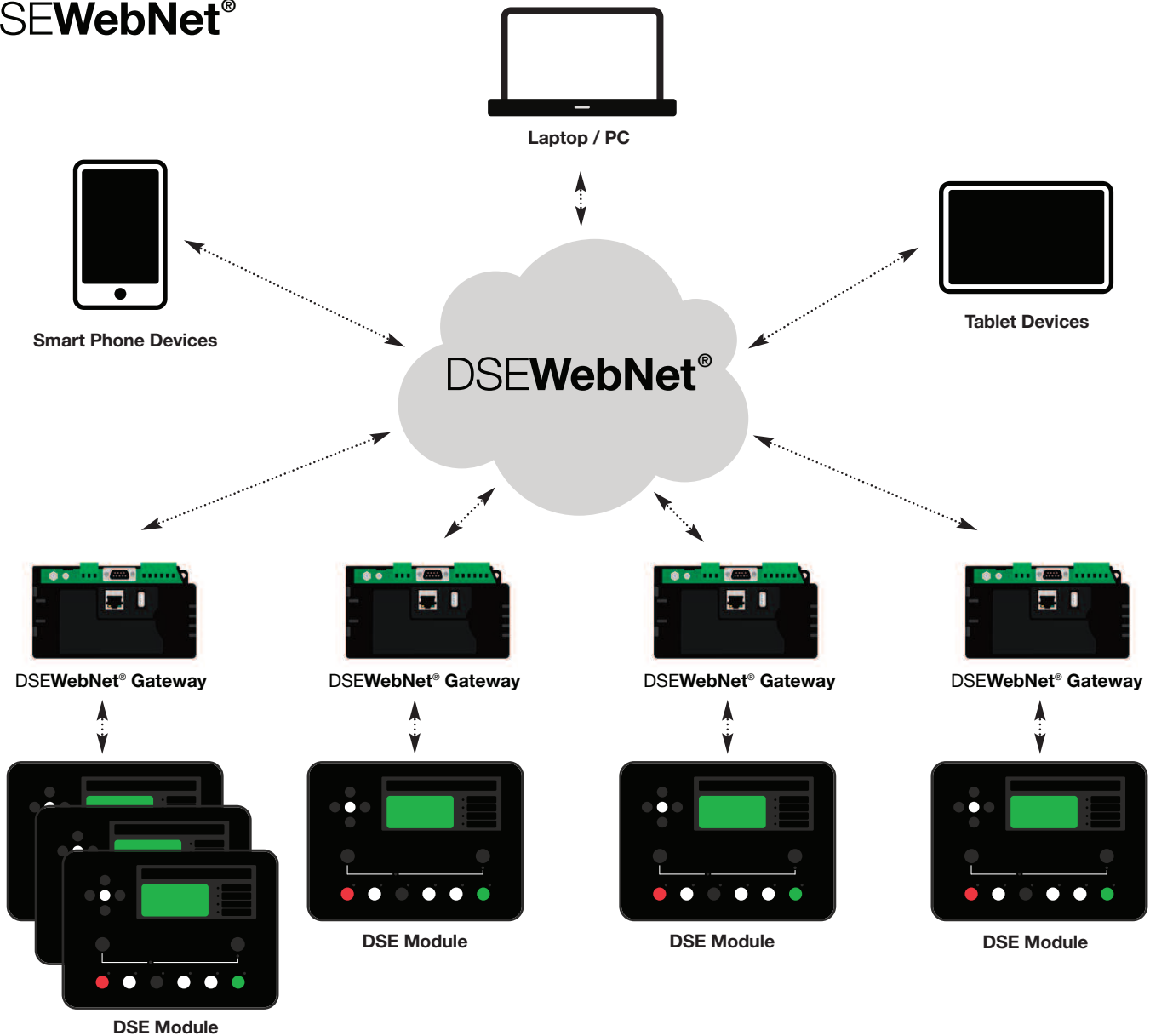--

SUPPORTS COMMUNICATIONS THROUGH MULTIPLE PLATFORMS

*

*Google Chrome or Internet Explorer 9 recommended for optimisation

www.deepseaplc.com

DSE**WebNet**®

Laptop / PC

Smart Phone Devices

DSE**WebNet**®

Tablet Devices

DSE**WebNet**® Gateway

DSE**WebNet**® Gateway

DSE**WebNet**® Gateway

DSE**WebNet**® Gateway

DSE Module

DSE Module

DSE Module

DSE Module

DSE**WebNet**® IS THE IDEAL SOLUTION FOR EFFICIENT GENSET MAINTENANCE, FLEET MANAGEMENT, ASSET TRACKING, REMOTE/PERIODIC GENSET TESTING, FUEL MANAGEMENT, FAULT ANALYSIS & MUCH MORE.

The DSE**WebNet**® system offers features such as mapping with static locations, real time instrumentation and control, event log tables and automatic system alerts which are sent to multiple DSE**WebNet**® users via email and SMS.

Comprehensive on-screen information is presented in clear, graphical and numerical formats which is easy to navigate and operate.

DSE**WebNet**® can be utilised to maximise system up-time by offering the most effective remote management tool.

The DSE**WebNet**® **Gateway** device provides the user with full instant access to the DSE**WebNet**® system. A single Gateway device can be connected to a maximum of twenty supported DSE controllers. This creates a vast and extensively featured remote control and site monitoring solution.
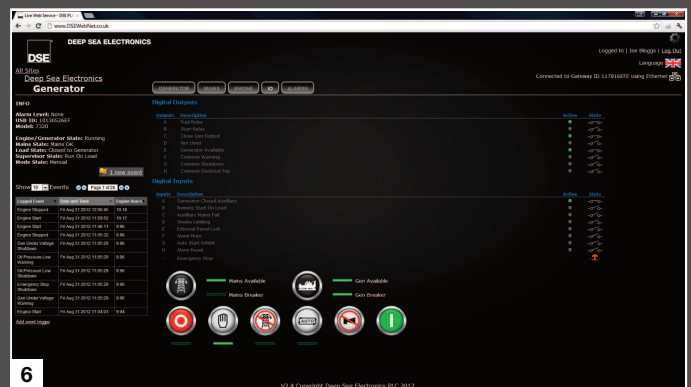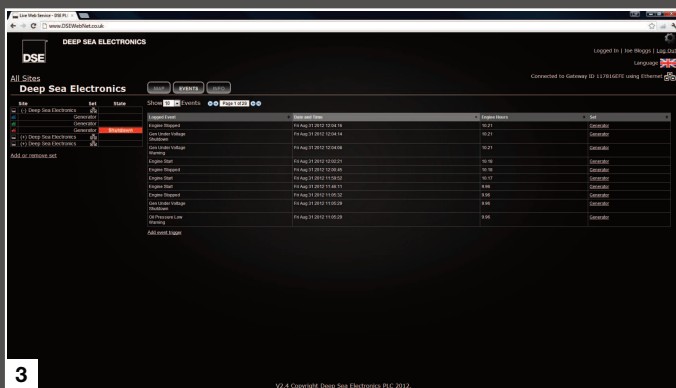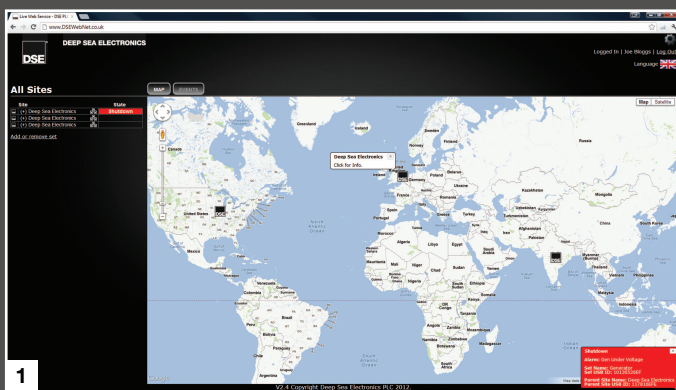
An unlimited number of DSE**WebNet**® users can access a single Gateway device. Additionally a single user can access an infinite number of Gateway devices. To gain access to either the Gateway Device or the DSE**WebNet**®, secure login information is required. This low cost solution makes the system a secure and effective remote monitoring and control solution for multiple users and sites.

MANY OTHER SCREENS ARE
AVAILABLE SHOWING A
COMPREHENSIVE LIST OF ENGINE,
GENERATOR, MAINS AND SYSTEM
INFORMATION.

DSE**WebNet**® IS DESIGNED TO
WORK IN CONJUNCTION WITH THE
DSE**WebNet**® **Gateway** DEVICE AND
IS AVAILABLE TO USE AFTER
GATEWAY INSTALLATION.

**Screen examples show
the following information:**

1. Global mapping shows multiple
   site locations
2. Aerial view of a single site location
   with multiple generators
3. Multiple or single site generator
   event recording & monitoring
4. Engine monitoring
5. Generator & mains monitoring
6. DSE controller input & output state
   diagnostics

DSE**WebNet**® Gateway

COMMUNICATIONS INTERFACE

The DSE**WebNet Gateway** is used in conjunction with supported DSE controllers to provide monitoring and communications data via the DSE**WebNet**® advanced communications system.

The DSE**WebNet Gateway** communicates to the connected DSE controller(s), monitoring the instrumentation and operating state. When this data changes, the new data is logged in the internal memory. At regular intervals the logged data is transmitted to the DSE host server.

The DSE host server is then integrated into the DSE**WebNet**® which can be accessed via an internet connected device and web browser to allow remote monitoring and control of multiple DSE controllers around the globe. GSM, GPS and GSM/GPS antenna's are available as accessories.

DSE**890**
DSE**WebNet**®**Gateway** - 3G (GSM)/Ethernet

The Gateway connects to the DSE data server by integral Ethernet connection or GPRS (DSM or 3G mobile internet) and includes GPS (satellite location) functionality. This is most suited to remote and/or mobile locations.

DSE**891**
DSE**WebNet**®**Gateway** - Ethernet Only

The Gateway connects to the DSE data server by an integral Ethernet connection only. This is most suited for fixed installations where an ADSL / DSL cable broadband service is available (external broadband modem required, not supplied by DSE).

SPECIFICATION

DC SUPPLY
CONTINUOUS VOLTAGE RATING
8 V to 35 V continuous

CRANKING DROPOUTS
Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries

MAXIMUM OPERATING CURRENT
GSM	700 mA at 12 V, 450 mA at 24 V
GSM & GPS	700 mA at 12 V, 450 mA at 24 V
Ethernet	200 mA at 12 V, 110 mA at 24 V
Ethernet & GPS	700 mA at 12 V, 450 mA at 24 V

MAXIMUM STANDBY CURRENT
GSM	270 mA at 12 V, 150 mA at 24 V
GSM & GPS	270 mA at 12 V, 150 mA at 24 V
Ethernet	150 mA at 12 V, 90 mA at 24 V
Ethernet & GPS	270 mA at 12 V, 150 mA at 24 V

COMMUNICATIONS
USB (Single DSE Controller)
RS232 (Single DSE Controller)
RS485 (Multiple DSE Controllers)
Ethernet (Multiple DSE Controllers)

DIMENSIONS
85mm x 149mm x 51mm

ENVIRONMENTAL TESTING STANDARDS

ELECTRO-MAGNETIC COMPATIBILITY
BS EN 61000-6-2
EMC Generic Immunity Standard for the Industrial Environment
BS EN 61000-6-4
EMC Generic Emission Standard for the Industrial Environment

ELECTRICAL SAFETY
BS EN 60950
Safety of Information Technology Equipment, including Electrical Business Equipment

TEMPERATURE
BS EN 60068-2-1
Ab/Ae Cold Test -30 °C
BS EN 60068-2-2
Bb/Be Dry Heat +70 °C

VIBRATION
BS EN 60068-2-6
Ten sweeps in each of three major axes
5 Hz to 8 Hz @ +/-7.5 mm,
8 Hz to 500 Hz @ 2 gn

HUMIDITY
BS EN 60068-2-30
Db Damp Heat Cyclic 20/55 °C
@ 95% RH 48 Hours
BS EN 60068-2-78
Cab Damp Heat Static 40 °C
@ 93% RH 48 Hours

SHOCK
BS EN 60068-2-27
Three shocks in each of three major axes
15 gn in 11 mS

RELATED MATERIALS

TITLE	PART NO'S
DSE**Gateway** DSE890 Installation Instructions	053-140
DSE**Gateway** DSE890 Hardware Manual	057-165
DSE**Webnet** Software Manual	057-168

ACCESSORIES
PART	PART NO'S
GSM Antenna	020-141
GPS Antenna	020-130
GSM/GPS Antenna	020-150

COMPATIBLE DSE CONTROLLERS INCLUDE:

AUTO START MODULES		AUTO MAINS FAILURE MODULES	
DSE4410	DSE7210	DSE4420	DSE7220
DSE6010	DSE7310	DSE6020	DSE7320
DSE6110	DSE7410	DSE6120	DSE7420
DSE7110	DSE8610	DSE7120	

The DSEWebNet Gateway will soon be compatible with the DSE45xx, DSE87xx & DSE88xx range of Genset Controllers.