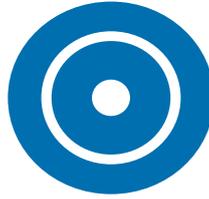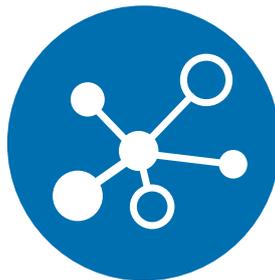# SWARCO ZEPHYR

INFO MOBILITY FROM SWARCO

ASSET MANAGEMENT

Using the well established SWARCO PGS solution and embracing smart technologies, Zephyr allows all signs to be monitored from a single central system including School, PRISM, Traffic Information, Fixed Message Signs, Car Park Guidance and Car Parks. With an easy to use interface and access via a web browser, this is the simplest and most effective way to manage traffic.
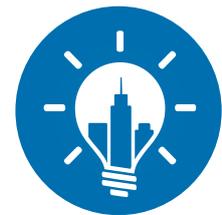
LOCATING ASSETS

Key features include a detailed zoom pan map, which clearly mark each asset. Locating moveable trailers, signs and car park counters is simple.

SMART SOLUTIONS

URBAN ENVIRONMENTS

Urban environments need to be closely monitored to keep them running smoothly, with Zephyr managing urban environments is made simple, it is also UTMC compatible.

INFORMATION

Zephyr provides users with asset information, including current set messages, timetabling and precise fault logging. It also provides in depth statistical reports.

SECURITY

A Hosted Solution provides ultimate security. All accounts are also password protected, with password reset available. All information is held at a ISO270001 certified data centre.

ZEPHYR

ZEPHYR CONTROL SYSTEM

P — CAR PARK ASSETS

! — WARNING SIGNS|
VEHICLE ACTIVATED SIGNS

VMS|PARKING GUIDANCE|
TRAFFIC INFORMATION

25 3 8 32 4 64 18 — COUNTING EQUIPMENT|
OUTSTATION AND DETECTION

SMART CITY MESSENGER
TRAILER VMS

![swarco]

ZEPHYR

Zephyr from SWARCO Traffic Ltd. is the ultimate sign and parking management system. Using the underpinnings of our the well established PGS system, Zephyr provides a user friendly and powerful web based management system designed especially for our PGS customers. Zephyr adds the capability to manage full colour matrix signs, creating, uploading and scheduling text and graphical messages.

Key Features

- Access anywhere via web browser such as Chrome, Edge or Firefox
- Easy to use interface especially designed for full colour matrix signs means any message, image or pictogram can be used using simple drag and drop, free text or uploads via bitmap.
- TSRGD Rule checker to ensure any free text messages meet the required highway standards
- Location management via the map, as it pinpoints all assets
- Statistical information for strategy analysis
- Quickly view asset status, schedule and fault reports at the touch of a button
- Timetabling mass messaging and scheduling allows for strategy planning across a region
- Hosted in a secure ISO27001 certified datacentre, information is safe yet accessible
- Communications include UTMC, GPRS & 3G/4G

Management of Assets Including;

- Variable Message Signs and Trailer VMS, Car Parks, Vehicle Activated Signs and School Warning Signs with our Profectus controller fitted.
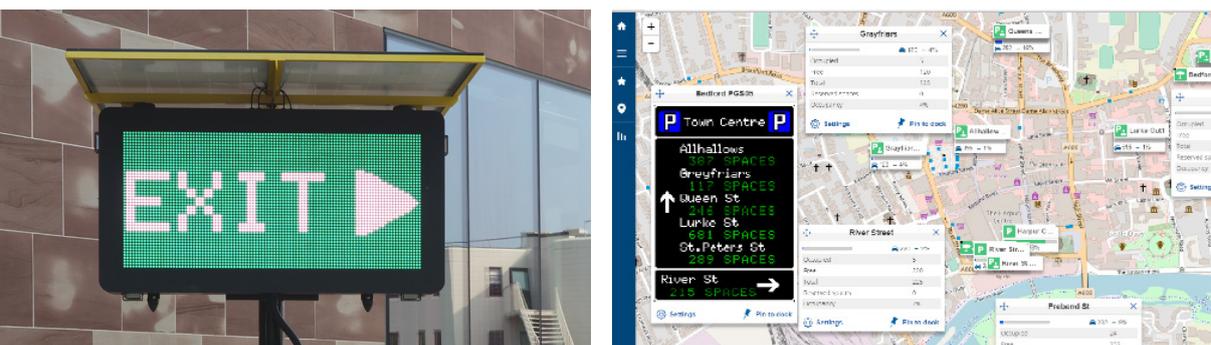
Benefits

- Each account user can have their own log on details, improving security.
- Ability to set personalised settings, customised navigator view enables easy viewing of particular assets or locations.
- Reduces the need for scheduled site visits as remote feedback is available
- Urban traffic strategies can be managed efficiently
- UTMC Communication for a flexible solution
- An interface especially designed for full colour matrix signs

FOR THE USER

Accessed via web browser, the user interface has been designed with the user in mind. With a personal account for each member, users can setup personalised navigation views to permanently display critical assets.

Communications

- Zephyr offers a variety of communication methods including ADSL, Mesh and 2/3/4G
- Zephyr can be used with our Profectus processor broadening the options even further

Asset Navigation

• View the locations you require by 'docking' them to your page, these will appear whenever you navigate to home the home page, never losing sight of the assets you manage.

Maps

•Zoom and pan maps; view every asset on the system on a map with the ability to zoom, view street names and pinpoint locations.

•View current status of each asset with colour coding, identifying if signs are powered, error messages or the sign message mode at a glance.

Schedules

•Programmed group Messages allow pre-programmed strategies to be scheduled to operate across multiple sign types.

•Use timtetabling to set messages to at pre-arranged times such as during peak times. An ideal way to uodate school signs or mixed messages signs across the network.

•Pre-set up to 200 messages, ensuring the user is prepared for any eventuality

Monitoring

•A fully comprehensive list of fault log reporting tools are available through Zephyr, including alert of an LED failure, communications failure, schedule or timetable failure and power failure.

TRAILER VMS MANAGEMENT

Maps

- The automatic location tracker ensures that trailer VMS can always be located, critical whilst the sign is out on the road.
- Use the customised asset navigation window to be able to always view the sign message, location and sign status.

Setting Schedules

- Timetabling enables set messages to be shown at pre-arranged times, this is ideal for use during peak periods.
- Group Messages can be set across an entire region to display across multiple signs simultaneously, making management of an area much simpler, perfect for event management.
- Special Days can also be set, programme messages or images to only appear on set days.

Statistical Data

- Zephyr is able to remotely mointor alerting the user to any faults including alert of an LED failure, communications failure, schedule or timetable failure and power failure.

CAR PARK MANAGEMENT

Location Management

- 'Dock' the location to the home page using the customised navigation window, ensuring particular assets can be viewed at all times, view occupancy data, parking statistics and sign messages

Setting Schedules

- Timetabling enables set messages to be shown at pre-arranged times, this is ideal for use during peak periods or leading up to an event.
- Car Park business hours and Special Days can be set, ideal for car park locations that don't have the same opening hours every day.

Statistical Data

- View occupancy levels and set business hours
- Use colour coding to display car park occupancy, occupancy data is vital to car park management, Zephyr can provide details data and analysis on occupancy, traffic counting, entry and exit times providing both averages and daily specific data in charts, graphs and exportable data. This can exported via PDF, to excel or directly to a printer.
- Use the customised sort facility on the data reports section to ensure users utilise the data available.

PRODUCT SPECIFICATION

Sign Type	Timetabled operation	Schedule messages	Location pinpoint	Fault monitoring	Set free text messages and Pictograms	Statistical data feedback	Message Control
School Sign	●		●	●		Optional	
Vehicle Activated Speed Warning Signs			●	Optional		Optional	
Warning Signs	●		●	●		●	
PRISM		●	●	●			●
Counting equipment/ outstation			●	●		●	
Detectors			●	●		●	
Parking Guidance Signs		●	●	●			
Traffic information Signs			●	●			●
Variable Message Signs (VMS)		●	●	●			●
Smart City Trailer VMS		●	●	●	●		●
Full Colour RGB Matrix Signs		●	●	●	●		
Car Park Asset	●		●	●		●	

SWARCO

SWARCO is a growing international group providing a complete range of products, systems, services and solutions for road safety and intelligent traffic management.

With almost five decades of experience in the industry, the corporation supports the growing mobility needs of society with turnkey systems and solutions in road marking, urban and interurban traffic control, parking, public transport, infomobility and street lighting. Cooperative systems, V2I communication, electromobility, and integrated software solutions for the Smart City are the latest, future-oriented fields in the group's portfolio.

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