



SAV & CAV

Shared & Connected Autonomous Vehicle

ROUTE INFRASTRUCTURE

- **Passenger Shelters & Waiting Rooms**
- **Terminals & Docking Stations**
- **Stopping Point Signage, Digital Signage, Kiosks**

The world's leading provider of intelligent mobility route infrastructure

Large range of standard designs available

Design, manufacturing and site installation services for bespoke customer solutions



Members of



UK Electric Vehicle Supply
Equipment Association



Low Carbon Vehicle Partnership



Electric Vehicle Association Scotland

trueform



CREATING SMART MOBILITY STREETSCAPES

Shared & Connected Autonomous Vehicles (SAV & CAV) can only work efficiently as a network if they are connected with not just other vehicles, but also with passenger information signage and waiting room infrastructure along the road.

The deployment of SAV & CAV vehicles provides an opportunity for Trueform to deploy its range of passenger information and boarding infrastructure, to create new mobility ecosystems.

Trueform builds ultra-connected, highly intelligent, SAV & CAV infrastructure streetscapes for city streets, public transport and public spaces.

Our range of people centred, smart, sustainable route furniture and infrastructure can incorporate the latest digital display and communication technologies, enabling the smarter, greener and more efficient movement of data, information, communications media and people around the world.

Trueform is part of the Trueform Manufacturing & Technologies Group, global leaders in the provision of public transportation, intelligent mobility, EV, Connected Autonomous Vehicle, SmartCity, wayfinding, zero emission travel, digital advertising, DOOH and applied digital display and technology solutions.

With over 40 years of experience, with significant depth of knowledge and expertise gained internationally, Trueform have provided some of the largest and most successful cities and clients in the World with their supporting infrastructure and systems within the bus, rail, BRT/LRT, EV, CAV, wayfinding, cycling, airports, Smart city and advertising industries.

The leading supplier of CUSTOM BUILT SAV & CAV ROUTE INFRASTRUCTURE

Trueform Manufacturing & Technologies Group are a leading manufacturer of custom structures for transportation applications, including SAV & CAV canopies, shelters, waiting rooms, stopping point signage and digital kiosks.

Working in collaboration with the SAV & CAV industry, SAV & CAV suppliers, architects, scheme designers, main contractors, cities, government & local authorities, Trueform has over 40 years of experience, with over 150,000 structures installed Worldwide. We are global leaders in the provision of public transportation, intelligent mobility, Smart City, low, ultra-low and zero emission mobility solutions.

Bespoke Manufacturing & Installation Services

Trueform's comprehensive in-house design, engineering and manufacturing resources enables the timely, cost effective supply and installation of fabricated architectural structures to suit any client requirements. Over the years Trueform have provided award winning structures for a wide range of applications.

All of Trueform's structures are fully engineered to the highest standards and can be supplied in a range of elegant, robust materials and finishes to suit individual architectural requirements and to exacting customer requirements.

Our many years of experience enables us to provide high quality custom built products that are easy and cost effective to install, erect and maintain.

Standard 'Off the Shelf' Products also Available

In addition to our custom design and manufacturing services, we also have a comprehensive range of standard 'off the shelf' shelters, canopies, waiting rooms/docking stations, totems and digital signage.

SPECIALIST AREAS OF OPERATION

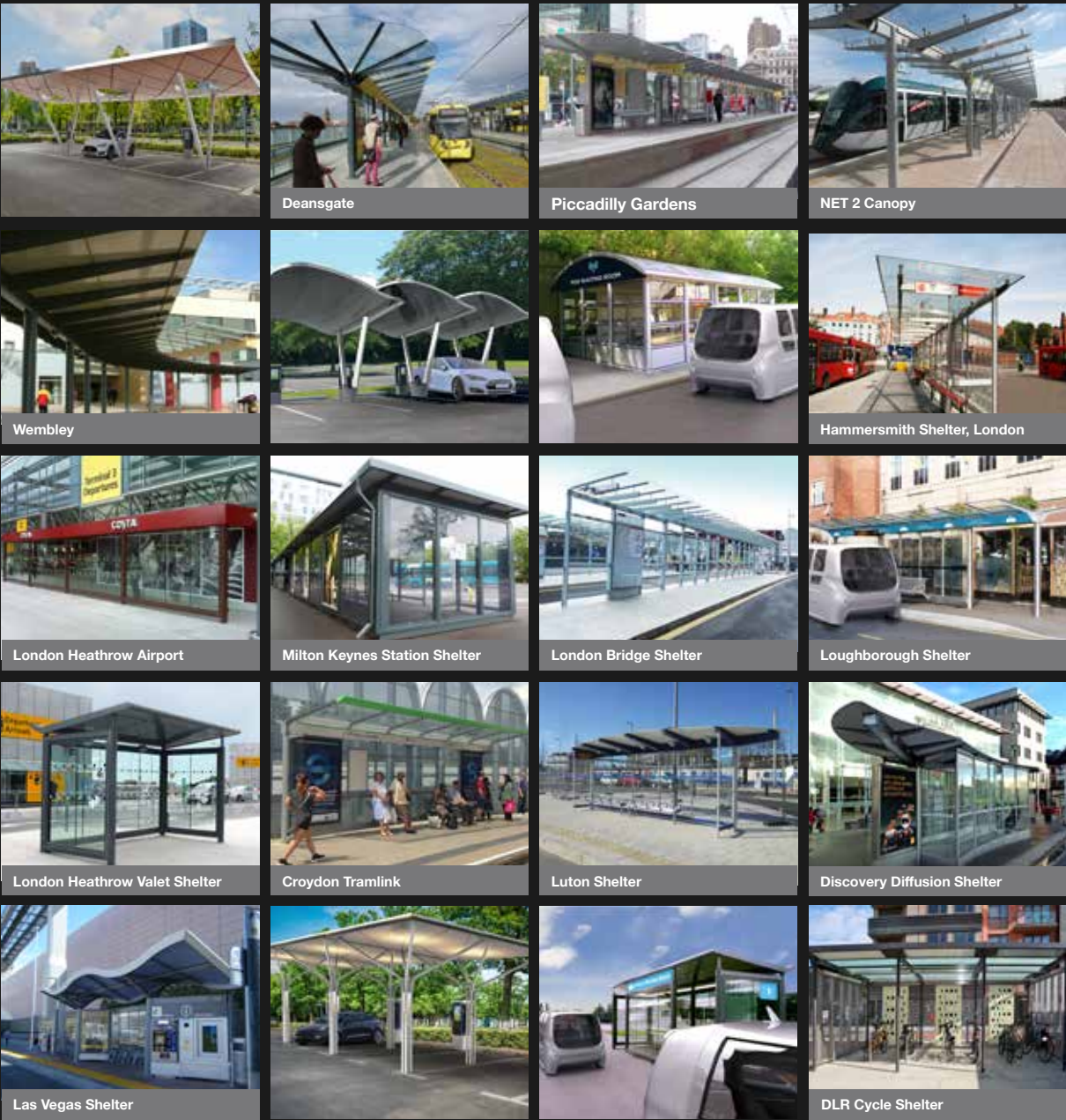
- Construction Related Fabrication Services
- Transport & Airport Infrastructure Fabrication
- Stainless Steel & Aluminium Fabrication
- Laser Cutting and Forming
- CAD Design & Specialist Engineering
- Specialist Finishing Services
- Signage Graphics Production
- Project Management
- Nationwide Installation & Site Fitting
- Modular Construction & Site Erection

SECTORS & INDUSTRIES SERVED

- SAV & CAV
- Electric Vehicle Charging
- Bus Stations & Interchanges
- Bus Rapid Transit
- Train Stations
- Tram & Light Rail Networks
- Airports
- Cycle Storage
- Schools
- Colleges & Universities
- Shopping Centres & Retail



SAV & CAV Shelters, Canopies, Waiting Rooms & Docking Stations

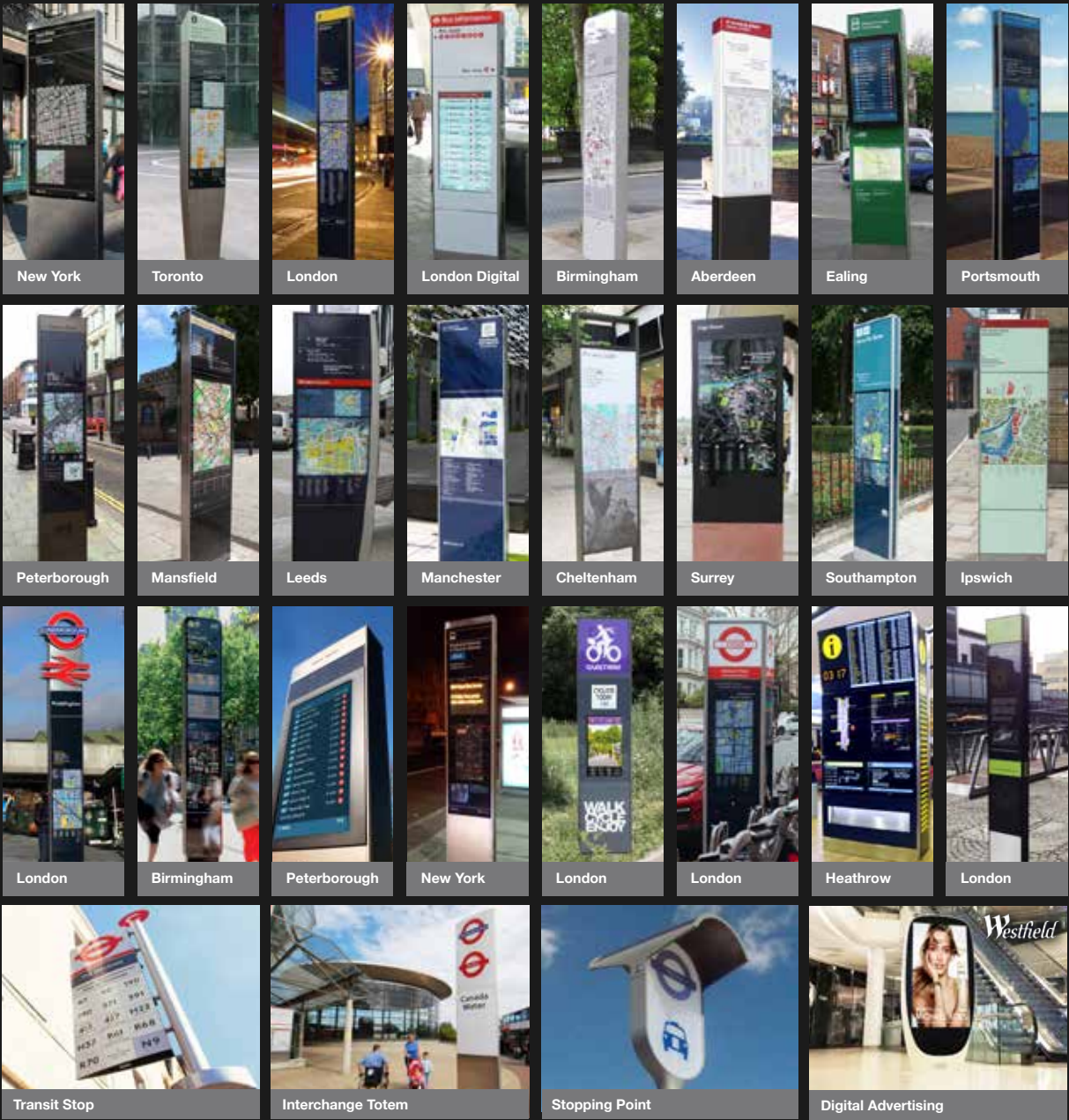


Our smart SAV & CAV shelters, waiting rooms and docking station environments are welcoming, safe, comfortable, highly visible, distinctive and easy to use, by everyone.

We have the largest, most comprehensive range of shelters and canopies available in the industry, specifically designed

for intelligent mobility applications. We also offer a bespoke design and build services and custom manufacture and fabrication services for project specific designs created by designers and architects.

SAV & CAV Stopping Points, Signage, Digital Totems & Kiosks



Trueform are the leader in Smart Mobility route furniture. We have provided stopping points, signage totems, outdoor Digital Smart Totems, Digital Displays and Wayfinding Signage in over 150,000 locations throughout many of the World's leading towns and cities. At the basic level our products provide the necessary route identification and stopping point signage information for the travelling public. We combine leading manufacturing techniques with latest Smart City and IoT technologies to create intelligent products needed to support today's SAV & CAV routes and services. Features include ultra-fast Wi-Fi, small cells, device charging, digital displays,

touchscreens, emergency assistance, CCTV, passenger counting, facial recognition, audience measurement, interactivity, digital advertising solutions and a range of air pollution, light and noise monitoring solutions.

Trueform's totems promote smart city living and personal mobility to residents, commuters and visitors. It provides them with access to information which helps them navigate around the city. With user friendly, easy to use detailed maps and digital interactive displays showing which routes and directional path to take, smart totems can also boost local business and the economy by energising locations.

Design & Build Services

Working in collaboration with the SAV & CAV industry, SAV & CAV vehicle suppliers, architects, scheme designers, main contractors, cities, government & local authorities, Trueform provide a comprehensive design, manufacture and installation service for bespoke SAV & CAV route infrastructure. We would be happy to discuss your requirements in more detail and provide you with a competitive quotation to undertake your project specific requirements.

In House Services include:

Design & Engineering Services

- Concept designs
- 3D visualizations & renderings
- Animations and walk throughs
- CAD manufacturing drawings
- Structural engineering
- Foundation designs
- Prototyping & product testing

Manufacturing Services

- Full manufacture & fabrication Service
- Architectural metalwork
- Structural Steelwork
- Laser cutting and forming
- Specialist Finishing Services



Project Management

Trueform's experienced, well-trained and disciplined project managers follow proven project management procedures.

Utilisation of leading planning and management tools gives Trueform full control of quality, cost and programme and ensures successful project management.

Strict adherence to all company quality and health and safety processes ensures a high quality product and a safe working site. Trueform are able to give an individual response to the needs of each project and respond quickly and accurately to changes wherever they occur.

Collaboration with clients, architects & designers From concept to manufacture - a seamless process

Installation, Site Fitting & Erection Services

Trueform provide a comprehensive nationwide assembly, erection, site fitting and construction supervision.

Services Include:-

- Civils & Excavation
- Foundation Construction
- Installation & Erection
- Project Management
- Electrical Connection & Commissioning
- NERS Cable Jointing
- RTI Support Services
- RTI/ITS System Commissioning
- Testing & Certification
- Maintenance
- Emergency Call Out Services



Dundee Transit Hub

Modular Construction Techniques

Trueform employs modular construction methods which allows the construction of technically complex fabricated metalwork structures to be undertaken quickly and safely by minimising on-site construction times.

Factory fabricated and pre-assembled, the sub-assembled parts are packaged and shipped to site. After delivery, the components can be readily assembled, allowing reduced site occupancy times, reduced costs and shorter programme times.



Las Vegas Shelter



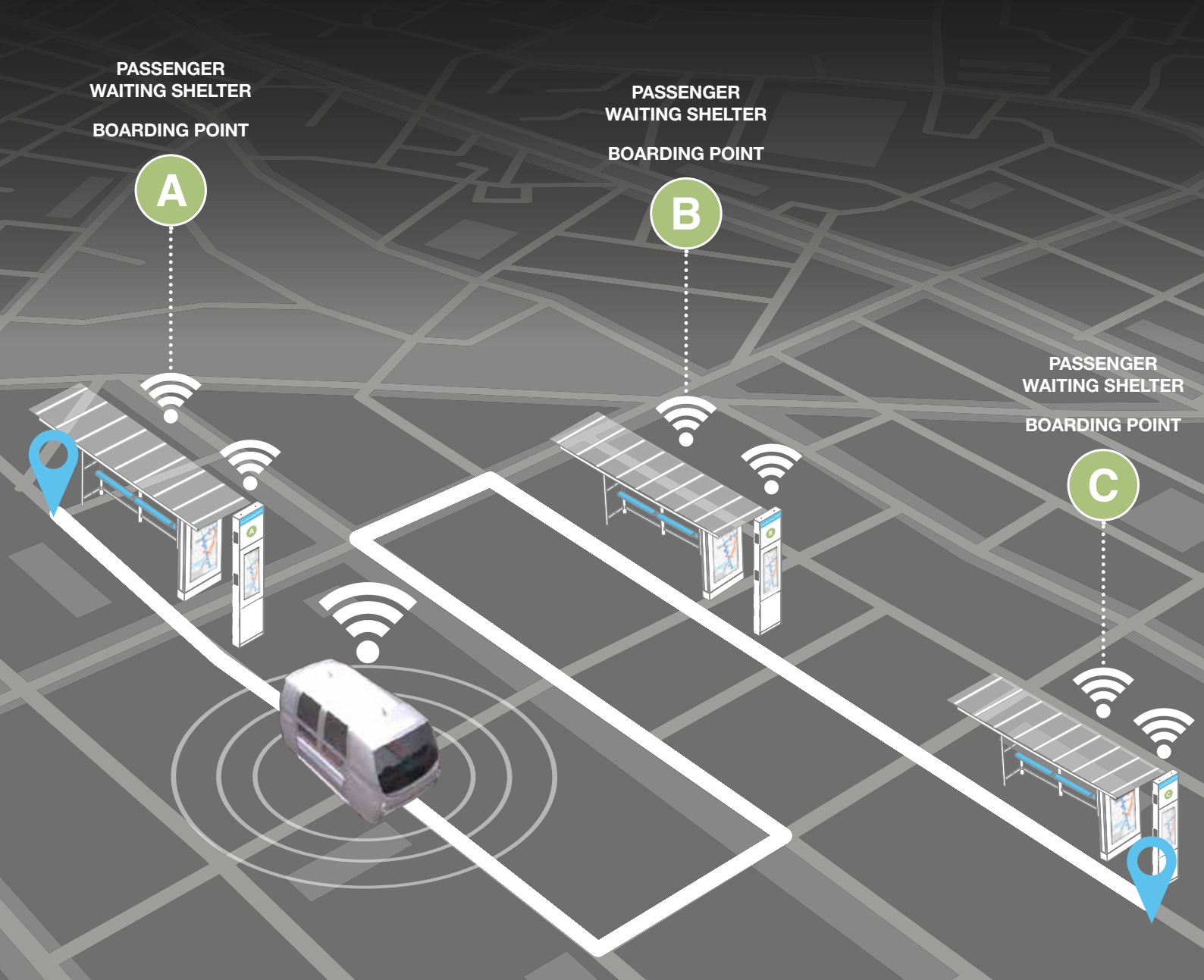
Why choose Trueform?

Mobility is the central basis for economic growth and prosperity in our globalized world, both in urban centres of population and in less densely populated areas.

Trueform provide infrastructure solutions for public transport and personal mobility applications to meet this requirement.

Trueform blend specialist design engineering and manufacturing skills with an in-depth knowledge of intelligent mobility and SAV & CAV operations.

Trueform believes SAV & CAV transport environments should be welcoming, safe, comfortable, highly visible, distinctive and easy to use, by everyone. Graphical, service and operational information should be unambiguous and clearly presented. To achieve all of these things our design approach has to be collaborative and rigorous, intelligent as well as inventive.



Contact our sales office on **020 8561 4959**, email us at sales@trueform.co.uk or visit www.trueform.co.uk for more information on any of our products