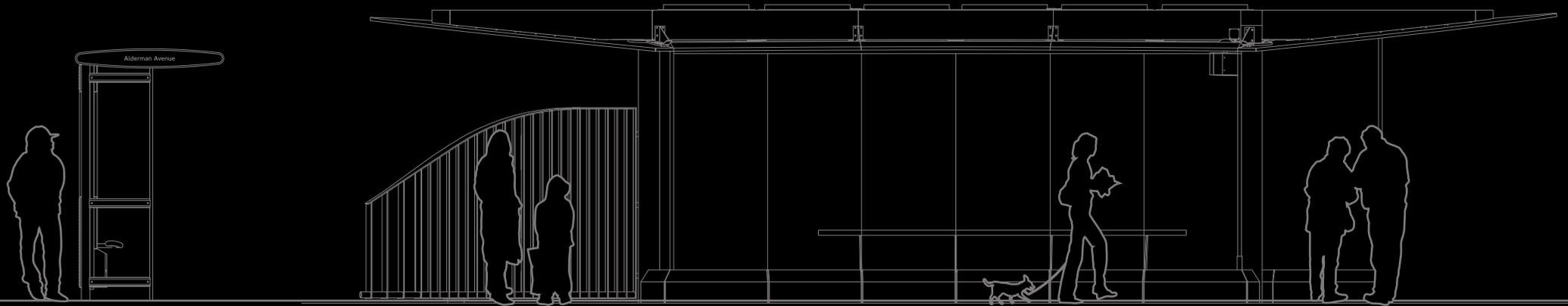




Shelter Projects

Design, Manufacture, Installation & Maintenance



A Pioneering Manufacturing & Technologies Company

trueform



THE WORLD'S LEADING SHELTER SUPPLIER

Trueform have a comprehensive 'off the shelf' range of innovative transit shelter designs to suit virtually all customer requirements.

Trueform's ability to blend creative new bus shelter design with sound engineering expertise coupled with its hands-on installation and maintenance experience enables it to provide bus shelters that are not only a powerful visual calling card for the promotion of public transport but are robust, vandal resistant and easy to maintain.

Trueform designs meet the demands of busy global cities. They are functional, comfortable, safe, modular and ecological. Each shelter has been individually designed and engineered to provide unrivalled customer benefits.

Style & Branding

- Visual appearance to complement a variety of architectural surroundings
- High profile tool for the promotion of public transport service

Strength & Performance

- Robust, vandal, graffiti and weather resistant materials and finishes
- Stainless steel, steel & aluminium construction options for lasting performance and appearance

Simplicity

- Strong, modular components for fast and safe erection on site
- Ability to accept RTI displays, digital information and Journey Planning modules
- Designed to accept covert CCTV cameras within shelter body
- Future Proofed and Technology enabled
- Range of Solar power lighting systems available
- Full compliance with regulations and guidelines (DDA)



ECO FRIENDLY, SUSTAINABLE SHELTERS MADE IN THE UK



Trueform's innovative, eco bus shelters are manufactured in house, within our UK based, carbon neutral, shelter manufacturing & technology centre.

Using low carbon, energy efficient materials and innovative manufacturing techniques, we ensure that our products have the lowest carbon footprint, providing significant environmental and social value benefits.

Our eco bus shelters are 'Planet Marked', for approved sustainability, and use both smart and renewable technology for a minimal environmental impact.

Trueform are a leading ESG company (Environmental, Social and Governance). Trueform's eco shelters have been assisting towns, cities and public transport authorities achieve ESG - the three central factors in measuring sustainability and societal impact.

Trueform work with their clients to 'transform cities', providing solutions that deliver a promising and sustainable future. Trueform holds ISO 14001 and PAS 2060 Carbon Neutral Certification.

Towns and cities throughout the world are using Trueform's range of low carbon, eco bus shelters to facilitate and encourage low carbon mobility and active travel, whilst improving public health, air quality and quality of life.

Trueform's eco shelters and digital display products are the most sustainable, lowest carbon, ethically manufactured products available in the industry. Trueform is the first choice for towns and cities looking to achieve the very highest ESG status.



Carbon
Neutral
PAS 2060





SOLAR POWERED SHELTERS

Trueform is also the largest provider of off-grid solar on stops and shelters, with over 5,000 solar stops and shelter installed by Trueform on stops and shelters in the UK, as well as providing many more in other major cities globally.

Our 'low-power' digital displays are optimised to reduce energy during operation, to save on energy running costs, reduce temperatures whilst increasing efficiency and long term performance.

Trueform's dedicated solar engineers work continuously on leading edge solar, LED energy management and battery technology developments to ensure that we are supplying the most reliable, value for money solar products at all times.

Trueform supply a range of solar lighting modules for a wide range of bus shelter designs, including flat, curved and pitch roof configurations.

Trueform's solar lighting systems can be custom made to fit new shelters or retro fit existing shelters to suit all customer requirements.

Features Include

- LED Energy Efficient Lighting Modules
- Energy Management System
- High Performance Solar Panels
- Specialist Wiring Loom Assemblies
- Long Life High Performance Solar Batteries
- Passive Infra-Red Detection
- Auto System Management & Power Save
- Light Output Adjustment – 'bright up' facility





GREEN LIVING SHELTERS

Powered by Nature

Trueform are corporate partners with the Woodland Trust and the Bumblebee Corporate Partners with Conservation Trust who we support by providing habitats for insects & wildlife with our Green Living Roofs.

Made from recycled materials, our range of green living shelters help reduce CO2 emissions, purify air, and provide ideal habitats for our endangered insects & wildlife. We can supply a roof garden substrate that is a great lightweight growing media for green roofs. This is accompanied by a root resistant waterproof drainage system, finished with wildflowers to encourage native pollinating insects.

We bring together some of the foremost experts in green roofs planted for biodiversity, designing habitat creation, and low maintenance native planting, alongside designers experienced in producing buildings, structures, and retrofit products that enhance our environment.

We will work with councils and organisations to identify suitable bus shelters for green living roofs to enhance biodiversity and improve air quality. Use of drought resistant plant species to minimise maintenance requirements. In addition to living roofs, we can also fit living walls to shelters.

The type of green roof planting and habitat creation we provide is designed to enrich an area or structure with biological diversity. We promote the use of native plants, especially in terms of meeting local and regional biodiversity targets for butterflies, insects and other invertebrates. We would typically include non-native flowering plants to extend the nectar season for solitary bees, hoverflies, butterflies and moths.

Benefits of Green Living Roofs:

☼ 54% reduction precipitation runoff	🐝 8-12% increase in insects /metre sq	@ 5-15 insulation level
🔊 2-12 dB sound reduction	🌿 239 g carbon reduction /metre sq	

Corporate partners with



DIGITAL DISPLAYS FOR PUBLIC TRANSPORT ENVIRONMENTS

Trueform Digital Passenger Transport Displays is a division of the Trueform Manufacturing and Technologies Group.

We provide complete integrated digital display and technology solutions, delivering high-quality passenger and real time information across a range of display technologies. We provide innovative, high quality, value for money digital display products that enable our passenger transport customers, Worldwide, to deliver intelligent, accurate and reliable information to the public. Our displays have been proven to increase passenger satisfaction, sense of safety and security, supporting the aim of increasing public transport usage and improving the sustainability of transport services.

Trueform's digital displays are proven to provide years of trouble free operation. Our weatherproof, interactive digital displays are available in sizes from 32" to 75". The displays provide easy user interactivity through audio, video, touchscreen and other accessibility options. Operating in tough outdoor conditions, our displays provide vibrant, animated video information and user interaction for a wide range of industries and uses.

- UK manufactured
- Lowest power solution on the market
- Operating range -10°C to +45°C
- Economic design
 - Small footprint
 - High-quality robust materials hold up to abuse, vandalism and wear-and-tear
 - Reduced glare with displays fronted by anti-reflective glass
 - Galvanised mild steel structure, powder coated external grade aluminium exterior
 - Painted powder-coated aluminium main casing – attractive, durable, easy to maintain
- Recyclable materials
- Planet Mark Certified
- Energy Saving
 - Automatic screen dimming based on daylight hours
 - State-of-the-art LED-backlit LCD screen consumes less power
 - Industrial-grade components reduce the need for cooling
 - Integrated operating system / dashboard gives quick access to data





TRUEFORM OUTDOOR MEDIA
A pioneering out of home media business

trueform
outdoor media

Trueform Outdoor Media is an OOH media business. Part of the Trueform Manufacturing & Technologies Group, the company uniquely provides a one-stop-shop for the provision of media sales and advertising with in-house supply, installation and maintenance services for roadside street furniture assets.

With over 45 years of experience, Trueform has equipped many of the UK's and World's towns and cities with stunning, leading edge street furniture, signage and digital signage assets.

Trueform transform urban environments by uniquely blending in-house street furniture and digital signage manufacturing, technology, installation and maintenance capabilities with outdoor advertising and digital advertising expertise - providing sustainable roadside infrastructure assets, valuable funding streams, maintenance and support services to our towns, cities and local communities.



OUTSMART

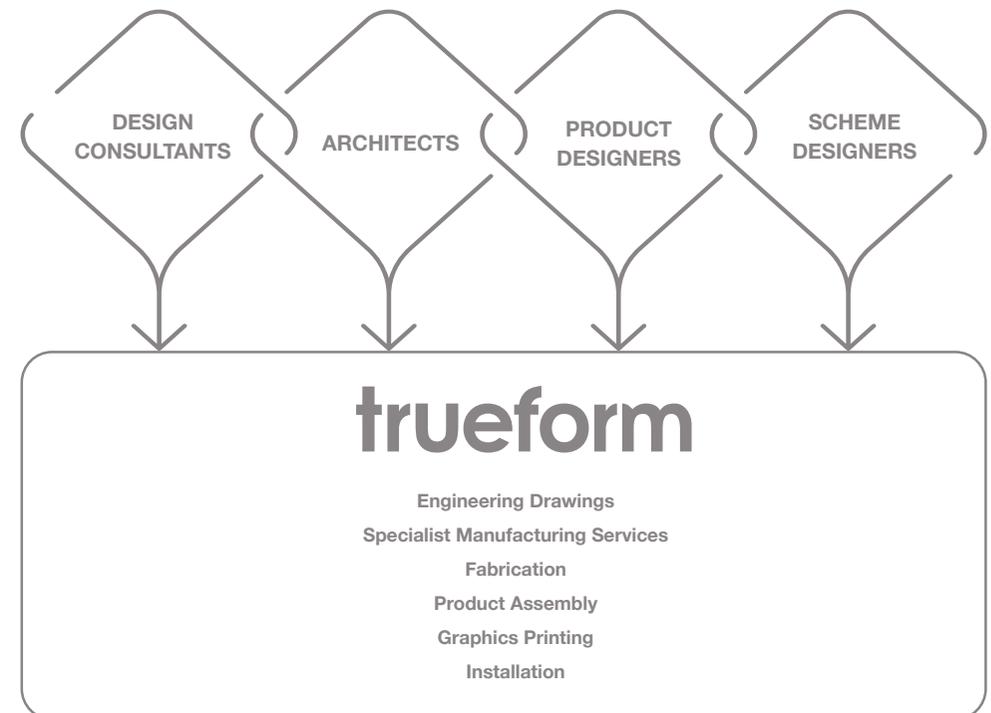


BESPOKE MANUFACTURING SERVICES FOR PRODUCTS & STRUCTURES

Trueform are the leading manufacturer of custom manufactured structures, including signage, street furniture, airport products, shelters, canopies, wayfinding and digital signage. Working in collaboration with architects, scheme designers, main contractors and transport authorities, Trueform has over 40 years of experience, with over 150,000 structures installed worldwide.

Bespoke Manufacturing Services

Trueform's comprehensive in-house engineering and manufacturing facilities enables the timely, cost effective supply and installation of manufactured architectural products and structures to suit any client requirements. Over the years Trueform have provided award winning products and 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 bespoke products that are easy and cost effective to install, erect and maintain.



CERTIFICATIONS & QUALIFICATIONS



- Quality Management ISO 9001:2015
- Environmental Management ISO 14001:2015
- Health & Safety Management ISO 45001:2018
- Energy Management Certification - ISO 50001
- Member of Outsmart
- Member of World Out of Home Organization
- NICEIC Approved Contractor
- NERS – National Electricity Registration Scheme
- Open Reach Installation Qualified
- PlanetMark Certified Business
- Cyber Essentials
- UKCA (CE) Certified
- RoSPA
- Sentinel – Network Rail Safety Scheme
- RISQS – Railway Industry Qualification
- CSCS – Construction Skills Certification Scheme
- CHAS – Contractors Health & Safety Scheme
- CHSG – Construction Health & Safety Group
- Made in Britain
- Transport Supplier of the Year
- Social Value Quality Mark Bronze Accreditation



SOCIAL VALUE

Trueform are a leading ESG company (Environmental, Social and Governance). Trueform's green street infrastructure products assist organisations achieve ESG - the three central factors in measuring sustainability and societal impact. Trueform work with clients to transform cities, providing solutions that deliver a promising and sustainable future. We are delighted to be supporting local communities to improve economic, social and environmental wellbeing through city and town centre enhancements and engagement.

Our management team leads by example: promoting active travel, enhancing health, reducing environmental impact and improving overall quality of life.

We innovate to bring new and enhancing sustainably designed products, improve technology, practices in manufacture and maintenance, evaluating and reviewing constantly.

We have enacted environment plans to achieve Net Zero, actively support local economies, provide training and education and ensure inclusivity.

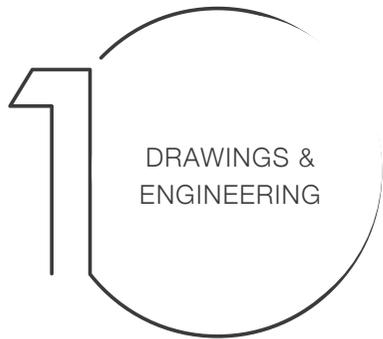
We support communities through our corporate partnerships, local charities and wider volunteering initiatives including our corporate partnerships with The Bumblebee Conservation Trust, The Woodland Trust and Crisis.





ENGINEERING & MANUFACTURING SERVICES

- Fabrication Drawings & Engineering
- CAD Design & Specialist Engineering
- Structural Engineering
- Rapid Prototyping
- Specialist Custom Manufacturing
- Stainless Steel & Aluminium Fabrication
- Glass, GRP, Corian & Plastics Fabrication
- Construction Related Fabrication Services
- Laser Cutting & Forming
- Laser Cutting & Forming
- Specialist Finishing Services
- Digital Display Technology (Indoor & Outdoor)
- Signage Manufacture
- Airport & Transport Infrastructure Fabrication
- Signage Graphics Production
- Mechanical Engraving
- Project Management
- Nationwide Installation & Site Fitting
- Modular Construction & Site Erection



COLLABORATION WITH LOCAL COUNCILS & TRANSPORT AUTHORITIES

From concept to manufacture - a seamless process





ADVANCED SHELTERS

Robust, vandal resistant & future proofed

Trueform have provided advanced bus shelter solutions to many major cities globally and has unrivalled expertise in shelter design, engineering & the quality presentation of transport information, providing both static and a full range of electronic digital display platforms.

Trueform have a comprehensive 'off the shelf' range of innovative bus shelter designs to suit virtually all customer requirements.

Robust, vandal resistant and future proofed, our shelters provide both passengers and transport authorities with the following benefits:

Benefits of a Trueform shelter

- A high quality product range based on years of experience in major cities internationally.
- Fully future proofed designs - A platform for the delivery of advanced RTI and Intelligent Transport Systems
- Fully modular designs, advanced engineered solutions
- Robust, long lasting materials & finishes
- Cost effective and easy to maintain for long lasting appearance
- Safe, welcoming places for passengers to congregate
- Eco friendly construction, with LED and solar powered illumination options
- Full compliance with structural regulations, best practice guidelines & DDA
- A powerful marketing platform for the promotion of public transport





MATERIALS, FINISHES & FEATURES AVAILABLE

Our structures can be supplied in a range of combined materials & finishes, including:-

- Stainless steels
- Steels / Galvanised
- Aluminium
- Glass
- Composite Fiber
- GRP - Glass Reinforced Plastic Composites
- GRC - Glass Reinforced Concrete
- Stones and granites
- Composite stone materials
- Timber
- Brushed, satin and linen finish stainless
- Shot peened stainless
- Polyester powder coated – all colours
- Galvanising
- Anodising
- Anti-graffiti coatings
- Seating
- Range of glazing options (glass, laminated glass, polycarbonates, composites)
- Automatic sliding doors
- Heating & air conditioning
- Advertising displays
- Rainwater management
- Signage and custom printed graphics
- Digital RTI Displays
- CCTV Cameras
- Anti-Graffiti Protective Coatings
- Bomb Blast Protection
- Solar Power Lighting



BESPOKE SHELTER, CANOPY & WALKWAY DESIGN SERVICE

In addition to our comprehensive 'off the shelf' range, Trueform also provide a bespoke design and engineering service for shelters, canopies and walkways. Trueform's in house design engineers are able to provide truly innovative, tailor made solutions to suit any client's needs.

Design & Engineering Services

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

Manufacturing Services

- All shelters manufactured in-house
- Construction related fabrication
- 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.





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.

Installation, Site Fitting & Erection Services

Trueform provide a comprehensive nationwide assembly, erection, site fitting and construction service. Fully experienced and qualified to undertake construction work on the UK's road, rail, tram and airport networks, Trueform are approved and certified by the following bodies:- RISQS, LINK UP, CHAS, CONSTRUCTION LINE, CSCS, LUL Sentinel and many others.

Services Include:-

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



With a network of installation depots strategically located around the UK, Trueform's nationwide teams of site civils and installation engineers are fully certified and trained to required standards, including:- CSCS, NRSWA, Railway – PTS, London Underground Sentinel, Airside.



TRANSPORT FOR LONDON

Trueform have a highly successful, long standing track record of high quality and on-time delivery across a variety of contracts for TfL. With a relationship dating back over 30 years, Trueform have been at the forefront of TfL's transport infrastructure design and manufacture across all modes. This includes pioneering work in the deployment of bus shelters, wayfinding signage, digital displays, seating and much more, all custom designed for TfL, and built with the on-street environment in mind.

With over 50,000 assets deployed across Greater London, Trueform's work with TfL showcases a breadth of design and manufacturing experience, and the capability to adapt to a client's specific needs. In addition, the projects highlight Trueform's commitment to innovation within the public transportation, healthy streets and smart city sectors.







JCDECAUX LONDON

Due to Trueform's unrivalled experience in both digital display manufacture and on-street installations, JCDecaux approached Trueform to produce bespoke housings for, and install, over 650 digital outdoor totems at some of the busiest and highest profile locations in London.

Given Trueform's expertise in metalwork, digital display technologies and familiarity with working on the streets of London, Trueform were the ideal choice to undertake these works. All works were successfully completed ahead of schedule, and to the highest standard.

The scope included:

- Design and manufacture of custom housings for 1000+ 84" outdoor digital displays
- Site surveying and asset logging
- Traffic Management
- Civils/foundation works, including surface reinstatement
- Installation and commissioning of totem





SOUTHAMPTON CRUISE SHIP LOUNGE

As part of plans to transform Southampton Central Station, an international gateway providing ease of access to the Port, cruise terminals and into the City Centre, Trueform have designed, manufactured and installed a new passenger lounge for cruise ship customers and a bus shelter.

The new passenger lounge and bus shelter includes design details such as:

- Internal and external real time passenger information screens
- Bespoke seating and tables
- Floral sedum roof tiles
- Integrated halo lighting
- High-level signage and wayfinding
- Art-deco style banded, curved glazing





EDINBURGH TRAMS SHELTERS

Trueform manufactured and installed all of the platform shelters, customer seating, signage and litter bins throughout Edinburgh's prestigious tramway extension.





Manor Royal Central

METROBUS
0320



MANOR ROYAL SUPERHUB

Trueform were awarded the supply and installation of shelters and signage for the Manor Royal Superhub project.

Manor Royal Central is the first planned Superhub. It is a busy westbound bus stop in a highly visible from both directions along Manor Royal road and from Faraday Road.

More than a bus stop, the Superhub is transforming this space into something more inspiring, usable and eye-catching, with a fantastic new bespoke, bigger shelter, public art, new seating and planting.





INTERCONNECT, BIRMINGHAM

In 2013, Trueform were awarded the supply and installation of shelters and signage for the Birmingham City Centre Interchange and Interconnect projects. Responsible for the fabrication drawings, structural engineering, full manufacture, assembly and installation of the full product range, this project showcases an ability to successfully work with a variety of manufacturing techniques and materials, including manufacture of digital outdoor assets.

The scope of the project was to work with Centro and Birmingham City Council to manufacture and install a range of products, including:

- Bespoke bus shelters
- Area wayfinding totems
- Interchange wayfinding totems
- Digital bus stop totems

This striking, contemporary product family is a fine example of how precision engineering and manufacturing techniques can bring a vision and design concept to fruition in the public realm.





LAS VEGAS

Trueform unveiled its innovative sinewave bus shelter for the Regional Transit Commission (RTC) outside Caesars Palace Hotel and Casino in Las Vegas. The RTC commissioned Trueform to produce shelters for installation at more than 100 sites along the famous strip.

The graffiti-proof shelters incorporate creative design and manufacturing methodology with high strength, high temperature resins to withstand the 120-degree desert temperatures in Nevada. Other innovative features include high performance solar lighting and LED advertising displays, CCTV cameras, ticket machines and state of the art electronic signage.







WOKINGHAM GREEN ROOF SHELTERS

Trueform were awarded a contract for supply of new bus shelters across the Wokingham Borough for a ten-year period.

These new modern, environmentally friendly and sustainably produced shelters, all of the same design chosen by the council, are encouraging residents to connect with nature and the community .

The shelters are also enhanced with green plant-covered roofs.

The digital panels used are the lowest consumption of energy on the market, making them as cost efficient as possible.





SAN DIEGO, CALIFORNIA

Trueform were awarded a major USA contract with San Diego, for the supply and delivery of transit shelters and RTPI Displays for the South Bay Rapid Project.

Trueform have manufactured 33 transit shelters and 29 RTPI structures with the first shelter delivered in August 2016. The shelters are of modular design incorporating a range of features including, seating, publicity display, lighting and real time Information.





RAPIDRIDE, KING COUNTY METRO TRANSIT

Trueform along with King County and their Architects, have gone through a 2 year design review, prototype and implementation all leading towards the first deliveries of shelters for the H line in late 2021 and completed by mid 2022. This is a 10 year contract to provide both shelters and Tech pylons to King county.

When the RapidRide H Line launches in fall 2022, it will come more often and be more reliable than Route 120 is today. It will provide connections from neighborhoods in Burien, White Center, and West Seattle to downtown Seattle along Third Avenue and South Lake Union. RapidRide H Line will also provide much needed connections to other bus service and Link light rail.



DENVER RTD, COLFAX

Trueform were awarded the contract in early 2019 to supply transit shelters for Regional Transportation District in Denver, Colorado. Working with Regional Transportation District, these shelters will help increase bus ridership by encouraging modal shift. These shelters include public information displays to help encourage and retain bus ridership.





PARTICK INTERCHANGE

Trueform successfully completed the manufacture and installation of the bespoke designed passenger interchange shelters and digital signage for the prestigious Partick Bus Station Redevelopment project. The highly complex, bespoke fabricated shelters provide a premium environment for intelligent transport services. Trueform's scope of works included production drawings, engineering, fabrication, finishing, assembly and full on-site erection and commissioning.

Partick Interchange is an important integrated transport hub for West Glasgow serving one of Scotland's busiest and most densely populated areas. The £2.5million refurbishment including extensive remodelling work to integrate with the adjacent rail and subway station, the new look interchange will also incorporate into cycle and footpath networks will significantly improve the connected transport experience.







MANCHESTER METROLINK

Trueform have extensive expertise and experience in the manufacture and install of street furniture products for Transport for Greater Manchester (TfGM).

TfGM awarded Trueform a 12 year contract to manufacture and install up to 800 new platform shelters throughout Manchester's tramway network. Trueform's 'Integra' shelter provided Metrolink with the modular design, high quality appearance and highly engineered construction they were looking for. The shelters have been designed using modular construction techniques and intelligent cable management to facilitate rapid installation.





COMMUNITY TRANSIT, SEATTLE

Installed throughout the new Community Transit BRT route, these iconic shelters were manufactured and installed by Trueform, and incorporate the latest engineering and manufacturing techniques, and material innovation.

Trueform collaborated with Community Transit to achieve a unique, branded BRT design that incorporated pioneering use of colour, lighting, signage and specialised manufacturing techniques. Trueform were able to utilize its transit engineering and manufacturing experience to deliver this prestigious project.

The shelters, praised for their attractive design, feature the latest in transport technology, including ticket vending machines, digital information, displays and audio service information.

The Bus Rapid Transit project will improve mobility, connectivity, and accessibility in the area, help spur local economic growth and help changed public perception of passenger transit systems







MIAMI, FLORIDA

The first air-conditioned bus shelter in the region was formally opened in a ribbon-cutting ceremony in Hialeah.

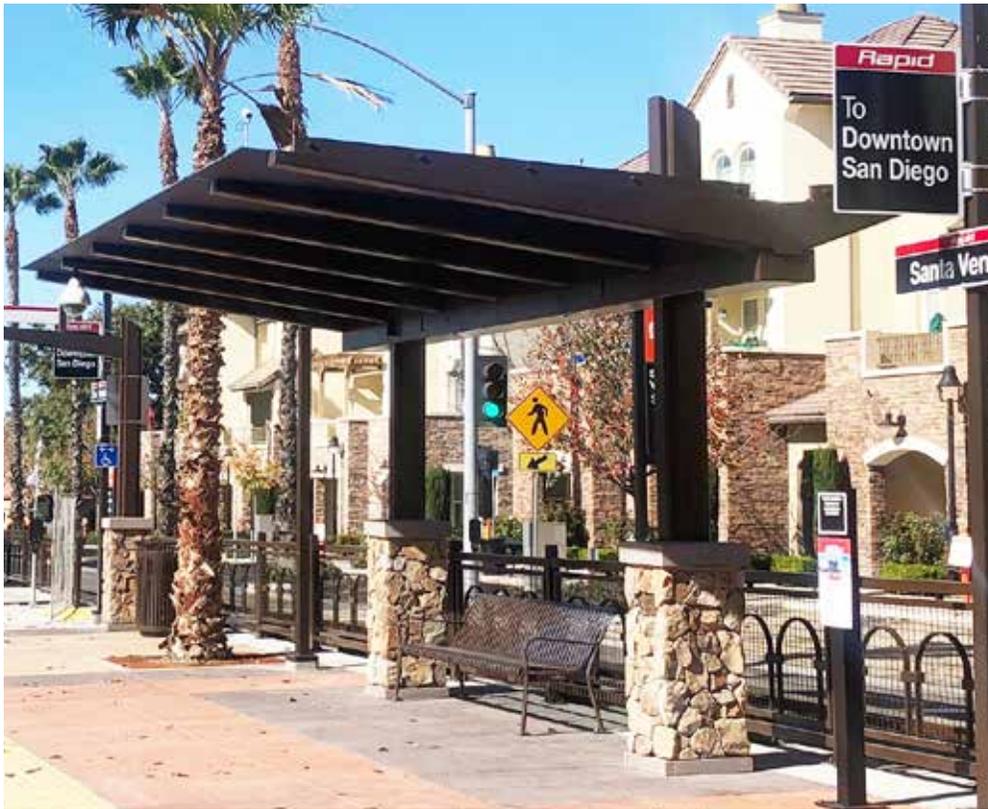
Miami-Dade County and Hialeah officials gathered to formally open the air-conditioned bus shelter at the Hialeah Metrorail station. The structure has a sliding door and contains a row of seats inside.

The enclosed air-conditioned shelter has room for four people seated, and 11 standing.

It's part of a pilot program that eventually could lead to the installation of more airconditioned bus shelters in Miami-Dade.

These air-conditioned shelters incorporate advertising displays outside and inside,





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NOTTINGHAM EXPRESS TRANSIT

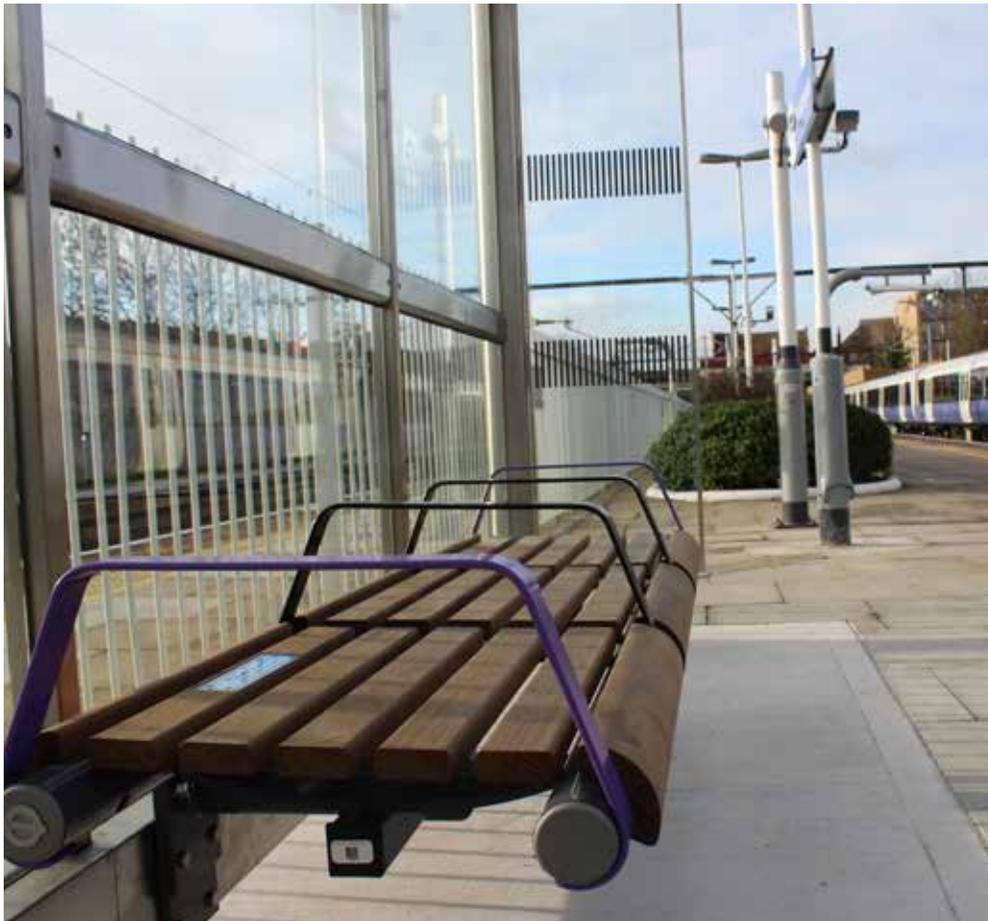
In 2013, Trueform were awarded the contract to manufacture and install a series of advanced tram shelters, platform canopies, ticket vending machines and other platform metalwork, for the second phase extension of the Nottingham Express Transit network.

As a unique and ambitious plan to rejuvenate the local tram network, the Nottingham Express project featured a distinctive product family to meet the city's precise needs. Trueform, the UK's leading experts in shelter and signage fabrications, were awarded the project with the aim to create a high quality, robust solution.

To meet the required specifications, Trueform produced a full suite of detailed engineering drawings, and undertook the manufacture, assembly and installation of over 150 separate assets.

Each product demonstrates the high standards of construction that Trueform is renowned for, utilising the highest grade materials, market leading manufacturing techniques, and an unparalleled attention to detail.

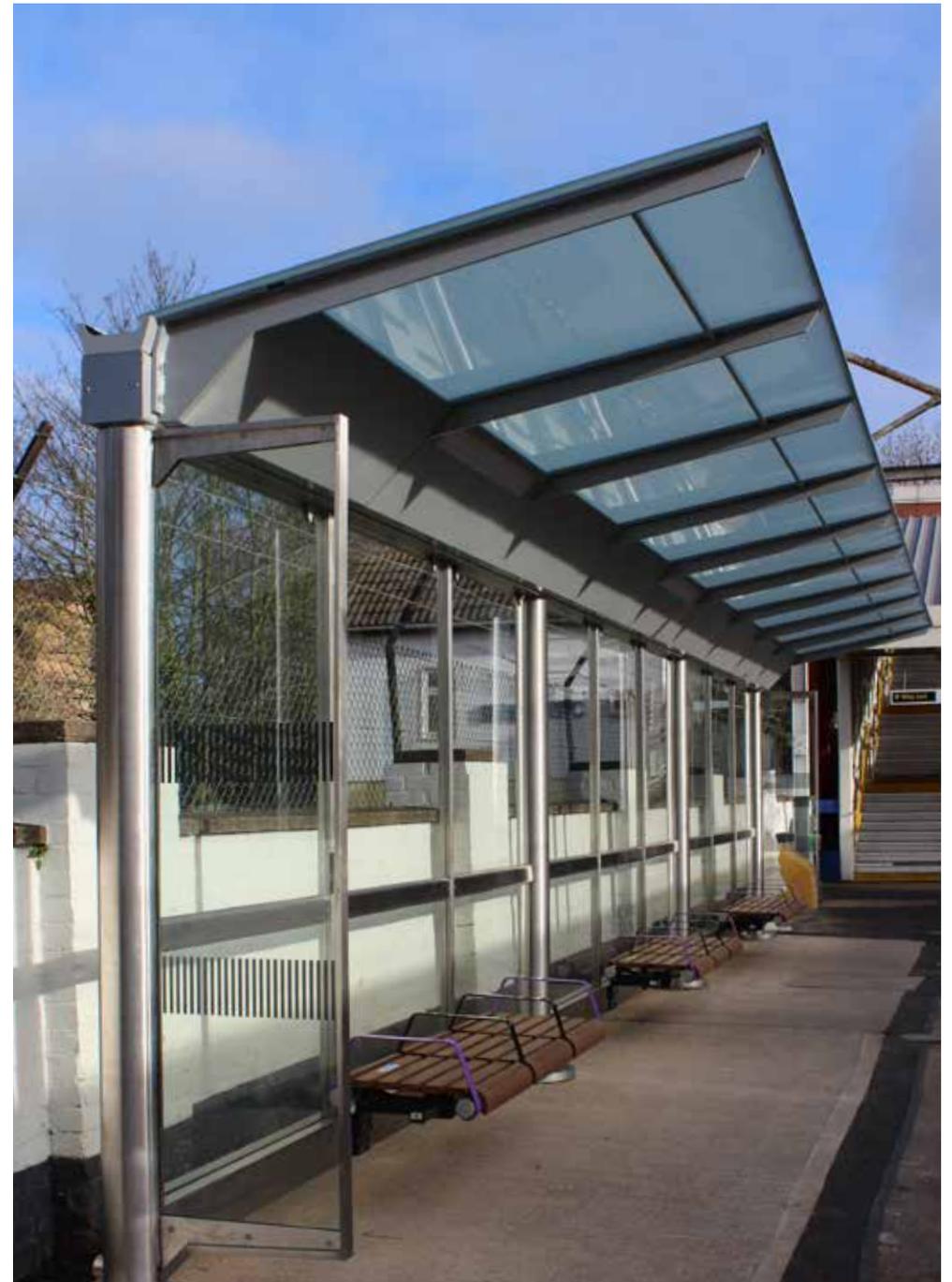




CROSSRAIL

Trueform is proud to be an approved supplier for Transport for London (TfL). Our many projects for TfL include a comprehensive range of signage solutions, fully designed, manufactured and installed in-house.

Trueform were awarded the contract to provide platform waiting shelters throughout the Crossrail network. The high quality, bespoke shelters were rolled out across the Crossrail network from January 2018.







DUNDEE, SCOTLAND

Designed by Nicholl Russell Studios Architects for Dundee City Council, the distinctive, contemporary Discovery bus shelter was engineered and manufactured by Trueform's bespoke shelter division.

The Discovery bus shelter is available with or without RTP1 displays, CCTV, audio PA and interactive information kiosks can be included as an optional extra.

The shelters are manufactured from high-quality robust, vandal-resistant materials. All of the fittings and fixings are tamperproof, and quick release fastenings are incorporated for quick assembly and maintenance.

The modular design is available in a range of configurations and sizes. A choice of high grade material and finish options is offered for long-lasting performance.

A choice of glazing materials and options is also offered, including a shock-absorbing glazing retention system.







PAISLEY, SCOTLAND

As part of the regeneration scheme for Paisley Town Centre, we designed, manufactured and installed these Discovery Diffusion Shelters. These bus shelters are a showpiece of intent for cities looking to reaching their zero emissions targets.

The Discovery Diffusion Shelter from Trueform offers commuters the comfort and security of an enclosed space with the freedom of being able to easily enter and leave the shelter. Not only is the shelter a practical solution for public transport users, it provides a stunning focal point for the public and its architectural design attracts the attention of the promotional space.





JC DECAUX, IRELAND

Trueform were awarded the prestigious contract to manufacture bespoke stainless steel bus shelters for the Republic of Ireland. Trueform were approved to be JC Decaux's first overseas manufacturer of their products, demonstrating their confidence in Trueform's capabilities and product quality.

A range of 2, 3 and 4 bay shelters were developed jointly with JCD, along with LED illuminated advertising units, bench seating and RTP1 brackets. Full product design and engineering was undertaken by Trueform, working to strict criteria from JCD. The highest grade materials and finishes are deployed, providing a robust yet attractive addition to Ireland's streetscape. The shelters are unique to JCD Ireland, and showcase a high attention to detail and quality, which is at the forefront of all of Trueform's projects.

To date, Trueform have supplied in excess of 400 shelters, to be rolled out initially across Dublin, and then nationwide.





RAPIDRIDE, SEATTLE

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When the RapidRide H Line launches in fall 2022, it will come more often and be more reliable than Route 120 is today. It will provide connections from neighborhoods in Burien, White Center, and West Seattle to downtown Seattle along Third Avenue and South Lake Union. RapidRide H Line will also provide much needed connections to other bus service and Link light rail.

Building the future RapidRide H Line will continue through fall of 2022 and includes an estimated \$87 million in King County and Seattle investments in new transit stations, bus lanes and traffic signal upgrades between South Lake Union, downtown Seattle, Delridge and West Seattle, White Center and Burien.

With real-time information signs, off-board payment and service operating most of the day and every 10 minutes or better during peaks, RapidRide is Metro's premier service.



BOMB BLAST PROTECTED SHELTERS

Trueform has developed and tested a range of security and anti terrorism products and patented specialist bomb blast protection systems in order to help maintain safety and security, and dramatically minimise disruption should a terrorist attack occur.

Trueform's high strength bomb blast resistant structures are designed to conform to and have been extensively tested to recognised UK, US and international bomb blast standards, typically 100kgs of high explosive at 25 metres range.

The high strength steel framed structures are fitted with bomb blast rated enhanced glass uniquely secured using Trueform patented ultra-high strength 'dry fit' retention system.

Trueform have installed its bomb blast resistant waiting shelters, check-in areas, door entrance portals and retail enclosures at the UK's Heathrow, Gatwick and Edinburgh airports. The ultra high strength construction incorporates Trueform's high strength bomb blast rated shallow foundation and thus provides robust physical protection, including protection against explosive attack by a vehicle borne explosive device (VBIED).



HOSTILE VEHICLE MITIGATION SHELTER

The risk to pedestrians from Vehicle As a Weapon (VAW) attack remains a real possibility on our local high streets. Trueform's Resistance Hostile Vehicle Mitigation (HVM) shelter has been impact tested to IWA 14-1:2013 Barrier V/1500[M1]/64/90:0.0 as a protective vehicle barrier system, allowing the security measure to be hidden in plain sight, meaning your development can be made safe without having a detrimental effect on the aesthetic qualities of the space.

Protecting people, places and infrastructure from attack, Trueform's Resistance HVM shelter can successfully bring a vehicle travelling at 40mph to a standstill with no penetration.



BUS SHELTER ACCESSORIES



Local Marketing

42" LCD display integrated into shelter. Digital advertising can be used for the promotion of local promotions associated with local councils and businesses.



Real Time Information Display

Full colour ultra wide LCD real time display. An upgrade to the usual LED matrix displays.



Green Roof

As previously installed in London and Dundee, this solution helps reduce CO2 emissions, purify air and provide ideal habitats for our endangered insects & wildlife.



Solar Power

Solar lighting systems can be custom made to fit new shelters or retro fit existing shelters.



Interactive Digital 6 Sheet

Trueform's 75" outdoor display can be used by local businesses for advertising, environmental monitoring, digital wayfinding, service updates, information & assistance.



Bench Seating

Enhanced seating designed to improve passenger comfort.



Solar Powered Digital E-Ink Timetable

Sunlight readable & night time illumination of e-paper display.



Real Time Information Bus Stop Flag

Live bus arrival information.





USB Charging Points

Allow people waiting for a bus to charge their phones, using their own charging cable.



Information & Assistance

Designated information help point with access to emergency services.



Air Purification

Improves air quality by drawing in the surrounding air, removing suspended particles and releasing the cleaner air.



Green Walls

Green walls help reduce CO2 emissions, purify air and provide ideal habitats for our endangered insects & wildlife.



Environmental Monitoring

Can be fitted with a range of smart sensors to collect data from the surrounding environment.



Service Updates

Details of live travel information.



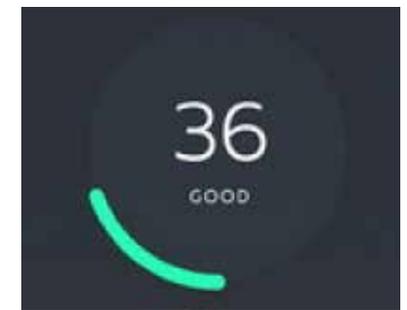
Local Business Marketing

75" digital advertising used for the promotion of local councils and businesses.



Air Pollution Sensors & Monitoring

Detect and monitor the presence of air pollution, CO2 and dangerous emissions in the surrounding area.



SHELTER RANGE



Flight

Ref: 1A 001



Flight Heritage

Ref: 1A 001.1



Flight Curved

Ref: 1A 001.2



Gullwing Heritage

Ref: 1A 002.3



Elite

Ref: 1A 003



Elite Full Drop

Ref: 1A 004



Gullwing

Ref: 1A 002



Fishergate Gullwing

Ref: 1A 002.1



Gullwing BRT

Ref: 1A 002.2



Metro

Ref: 1A 005



Premium

Ref: 1A 006.1



Legacy

Ref: 1A 007

SHELTER RANGE



Legacy Heritage

Ref: 1A 007.1



Cityscene

Ref: 1A 008



Discovery

Ref: 1A 012



Sinewave BRT

Ref: 1A 016



Seattle

Ref: 1A 017



Burslem

Ref: 1A 018



Discovery Diffusion

Ref: 1A 012.1



Aviator Anti-Terrorist

Ref: 1A 014



Sinewave

Ref: 1A 015



Integra

Ref: 1A 020



Integra Platform

Ref: 1A 020.1



Deansgate Integra

Ref: 1A 020.2

SHELTER RANGE



Market Street Integra

Ref: 1A 020.3



MK

Ref: 1A 021



MK Station Shelter

Ref: 1A 021.1



Air Conditioned Landmark

Ref: 1A 027.1



Loughborough

Ref: 1A 002.4



Apex

Ref: 1A 046



Solar Air Conditioned

Ref: 1A 025



Anti-Vandal Rail

Ref: 1A 036



London Landmark

Ref: 1A 027



Croydon Tramlink

Ref: 1A 056



Superhub



Prestige Rail Waiting

Ref: 1A 037

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