

Efficient investment in improving the customer travel experience

Macemain + Amstad can offer the railway industry a one-stop-shop approach to the delivery of station infrastructure projects



Shotton Station

Given the increasing drive for streamlining project delivery and improving efficiency, Macemain + Amstad can offer the railway industry a one-stop-shop approach to the delivery of station infrastructure projects. The company can demonstrate a proven track record in delivering and managing major platform infrastructure improvement programmes covering the following key deliverables:

- Project contract management, giving the TOC a single focal contact point
- Design plans and elevations supporting

the timely delivery of landlord's consent or Form A/B approvals. Extending to utilities and detailed specification definition

- Site set-up and enabling works covering the supply and commissioning of temporary ticket office and passenger waiting facilities, TOC staff welfare and secure site offices and storage
- Take-down and safe disposal of existing redundant infrastructure, re-routing of utilities and platform services (passenger information, CCTV and platform lighting) and groundworks
- New infrastructure bespoke design,

manufacture and installation to suit station constraints

- Fit-out and commissioning services.

Employing this one-stop-shop approach, Macemain + Amstad has recently delivered a new integrated ticket office and passenger waiting unit at Shotton Station for Arriva Trains Wales. As Main Contractor, Macemain + Amstad had responsibility for all delivery aspects of the contract. This being in addition to Macemain + Amstad's well-proven track record in the bespoke design, delivery and installation of railway station infrastructure.

Shotton Station four-month design and build contract

Macemain + Amstad was appointed by Arriva Trains Wales to design, manufacture and install a fully enclosed station ticket office 20m long x 4m wide with full-length platform canopy. The fully integrated ticket office encompasses the design features of the company's Paragon Anti-Vandal range of passenger transport infrastructure. This provides Arriva Trains Wales with a strong design continuity and consistent options for branding across their region. Macemain + Amstad was appointed as Main Contractor and hence responsible for all delivery aspects of the contract over a four-month period. The key aspects of the contract are detailed in Figure 1 and were as follows:

Stage 1 of the project concerned the delivery of the landlord's consent approval and required the generation of AutoCad details in 2D and 3D of the existing and proposed platform infrastructure. In parallel, responsibility was taken for the generation of utility services and communications hardware schematics. This element of the programme, including submission of the necessary approvals, was achieved within six weeks.

Stage 2 involved the bespoke detailed design of an integrated station ticket office comprising:

- Staff welfare facility including kitchenette
- Ticket office incorporating comfort cooling,



Left: Shotton Station: Platform 3 prior to new investment

Below: The new integrated ticket office and passenger waiting unit on Platform 3 at Shotton Station following the four-month approval, design & build programme



heating and beech split-height ticket counter with security sonic window

- Enclosed heated passenger waiting area with seating
- Adjoining semi-enclosed waiting area with perch seating
- External and internal storage areas

This element was a six-week programme overlapping the landlord consent programme and take-down of existing unit on location.

Stage 3 involved the site set-up, which included the installation and commissioning of a temporary ticket office, welfare facility, site office and secure storage facilities. This element was completed within 24 hours to ensure continuity of Arriva Trains Wales customer services and thereby maintaining a fully operational station.



Stations

Stage 4 concerned the take-down and safe disposal of the existing brick structure making safe utilities, relocating utilities services and the casting of new concrete base structure. This element was completed over a four-week period.

Stage 5 involved the manufacture, installation and commissioning of the new ticket office facility over a six-week programme. This included the fit-out of a communications system comprising CCTV, CIS screens, alarm, telephone and computer network integration.

The contract ran very smoothly. Adrian Carrington, retail development manager at Arriva Trains Wales commented, *"...the design for Shotton station building was similar to the building installed for us by Macemain + Amstad at Cwmbran so we were confident that we would be getting a high quality building and recommended this to the funders Flintshire County Council. Throughout the whole design and construction phase of the project the team from Macemain have been helpful and always have answers to problems to ensure the programme was maintained. The final completed building is to very high standard and is a great place for our staff and customers alike to work and visit. I wouldn't hesitate in using Macemain again on a similar project across the ATW network."*

In addition to integrated ticket office facilities, Macemain + Amstad has developed a range of modular structures to develop and improve the customer travel experience at stations. This product range extends to:

- Enclosed comfort heated/cooled ticket offices and waiting areas
- Toilet and recreation facilities
- Waiting shelters ● Cycle parking
- Seating
- Open or enclosed ticket vending machine canopies (inc. tinted glass options)
- Platform canopies
- Gateline canopies
- Walkways. ■

For further information or to discuss your bespoke platform infrastructure project please contact:

Macemain + Amstad Ltd.

Tel: 01536 401 331

Email: sales@macemainamstad.com

Web: www.macemainamstad.com

Single-point project management and contract delivery responsibility by Macemain + Amstad

Landlord Consent Deliverables (six weeks)

Existing Site Plan and Elevations

- Proposed Site Plan and Elevations
- Utilities Schematics
- Material and asset Specifications

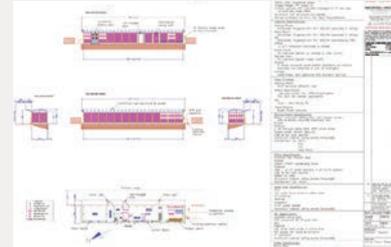
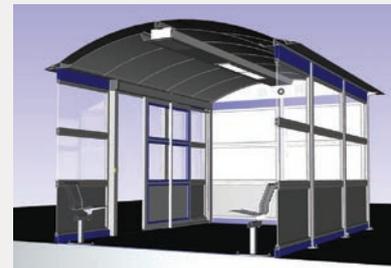


Figure 1: Shotton Station four-month design, approval & build contract

Design and Manufacture (six weeks)

- Bespoke Design to Suit Location Constraints
- Production Drawings
- Structure Manufacture
- Asset Procurement (e.g. Comfort Cooling)



On Location Works (six weeks)

- Site Set Up – Temporary Ticket Office, Welfare, Office and Storage
- Take Down of Existing and safe disposal
- Groundworks including utilities management
- New structure build and fit out

