SIAN FORMWORK LTD
...The Complete Structures Solution

SIAN FORMWORK LTD
Also Part of the SIAN GROUP
CCS Scaffolding Ltd, A.S.K Diamond Drilling Ltd & ZCS Training Ltd

Stonebridge Road, Northfleet, Gravesend, Kent DA11 9BA
Tel: 01474 365300  Fax: 01474 567256  www.sianformwork.co.uk

Reinforced Concrete Structure Specialists
Company Profile

Sian Formwork is a national construction company, providing reinforced concrete solutions on large scale civil engineering projects.

Our portfolio spans over 12 years. We have worked successfully on many prestigious projects for well-established main contractors within the civil engineering sector.

At Sian we have a proven track record of working on high profile schemes for organisations such as Network Rail, Highways England, Crossrail, Docklands Light Railway and Transport for London.

The Sian group of companies incorporates CCS Scaffolding Ltd, A.S.K. Diamond Drilling Ltd and ZCS Training Ltd – giving us the ability to successfully plan, manage and execute structural civil engineering works as a whole package.

With safety, quality and sustainability at the core of our business values, Sian Formwork is able to offer the complete structures solution for your project.

Added Value

Sian Formwork and our associated companies offer a wide range of specialist capabilities:

A working collaborative partnership with CCS Scaffolding Ltd, removes the often problematic interface between FRC and scaffolding.

Temporary works solutions and management through our in house engineering department and external specialist design consultants give Sian the capability to create complex formwork, falsework and scaffolding designs.

As a primary sponsor we have a large employee base of experienced PTS card holders.

The production of detailed construction programmes and the use of effective programme and project management ensure transparency and honesty with our clients.

The ability to plan and organise complex crane lifts with a workforce of experienced appointed persons, crane supervisors and slinger/signallers.

Trained experienced concrete technicians and long standing relationships with external materials testing organisations.
Safety, Quality & Sustainability

Safety
We strive to identify all hazards at design, planning and construction stages, recognising the importance of communicating effectively and sharing knowledge.

We employ dedicated safety staff, alongside trained, competent operatives maintaining 100% CSCS compliance.

Sustainability and The Environment
Sian has held the ISO 14001 accreditation for 5 consecutive years demonstrating continual improvements have taken place year on year.

It is our goal to improve annually by reducing waste and being ever increasingly more sustainable with materials, resources and energy that the company uses.

Quality
At Sian we believe that quality is everyone’s responsibility and targeting ‘defect free’ is at the heart of our business.

We strive to eliminate defects on our projects and focus our workforce on the value of ‘right first time’.

Core Values
Throughout all planning and construction work, Sian seek to continually identify hazards, mitigate risks and share knowledge with the goal of preventing any accidents.

We strive to ensure all members of our workforce and the public affected by the work go home safely in the same condition in which they arrived.

Safety is at the forefront of all of our business, planning and site operations.
Management Systems & Accreditations

Sian Formwork is a national construction company, providing reinforced concrete solutions on large scale civil engineering projects.

Sian is regularly audited against the following management systems and holds the following accreditations:

- ISO 9001:2007 Quality Management
- ISO 14001:2004 Environmental Management
- ISO 18001:2008 Health and Safety Management
- Achilles Link Up
- Achilles Building Confidence
- Achilles UVDB
- FORS Registered
- Construction Line

Company Portfolio

Recent Projects Include
- M1 Junction 19 Improvements
- A5 - M1 Link Road
- Newtown Bypass
- Bexhill to Hastings Link Road
- ARC - Bridge TAH2 32
- ARC - Stage 2 - Long John Hill
- Southall Depot
- Stockley Junction Flyover
- Rochester Station Upgrade
- Pudding Mill Lane Portal
- Ardleigh Green Bridge Replacement
M1 Junction 19 Improvement Scheme

Value: £3.6 Million
Duration: 114 Weeks
Main Contractor: Skanska
Client: Highways England

With over 142,000 vehicles passing through this junction every day, the J19 improvement project will create free-flowing links between the M1, M6 and A14.

Sian have planned, managed and constructed 6 large scale bridge structures over these major highways, with the largest of the multi-span composite bridges being over 280m long.

Sian has demonstrated its commitment to safety on this scheme, receiving a RoSPA award nomination for its continued efforts on the project.

Through early involvement with the main contractor, planning, programming and value engineering considerations were able to be fully developed, eliminating potential clashes and project delays.
A5-M1 Link Road

Value: £2.1 Million
Duration: 65 Weeks
Main Contractor: Costain/ Carillion JV
Client: Highways England

The scheme was constructed to provide a new link road between the congested A5 and M1 motorway. The route included 7 no. bridge structures, required to be constructed by Sian Formwork simultaneously as the project progressed.

The project required the construction of 2 no. large scale bridge structures over the M1 motorway, requiring careful planning and execution of works during strategic night closures. Sian were heavily involved in a number of safety initiatives on the scheme, successfully completing behavioral safety training courses, senior management safety tours and regular stand-downs.

Crane management was a key part of our work on the project with a large no. of heavy crane visits required to be planned and executed throughout the duration of the works.
Newtown Bypass

Value: £2.3 Million  
Duration: 90 Weeks  
Main Contractor: Alun Griffiths  
Client: Welsh Government

The new bypass to the south of Newtown, will connect the A489 and A483 while avoiding Newtown.

The new 6.5km section of road will include 12 major structures through the Welsh countryside.

The scheme involves the construction of Underpasses, Culverts and Major highway bridges.

Sian have been responsible for the successful planning, programming and temporary works design and delivery on the project.
Bexhill to Hastings Link Road

Value: £2.2 Million  
Duration: 64 Weeks  
Main Contractor: Hochtief Taylor Woodrow JV  
Client: East Sussex County Council

The link road provided 5.6km of new highway running through both urban and greenbelt environments.

The works incorporated 11 large scale reinforced concrete structures which included new bridge construction, bridge replacement, underpasses, and deep in-situ drainage facilities.

The scheme provided many environmental challenges which were overcome and managed successfully throughout. The length of the site was heavily congested with SSSIs, protected, sensitive waterways and ecological habitats.

Working alongside our partners CCS Scaffolding, Sian were responsible for scaffold access throughout the project. This included the design and construction of two long term temporary footbridges and complex 15m high scaffolds adjacent to live running rail lines.
ARC - Stage 2 - Long John Hill

Value: £120,000
Duration: 12 Weeks Main
Contractor: Volker Fitzpatrick
Client: Network Rail

The first of the Network Rail Bridge upgrade schemes saw Sian constructing a bespoke RC bridge deck with integral parapets off line and at ground level.

The scheme required a complex falsework system to be designed and approved by Network Rail allowing the deck to be temporarily supported during construction works.

A secondary heavy duty propping scheme was developed to allow the bridge deck to be temporarily supported until SPMTs were brought in to jack, lift and land the bridge structure into place.

This complex project saw our engineers involved in extensive Temporary Works design and planning coordination with both the main contractor, the permanent works design and Network Rail to deliver this successful project on time and in line with Network Rail’s blockade requirements.
ARC - Bridge TAH2 32

Value: £130,000
Duration: 16 Weeks
Main Contractor: VolkerFitzpatrick
Client: Network Rail

Following on from Long John Hill this project saw the construction of the second Network Rail Bridge upgrade scheme. Requiring the upgrade and part replacement of the existing Bridge at Gospel Oak.

Works involved the construction of a large crane base, 4 no. extension wing walls to the existing abutments and extensive in-situ and pre-cast concrete panel installation to the shelves.

The main construction works were carried out over the River Lee Navigation and undertaken during a 6 week Rail Blockade under tight time and programme constraints where planning and transparency with the main contractor and Network Rail were key in delivering a successful project.
Southall Lane depot

Value: £630,000  
Duration: 12 Weeks  
Main Contractor: Eurovia  
Client: Southall Council

The new Southall Lane Waste Depot is capable of handling up to 30,000 tonnes of waste a year from the Hounslow borough. As well as storage and processing facilities, the depot will include offices and a vehicle workshop.

With over 4000m2 of slabs laid between kerbs and drainage runs in 16 separate consecutive daily pours, planning pump movements and managing curing was the key to success of the project.

The project saw Sian Formwork working alongside A.S.K. Diamond Drilling LTD to complete the interface between the surface drainage and the mesh reinforced concrete slabs.
Stockley Junction Flyover

Value: £7.0 Million
Duration: 208 Weeks
Main Contractor: Carillion
Client: Network Rail

The scheme provides a grade separated rail junction enabling the facilitation of Crossrail and Heathrow Express service trains.

Bespoke temporary works design solutions were achieved through early planning and collaboration between Sian Formwork, the client, and our temporary designers.

The form design required a rolling shutter allowing the construction of the new viaduct from behind the protection shutter without the need for costly and disruptive line blocks. The contract was nominated for a British Construction Award in recognition of the innovative temporary works design solution.

With Sian’s accreditation as a primary sponsor, we were able to supply experienced PTS tradesmen from our employee base of over 250 operatives without the need to outsource staff.
Rochester Station Upgrade

Value: £2.0 Million
Duration: 82 Weeks
Main Contractor: Spencer
Client: Network Rail

The scheme replaces the current 121-year-old Victorian station, which was unable to accommodate the longer trains required.

The main station works required in-situ concrete foundations and structural walls to be built to accommodate the subsequent steel framed structure.

As part of the works Sian has constructed a new multi-storey car park that will serve the new station.

Working alongside CCS Scaffolding, our in-house engineers have been able to develop complex CAT3 scaffold design solutions constructed in close proximity to the live running lines.
Pudding Mill Lane

Value: £5.3 Million
Duration: 208 Weeks
Main Contractor: Morgan Sindall
Client: Crossrail

The scheme incorporates the construction of a tunnel portal and a new elevated DLR station at Pudding Mill Lane. The project also links new Crossrail tunnels to the existing Network Rail infrastructure.

The C350 project won the RoSPA Gold award for safety performance and achieved over a 1,000,000 man hours worked without a RIDDOR reportable accident.

As part of Sian’s continued improvements to safety innovation we have devolved several unique solutions to dramatically reduce common site hazards such as covered concrete skips used for concrete line cleaning. This has helped the project win the Crossrail Green Line Environmental Award for Innovation.

With good planning Sian have managed to repeatedly deliver quality finishes early and under budget throughout the project.
Ardleigh Green Bridge Replacement

Value: £380,000
Duration: 16 Weeks
Main Contractor: Hochtief
Client: TfL

The work sees the 90 year old bridge, which carries the A127 Southend Arterial Road over National Rail lines in Romford, replaced with a new, wider structure offering improved facilities for pedestrians and cyclists.

The project saw Sian Formwork working alongside A.S.K. Diamond Drilling LTD to complete extensive pile breaking and complex, reinforced concrete abutment construction.

With the main abutment shutters positioned within 3m of the live overhead power lines, carefully planned formwork and earth bonding design was key to the success of the project.

Early planning and collaborative working with Hochtief, Network Rail and TfL, meant that works to construct the abutments were all completed in a series of short night time rail possessions.