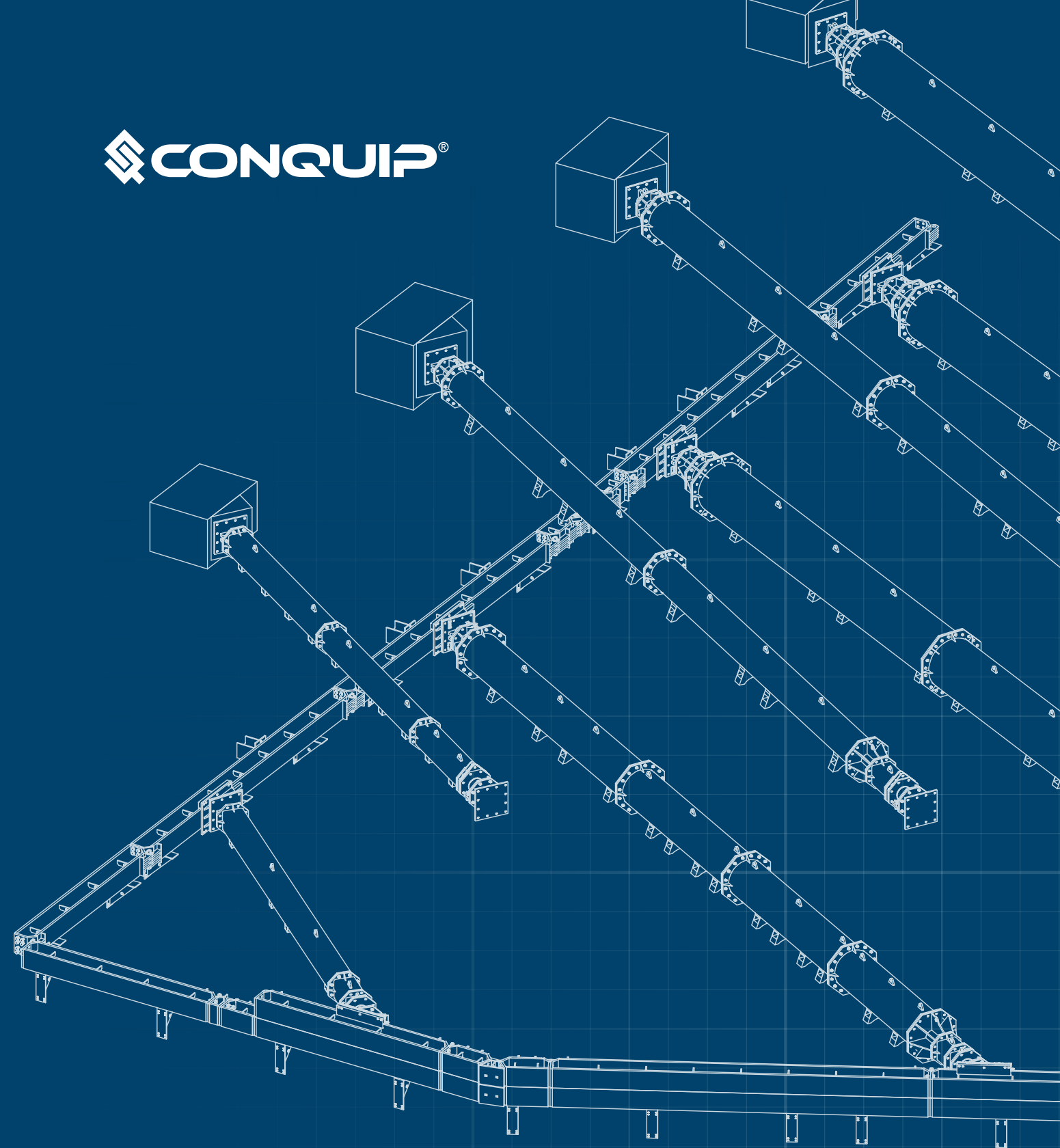


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**WE'RE HERE TO HELP**

Call us on 0333 300 3470  
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May 2024 - Issue 02



CONQUIP

EXCAVATION SUPPORT | TECHNICAL FILE

ISSUE 02

EXCAVATION SUPPORT

# TECHNICAL FILE





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# INTRODUCTION



# INTRODUCTION



## BUILDING TODAY, CREATING TOMORROW

Conquip supply temporary works equipment to projects of all sizes both within the UK and around the world. With our integrated design, fabrication and transport services, we offer end-to-end support to our clients throughout the entire project delivery.

Our high-quality UK-manufactured equipment includes a state-of-the-art modular propping system with load monitoring technology, trench shoring boxes and trench access solutions, and proprietary crane loading platforms. We support this with site supervision options during all stages of installation, use and removal. We also offer a range of supporting construction to support all stages of a project from site set-up and logistics management through to building or shaft loadout and façade completion.

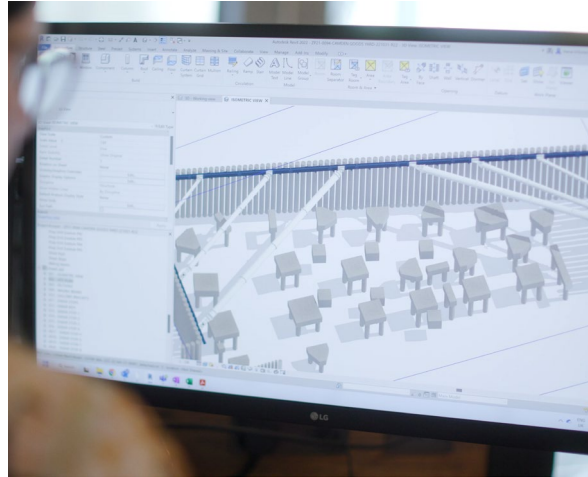
All products and services are fully supported by our own team of qualified civil, structural and mechanical engineers.

To collaborate on your project, email us at [twengineering@cqgroup.com](mailto:twengineering@cqgroup.com)



## CLIENT SERVICES

### SUMMARY OF SERVICES



#### PRECONSTRUCTION

We have a wealth of preconstruction experience in excavations and building frames. By involving us early on in the planning phase of a project, we can work with you to deliver a solution that is not only safe and efficient, but also sequenced for your project delivery. Preconstruction is supported by our visual teams who can deliver BIM models and 4D project animations for tendering.

#### DESIGN

Our in-house design team specialise in the design of temporary works solutions and construction equipment. They can assist you from tender submission to completion on small to major project schemes. Our digital ability includes fully integrated 3D modelling of our solutions that you can access online. Designs provide value engineering to both standard and bespoke solutions. Our in-house design is a one-stop solution to solving challenges on site.



#### FABRICATION

All Conquip equipment and bespoke solutions are supported by our in-house fabrication facility and manufacturing expertise. This allows us to deal with all complexities and challenges as work progresses, quickly producing components and assemblies, ready for delivery on site. If a part is needed but doesn't exist yet, we can design, fabricate and deliver it to you.



#### DELIVERY

We are FORS Gold and CLOCS Champion accredited. Our ability to provide in-house transportation to sites across the UK ensures we provide reliable, on-time deliveries.

#### INSTALLATION

Conquip offer full support and supervision during installation, so we are on-hand to guide site teams or address any issues that may arise. We can also provide training and familiarisation with our equipment, on site or at our equipment yards.



#### INSPECTION

Our team offer a full inspection service during all stages of the install, use and removal phases, giving our clients assurance that the temporary works design has been followed and the equipment continues to operate optimally.

## DESIGN & MANUFACTURING STANDARDS

Our equipment is designed in accordance with Eurocodes and relevant industry guidance and standards including PAS8812 and BS5975.

We are accredited to ISO 9001 for manufacturing and our welders are coded to BS EN 9606.



## EQUIPMENT OVERVIEW



### TEMPORARY PROPPING

- Modular temporary propping system for excavation support.
- System spans up to 41.0 metres, with Safe Working Loads up to 4000kN
- Waling beams: single and double beam solutions including adjustable and fixed angle connections.
- Hydraulic jacks, gallows brackets and a wide range of ancillary items to accommodate all orientations and connections to different materials.



### TRENCH SHORING

- Range of trench box, manhole box and drag box offerings from light to heavy-duty.
- Trench access and safety equipment.
- Excavator attachments for pipe laying.



### STRUCTURE LOADOUT

- CantiDeck and CantiCrane proprietary loading platforms offer a range of building load-out solutions.
- Fixed and retractable options available.
- Configurations to suit a wide variety of applications.
- Design services to support interfaces and installation to your structure.



### BULKX

- Maximum efficiency, bulk excavation solution.
- Discharge spoil directly into the back of muck away wagons.



### STRUCTURAL SOLUTIONS

- Bespoke steel, reinforced concrete and geotechnical design solutions used to support our equipment as part of providing a single source for engineering design.



### PLANT ATTACHMENTS

- Excavator Compaction Wheel
- Fork Extensions, Grabs and Adaptors



### SITE EQUIPMENT, STORAGE & ACCESS

- Fuel Eco-Hub and COSHH Stores
- Site Traffic Podiums
- Shelters and Briefing Stations
- Racks and Stillages
- IBC Containers and Fuel Bowsers



### LIFTING & HANDLING

- Goods, Access and Rescue Cages
- Excavator Lifting Platform
- Lifting and Spreader Beams
- Chains and Slings