

# Site Services

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**Macalloy**

**100**  
years  
1921-2021

From your first design to project completion, our team of experienced Engineers are on hand to answer your technical enquiries and assist in the design and development of your project.

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Contact us:

**+44 (0)1909 519 200**

[siteservices@macalloy.com](mailto:siteservices@macalloy.com)

#### ENQUIRY STAGE

- (1) Contact us to discuss requirements
- (2) Review requests and generate a quote
- (3) Arrange a pre-site visit where necessary

#### PRE-SITE VISIT

- (4) Complete risk assessment, agree on "Method statement", discuss load sequences and cycles, and assess site access and lifting equipment
- (5) Agree schedule of works

#### POST WORKS DOCUMENTATION INCLUDES

- (6) Work summary, photos, engineer report, equipment conversion chart, test and calibration certificates.

# Get the most out of your Macalloy products.

Have you thought about...

- Pre-loading and sagging?
- The need for aligning and levelling tension rods?
- Checking and determining loads?
- Support during installation?

At Macalloy, we offer a comprehensive Site Services package. This includes:

## SERVICE OPTIONS

We offer a number of site service options, including complete job stressing, de-stressing or measurement of loads, all to an agreed stressing sequence. In addition, one of our representatives can supervise the assembly of the components on-site.

## TRAINING

Our site services team can offer comprehensive support and training on all Macalloy equipment.

## EQUIPMENT HIRE/PURCHASE

We can arrange for the hire or purchase of calibrated torque wrenches, hydraulic jacks and TechnoTensioner Units. All equipment comes with calibration and test certificates and conversion charts.

## MAINTENANCE & INSPECTION

As part of our system management and maintenance programme, to ensure the long-term health of the bar system, we can offer an inspection service including load checking.

## WARRANTY

Macalloy can offer an extended warranty subject to an agreed inspection and maintenance plan.

## INSTALLATION

We offer installation for tension rods and cables. Our team carry out a pre-site visit to discuss feasibility, risk assessment and sequencing.

## LOAD MONITORING

We can offer remote load monitoring equipment for calculating the load measurement of your structure.

# MACALLOY TENSIONING SYSTEMS

The Macalloy TechnoTensioner for use on architectural systems is a unique hydraulic tensioning device. This allows for the simple stressing, de-stressing and load measurement of tension bars and small cables. It is used in conjunction with a turnbuckle and can be used to accurately induce predetermined loads. The Macalloy TechnoTensioner can be used to avoid seizing in stainless steel threads due to cold welding. Macalloy's Site Services team is available to provide on-site support and training on the use of the Macalloy TechnoTensioner.

## TYPICAL APPLICATIONS

- Bridges
- Balconies
- Facades
- Large-span roof structures
- Bracing



“The tensioning team provided a very good service, they were well organised with equipment arriving in advance of works. I would have no issue in recommending for future work.”

Steve Virtue - Site manager  
Severfield Commercial & Industrial

For the **TROJA BRIDGE** we provided our TechnoTensioners. All loads were calculated by Excon using software modelling which were monitored during each stressing cycle, using strain gauges. Calculated loads for the next cycle were adjusted in real time according to the movement of the arch bridge.

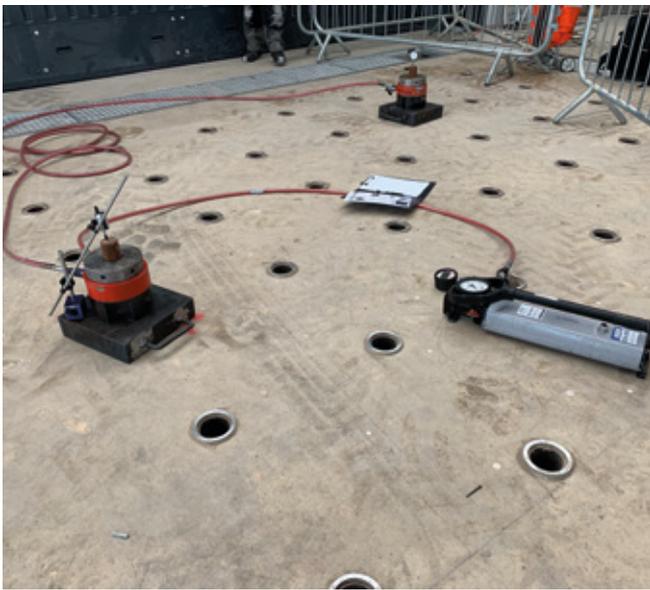


# MACALLOY POST TENSIONING

Macalloy can offer full on-site assistance for the stressing and de-stressing of the 1030 Post Tensioning System. It can also be used for geotechnical applications including Macalloy Stainless 650. This can be performed using hydraulic jacking equipment or a torque wrench, depending on the loads. This includes pullers which incorporates our proprietary thread form to deliver an efficient stressing procedure.

## TYPICAL APPLICATIONS

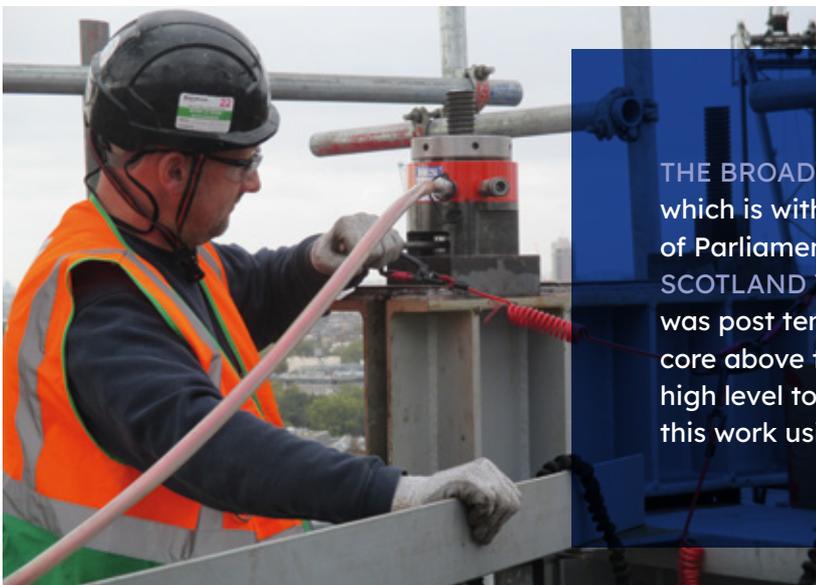
- Holding down bolts
- Strong floors
- Crane Grillages
- Windfarm turbines
- Decommissioning and remedial work



Macalloy 1030 Full Tensioning Unit



Hydraulic jack



THE BROADWAY mixed use development which is within walking distance of the Houses of Parliament is on the site of the OLD "NEW SCOTLAND YARD". The temporary crane base was post tensioned into place on top of the lift core above the 19th floor, prior to erecting the high level tower crane. Steel arts completed this work using 40mm Macalloy 1030 bars.

## MEET THE TEAM

Macalloy site operatives are trained to carry out the stressing and the de-stressing of tension rods and post-tensioning bars . We hold current CSCS cards and Qualifications in Health and Safety within a construction environment, Working at Height, Manual handling, and IOSH. Health & Safety is at the forefront of everything we undertake on-site.



**CHRIS JAYEOBA**  
Site Services Technical Manager



**CHRIS DOBSON**  
Site Services Manager



**HARRY SMITH**  
Mechanical Design Engineer



**SIMON LIPSKI**  
Quality Assurance Manager



**ANTHONY EVANS**  
Site Operative



**NATHAN BUCKINGHAM**  
Site Operative



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