

New Mac550 Architectural System

Available in both Carbon and Stainless

Macalloy

**100
years
1921-2021**

MACALLOY are proud to announce the launch of our new Mac550 Architectural Tension System. Available in both Carbon and Stainless in an increased range of diameters adding M70/80/95 M110/120mm to the existing range.

Over the years MACALLOY has supported engineers in providing innovative solutions to suit static, quasi static or fatigue loaded applications. With the New Mac550 system ETA pending Macalloy can offer a higher capacity system with significant cost savings and a wider range of diameters.

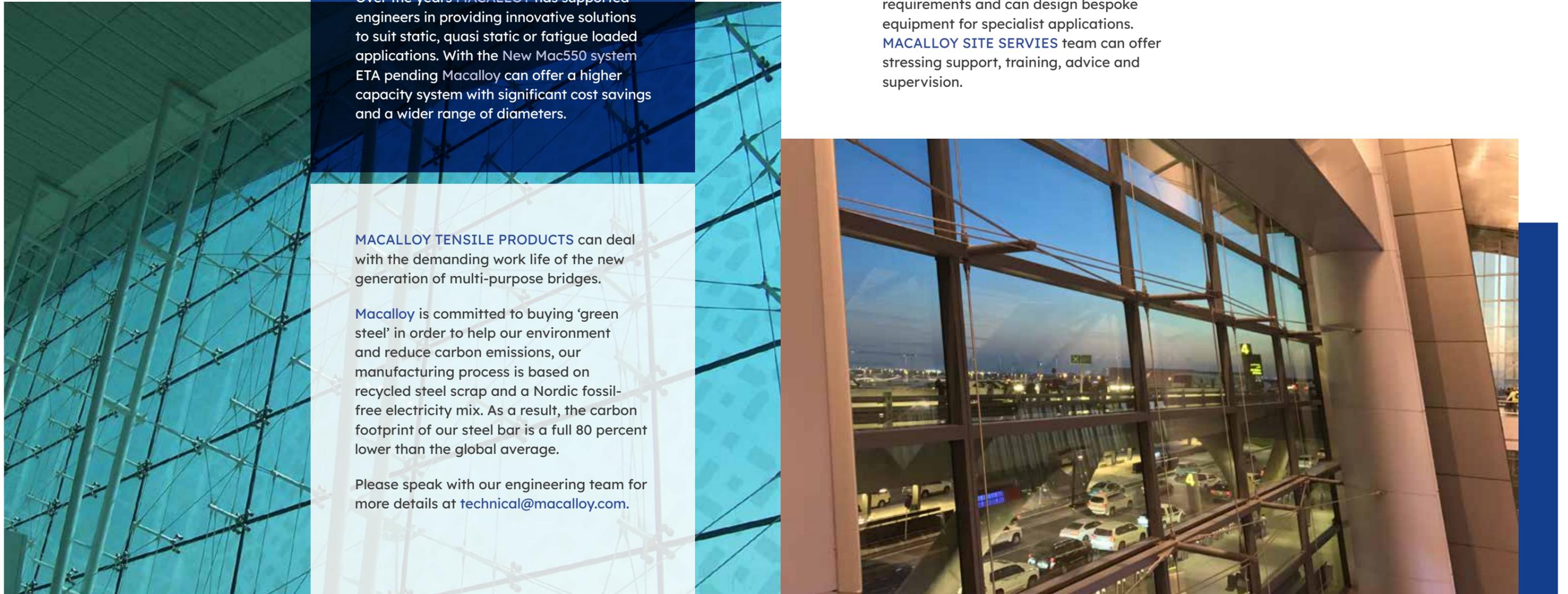
MACALLOY TENSILE PRODUCTS can deal with the demanding work life of the new generation of multi-purpose bridges.

Macalloy is committed to buying 'green steel' in order to help our environment and reduce carbon emissions, our manufacturing process is based on recycled steel scrap and a Nordic fossil-free electricity mix. As a result, the carbon footprint of our steel bar is a full 80 percent lower than the global average.

Please speak with our engineering team for more details at technical@macalloy.com.

Benefits of the new Mac550 Architectural Tension System

- The new Mac550 offers a higher yield and ultimate strength system than the Mac460/520 in both stainless and carbon
- The new Mac550 system is lighter and easier to install due to the reduced bar diameter
- The Mac550 system also utilises the MACALLOY TECHNOTENSIONER solution for "in line" tensioning pretensions loads in TENSILE BARS as well as load monitoring post installation. MACALLOY has an extensive fleet of jacking equipment designed to meet most requirements and can design bespoke equipment for specialist applications. MACALLOY SITE SERVICES team can offer stressing support, training, advice and supervision.
- The new Mac550 system can offer a reduced bar diameter and significant cost savings
- The new Mac550 now offers larger diameter sizes 110/120mm utilising rolled thread technology.
- Corrosion protection is available on MACALLOY TIE RODS. MACALLOY can offer protection with a variety of different coatings for various environments such as Hot dipped galvanising through to C2/C3 paint, powder coating and stainless steel in a range of finishes.





DOHA INTERNATIONAL AIRPORT

Otherwise known as **Hamad International airport** the **New Doha International airport** is the home of **Qatar airlines** able to handle 29million visitors per year. On this project **Macalloy** supplied stainless cables supporting the glass facades and stainless 24mm high grade tendons.



TERMINAL 3 DUBAI

Completed in 2008 at a cost of \$4.55 billion **Terminal 3 Dubai** hosts the **Emirates airline** and is the largest in the Middle East. On this project **Macalloy** supplied over 35,000 tendons of high grade carbon bars for the glass wall in the tear drop shaped window on either side of the concourse and the large glass façades at either end of the terminal.



ETA - 21/0053 Tension Rod Systems
BSEN ISO 9001: 2015

Macalloy | **100 years**
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