

# COMPLEX BRIDGES & STEEL STRUCTURES



CALDROP is a leading U.S.-based, program, project and construction management firm dedicated to providing unsurpassed third-party engineering and inspection services worldwide. With office locations in various European and Asian countries, in addition to the United States, we are capable of mobilizing our engineering and inspection teams to your project site immediately, thus reducing costly delays in project initiation.

Our multi-national, bilingual team of engineers, inspectors and NDT technicians is committed to exceeding our clients' expectations from project initiation to completion.

Our inspection team is comprised of internationally qualified and certified inspectors experienced in QA / QC inspection and documentation of steel structures in a variety of construction arenas including bridges, buildings and dams, to name a few. Their qualifications and certifications include:

- AWS-QC1 Certified Welding Inspectors
- AWS Section 12 FCM / FCP Qualified
- CSWIP 3.1 and 3.2.2 Certified Welding Inspectors
- EN ISO 9001 Quality Management Systems
- NACE CIP Level II and Level III Certified Inspectors
- ISNT Certified Welding Inspectors

Our NDT technicians hold current qualifications and certifications with the following internationally recognized governing bodies, in addition to specialized NDT techniques for the application of Phased Array Ultrasonic Testing (PAUT):

- ASNT ACCP Level II and Level III
- ASNT-SNT-TC-1A Level II and Level III
- PCN Level II / ISO 9712 Level II
- CCS Qualification Certification NDT Level II
- Advanced UT technique (PAUT) Qualifications
- Ground Penetrating Radar (GPR)
- Hardness Testing (HT)
- Infrared Testing (IR)
- Leak Detection (LD)

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## Current and Previous Notable Projects:

### **Forth Replacement Crossing (FRC) The Queensferry Crossing**

CALTROP is providing QA consulting services during the construction of a new cable-stayed bridge in Edinburgh Scotland. CALTROP serves as the Independent Inspection Authority (IIA) to the Design Build Team.

CALTROP is providing Quality Assurance (QA) services for the fabrication of the steel cable-stayed Main Span (deck and Tower) and temporary towers in China including Shanghai and Yangzhou, the Approach Viaducts in the United Kingdom, and the ancillary components in Spain. CALTROP is also providing QA services during the ongoing construction in Scotland, U.K.



### **San Francisco Oakland Bay Bridge (SFOBB) Self-Anchored Suspension Bridge**

CALTROP provided NDT, QA inspection, construction engineering, coordination and risk management for the construction of this multibillion dollar project. CALTROP had a full complement of engineering and inspection staff in Korea, Japan, China, U.K. and the U.S.



### **Sea Lock Gates at Port of Antwerp**

CALTROP is providing QA services for the fabrication of two Sea Lock Gates and two Bascule Bridges for the Port Authority of Antwerp, Belgium. Fabrication is being done in China. To date, CALTROP inspectors have provided QA oversight and technical support as part of pre-fabrication activities.



### **West Tom Bradley International Terminal Renovation**

CALTROP provided office engineering, specialty inspection and materials testing services for Los Angeles World Airports. The \$1.5 billion project will provide greater capacity to Bradley's west side with new gates and a great hall for premier dining and retail shopping.



### **Las Vegas Linq Observation Wheel**

CALTROP provided QA and nondestructive testing (NDT) services for the fabrication of the observation wheel dubbed "The High Roller" in China. The wheel is part of a \$550 million open-air retail, dining and nightlife project called "The Linq" on the Las Vegas Strip.

### **Bridge / Seismic Retrofit**

CALTROP provided construction management and support services for this multimillion dollar project. Due in part to CALTROP's involvement, this project came in \$136 million dollars under budget.

