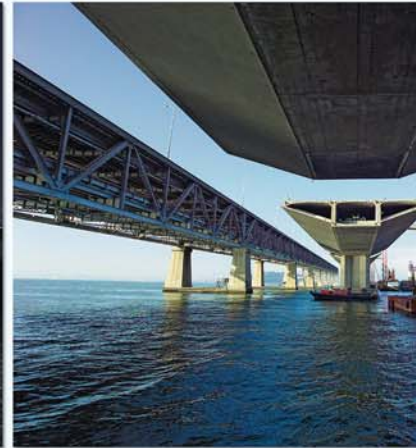


# MATERIALS ENGINEERING & TESTING

**CALTROP**



CALTROP offers highly skilled and motivated professional materials engineers and Non-Destructive Testing (NDT) technicians to provide assistance throughout all stages in a product life cycle – design, inspection, maintenance, repair and failure analysis. Our engineers and inspectors maintain their technical competency through in-house and external training, participation in bodies that write specifications and membership in several industry associations. They are also qualified to meet the requirements of the American Society for Nondestructive Testing Practice SNT-TC-1A.

Our services are available for structures, bridges, nuclear / energy generating stations, space and aerospace, petrochemical facilities, automotive industries, construction, transportation, defense and general engineering.

CALTROP's philosophy is one of collaboration. This approach enables our materials engineers to work alongside our NDT technicians during critical and non-critical evaluations. This integrated method is unique and offers our clients the maximum advantage. Whether it's understanding service fatigue, selecting the right material or recommending a component for maximum long-term durability - our engineers and technicians are able to provide quick, detailed and cost-effective analysis.

#### **Our Services Include:**

- Materials Evaluation
- Weld Inspection
- Coating / Paint Inspection
- ASNT Level III Consultancy
- Ultrasonic Testing (UT) Thickness Measurement
- UT Shear Wave
- UT Phased Array (PAUT)
- Dye Penetrant Testing (PT)
- Magnetic Particle Testing (MT)
- Ferrite Measurement
- Quality Assurance (QA) and third party inspection as well as several other advanced NDT and inspection-related services

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