Overview of Services

**Materials Consulting**
- Corrosion Control & Prevention
- Fabrication specifications
- Fitness-for-Service to API 579
- Pipeline & Well Corrosion Modeling
- Remaining Life Evaluations
- Product Development
- Coating Specifications
- Repair Specifications
- Literature Searches
- Problem Resolution
- Material Selection
- Failure Analysis
- Shop audits

**Corrosion Control**
- High-temperature Corrosion
- Aqueous Corrosion
- Corrosion Investigations
- Corrosion Monitoring
- Corrosion Testing
- Materials Selection
- Literature Searches
- Power Industry
- Chemical Industry
- Refineries
- Marine Industry
- Water Industry
- Commercial Buildings

**API Storage Tanks**
- Consulting
- Inspections
- Root Cause Analysis
- Hazardous Waste Tank Certification
- Coating & Lining Inspection
- Coating & Lining Repair Specification

**Risk-Based Inspection**
- Program Development
- Gap Analysis
- Consulting
- Inspection Procedures
- Mechanical Integrity
- Program Development

**Field Metallurgy**
- Evaluate Fire Damage
- Verify Cracking Mechanisms
- Verify Alloy Type
- Verify Overheating

**Failure Analysis**
- Petrochemical
- Ship Building
- Refineries
- Oil & Gas
- Pipelines
- Power
- Marine
- Alloy Producers
- Medical Instruments
- Commercial Properties
- Commercial Laundry
- Water & Wastewater
- Government Agency
- Equipment Manufacturers

**Fitness-for-Service**
- General Metal Loss
- Local Metal Loss
- Brittle Fracture
- Pitting corrosion
- Blisters and Laminations
- Crack-like Flaws
- Fire Damage
- Creep Damage

**Training and Workshops**
- Corrosion
- Failure Analysis
- Fitness-for-Service
- Risk-Based Inspection
- Materials Selection
- Basic Metallurgy
- Stainless Steels
- Nickel Alloys
- Corrosion Under Insulation
- Coatings/Linings

**Laboratory Testing**
- Coatings
- Salt Fog Testing
- Chemical Analysis
- Tensile Testing
- SEM/EDS Analysis
- Metallography
- Wear Testing
- Material Verification
- Hardness Testing
- Corrosion Testing
- Heat Treatment
- Grain Size Determination
- Drop Weight Tear Testing
- Charpy/Izod Toughness Test
- Weld Procedure Qualifications

**Expert Witness Support**
- Consulting Expert
- Testifying Expert
- Literature Searches
- Laboratory Testing
- Case Strategy
- Product Liability
- Failure Analysis

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