

	<p> Adresse : Cité 11 Décembre 1960 N° 120 2ème Etage Baba Hassen- ALGER N RC : 16-01 - 20A1551304 NIF : 19517310150012900000 Telephone : 0782 83 79 88 Email: kitalgeria@kit-egy.com Site web : www.kit-egy.com </p>	<p> BATEN RABAH Consultation, Training, Contracting & Evaluation Training Pogramme </p>
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Course Title: API 4G **Category I & II Drilling Structure Inspection**

Module 1: Introduction to API 4G Standards

Overview of API standards for drilling structures
 Understanding Category I & II classifications
 Importance of adhering to API standards in drilling operations
 Regulatory requirements and industry best practices

Module 2: Fundamentals of Drilling Structures

Types of drilling structures: fixed and floating
 Components of drilling structures: derricks, masts, substructures, etc.
 Materials used in construction and their properties
 Structural integrity and load considerations

Module 3: API 4G Category I & II Requirements

Detailed explanation of API 4G Category I & II standards
 Understanding design requirements and limitations
 Inspection criteria for various components as per API guidelines
 Differences between Category I & II classifications

Module 4: Inspection Techniques and Methods

Overview of inspection techniques: visual, ultrasonic, magnetic particle, dye penetrant, etc.
 Hands-on training in using inspection equipment
 Interpretation of inspection results and defect identification
 Documentation and reporting standards for inspection findings

Module 5: Risk Assessment and Safety Considerations

Importance of risk assessment in drilling structure inspection
 Identifying potential hazards and safety risks
 Implementing safety protocols and procedures during inspections
 Case studies of accidents and incidents related to drilling structures

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Module 6: Inspection Planning and Execution

Developing inspection plans based on API 4G requirements
 Coordination with stakeholders and personnel involved

Pre-inspection preparations: equipment calibration, safety checks, etc.
 Conducting thorough inspections according to API guidelines

Module 7: Corrosion Management and Prevention

Understanding corrosion mechanisms in drilling structures
 Inspection techniques specific to corrosion detection
 Implementing corrosion prevention measures
 Case studies of corrosion-related failures and mitigation strategies

Module 8: Data Management and Analysis

Managing inspection data efficiently
 Utilizing software tools for data analysis and visualization
 Identifying trends and patterns in inspection data
 Importance of data-driven decision-making in maintenance planning

Module 9: Repair and Maintenance Strategies

Assessing repair requirements based on inspection findings
 Implementing repair and maintenance procedures as per API standards
 Monitoring the effectiveness of repairs and preventive maintenance
 Long-term asset management strategies for drilling structures

Module 10: Case Studies and Practical Applications

Real-world case studies of drilling structure inspections
 Hands-on exercises and simulations of inspection scenarios
 Group discussions and peer learning sessions
 Final assessment and certification examination
 Note: This course will provide participants with a comprehensive understanding of API 4G Category I & II standards and equip them with the necessary skills to conduct inspections effectively. Emphasis will be placed on safety, accuracy, and compliance throughout the training program.