

AUTOMATED DRAWWORKS SYSTEM (ADS-10, 20, 30 MODELS) TRAINING

“Master Operation, Troubleshooting, and Maintenance of ADS Models for Optimal Drilling Performance”

Schedule

Date	Venue	Fees
15 - 17 Sep 2026	Dubai, UAE	USD 2495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

The Automated Drawworks System (ADS-10, 20, 30 Models) Training is designed to provide participants with the critical knowledge and skills needed to operate, maintain, and troubleshoot advanced ADS systems in drilling operations. The course covers system components, control logic, operational procedures, and maintenance strategies essential for ensuring safe and efficient rig operations. By the end of this course, participants will gain both theoretical and hands-on understanding of how ADS systems function, how to interpret system diagnostics, and how to apply best practices in system optimization, ensuring minimal downtime and maximum operational efficiency.

Objectives

By the end of this course, participants will be able to:

- Understand the architecture and operational principles of ADS-10, ADS-20, and ADS-30 models.
- Perform routine operations and interpret control panel indicators.
- Troubleshoot and resolve common system faults and alarms.
- Apply preventive maintenance practices to maximize equipment life.
- Ensure compliance with safety standards and best practices in drilling operations.

Why Attend

- Get hands-on experience working with ADS systems in a controlled training environment.
- Learn directly from industry experts with real-world ADS experience.
- Enhance your operational competence and troubleshooting capabilities.
- Reduce equipment downtime by mastering system diagnostics and maintenance.
- Increase your value to your organization by improving drilling performance and safety.

Target Audience

This program is designed for:

- Rig operators and drilling engineers working with ADS-equipped rigs.
- Mechanical and electrical maintenance personnel responsible for ADS systems.
- Supervisors and managers overseeing drilling operations.
- Technicians and engineers seeking to enhance their knowledge of automated rig equipment.

Individual Benefits

Key competencies that will be developed include:

- Proficiency in ADS system operation and control.
- Expertise in identifying and resolving ADS system issues.
- Knowledge of maintenance strategies to prolong system life.
- Improved understanding of ADS integration with other rig systems.
- Confidence in applying best practices to real-world drilling scenarios.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced operational efficiency and reduced non-productive time (NPT).
- Stronger in-house technical capabilities for ADS maintenance and troubleshooting.
- Improved safety compliance and reduced risk of system failure.
- More efficient coordination between operations and maintenance teams.
- Greater overall equipment effectiveness (OEE) in drilling projects.

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Deep dives into system design and control principles.
- Case Studies - Review of real-world drilling incidents and ADS responses.
- Workshops - Hands-on practice with simulators or demo units.
- Peer Exchange - Group discussions and solution brainstorming.
- Tools - Use of diagnostic software and maintenance checklists.

Course Outline

Detailed 3-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: System Overview and Operation

- Module 1: Introduction to ADS Models (07:30 – 09:30)
- System architecture and components (ADS-10, ADS-20, ADS-30).
- Control system interface and key features.
- Safety interlocks and operational protocols.
- Module 2: Operational Procedures (09:30 – 11:30)
- Startup and shutdown sequences.
- Monitoring performance indicators and alarms.
- Best practices for safe and efficient operation.

Day 2: Troubleshooting and Diagnostics

- Module 3: Common Faults and Alarms (07:30 – 09:30)
- Identifying typical system issues.
- Interpreting fault codes and system alarms.
- Using diagnostic tools for root cause analysis.
- Module 4: Corrective Actions (09:30 – 11:30)
- Step-by-step troubleshooting methods.
- Resetting systems and verifying normal operation.
- Case study analysis of past system failures.

Day 3: Maintenance and Optimization

- Module 5: Preventive Maintenance Strategies (07:30 – 09:30)
- Daily, weekly, and monthly maintenance tasks.
- Lubrication, alignment, and wear monitoring.
- Documentation and maintenance records.
- Module 6: System Optimization (09:30 – 11:30)
- Improving system performance and efficiency.
- Integrating ADS with rig management systems.
- Hands-on optimization exercises and wrap-up.

Certification

Participants will receive a Certificate of Completion in Automated Drawworks System (ADS-10, 20, 30 Models), recognizing their skills in ADS system operation, maintenance, and troubleshooting.

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