MASS CO FOR SAFETY AND INDUSTRIAL SECURITY CONSULTANT (MASSCO)

MASS
HSE CONSULTANT CO.

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1-Introduction

Message from the CEO & Founder

CEO & Founder:

Dear Esteemed Colleagues and Partners,

As the CEO and founder of MASS HSE Consultant Co.,

I am honored to extend my heartfelt gratitude to each of you for your unwavering support and dedication to advancing occupational health and safety standards across our industry.

Our mission at MASS HSE Consultant Co. has always been to provide top-tier training and consultancy services that empower organizations to cultivate safer work environments. Through our comprehensive courses, such as the Authorized Gas Tester (AGT) and H2S Safety Awareness SCBA Training, we strive to equip professionals with the knowledge and skills essential for mitigating workplace hazards.

The numerous success stories we've witnessed in the realm of occupational safety and health are a testament to our collective commitment. Together, we've fostered a culture where safety is paramount, ensuring that every individual return home safely at the end of each workday.

As we look to the future, MASS HSE Consultant Co. remains steadfast in its dedication to excellence, innovation, and the continuous improvement of health and safety practices. We are excited about the opportunities ahead and the potential to make an even greater impact in our communities.

Thank you for being an integral part of our journey. Together, we will continue to champion the cause of occupational health and safety, setting new benchmarks for others to follow.

Warm regards,

Eng. ADAM

CEO & Founder MASS HSE Consultant Co.

2-Who we are

2.1 Company Overview

Mass Co for Safety and Industrial Security Consultant WLL is a leading provider of safety and industrial security services, dedicated to ensuring workplace safety, operational efficiency, and compliance with international standards. Our team of experienced professionals delivers cutting-edge solutions across a diverse range of industries, leveraging advanced technology and a commitment to excellence.

2.2 Mission & Vision

We specialize in comprehensive safety assessments, equipment inspections, and regulatory certifications to meet the unique needs of our clients. At Mass Co, we are not just consultants—we are your trusted partners in fostering a safe and secure working environment.

YOUR SAFETY IS OUR CONCERN

3. training Services:

3.1 International Accreditation Training:

We offer internationally accredited training programs in occupational health and safety, enabling workers to earn globally recognized certifications, and enhancing their skills and efficiency in the workplace.

3.2 Competency Training for Heavy Equipment Operators:

MASSCO offers specialized training courses aimed at improving the competency of heavy equipment operators to safely and effectively operate machinery, ensuring accident prevention and maximum productivity.

3.3 Customized Training:

MASSCO provide tailored training programs that meet the specific needs of companies and clients, improving safety and performance in diverse work environments.

3.1 International HSE course

3.1.1 IBSP (International board of safety Professionals)

A-Programs Details OSHA Course

1. OSHA 30-Hours for Construction Industry
2. OSHA 30-Hours for General Industry
3. OSHA 10-Hours for Construction Industry
4. OSHA 10-Hours for General Industry
5. OSHA 48-hours Occupational Safety and Health Manager
6. OSHA 40-Hours HAZWOPER
7. OSHA 132-Hour Occupational Safety and Health Professionals
8. OSHA 155- Hours Specialist (Oil and Gas Industry)

B- Train the Trainer Course

1. Incident Investigation: Train the Trainer
2. Hydrogen Sulfide Safety (HST): Train the Trainer
3. HAZPOWER: Train The Trainer (HTTT)
4. Occupational Health & Safety (OHS): Train the Trainer
5. Construction Safety: Train The Trainer
6. Oil & Gas Safety: Train the Trainer
7. Industrial Safety: Train The Trainer
8. Scaffolding: Train The Trainer
9. Lifting & Rigging: Train the Trainer
10. Confined Space Safety: Train The Trainer
11. Work at Height: Train the Trainer

C-Specialist Course

1. Oil & Refinery Safety (ORS) Specialist
2. Environment Social Governance (ESG) Specialist
3. Environment & Sustainability Specialist
4. Process Safety Management (PSM) Specialist
5. Rigging & Lifting Safety Specialist
6. Workplace Ergonomics Specialist (WES)
7. Scaffold Safety Specialist (SSS)
8. Lockout Tagout Specialist (LTS)
9. Accident Investigation Specialist (AIS)
10. Hazard Communication Specialist (HCS)
11. HAZWOPER Specialist (HZS)
12. Confined Space Entry Specialist – Construction (CSSC)
13. Electrical Safety Specialist (ESS)
14. OHE Railways Safety Specialist
15. P-WAY Safety Specialist
16. Marine and Shipyard Safety Specialist

D- Professionals Course

1. Certified Occupational Health & Safety Manager (COHSM)
2. Certified Environmental Manager (CEM)
3. Certified Healthcare Safety Manager (CHSM)
4. Certified Construction Safety Manager (CCSM)
5. Certified Safety Manager (CSM)
6. Certified Safety Officer (CSO)
7. Certified Safety Supervisor (CSS)

3.1.2 NASP (National Association of Safety Professionals)

1. 10-Hour General Industry
2. 30-Hour General Industry
3. Bloodborne Pathogens
4. Confined Space Entry
5. Electrical Safety
6. Ergonomics
7. Fire and Egress
8. Hazard Communication (GHS)
9. Hazardous Materials
10. Inspections
11. Lockout Tagout
12. Machine Guarding
13. Materials Handling
14. Occupational Safety & Health Advanced Diploma
15. Occupational Safety & Health Basic Diploma
16. PPE (Head, Hand, Eye, Foot, Hearing Protection)
17. Walking & Working Surfaces
18. Weld/Cut/Braze
19. Workplace Violence Prevention

https://www.naspweb.com/

3.1.3 STI (Scaffold Training Institute)

1. Scaffold erection & dismantle
2. Scaffold design and calculation
3. Scaffolder competent person erector
4. Scaffold competent person inspector

3.1.4 ASHI(American safety and health institute)

1. Basic Life Support (BLS)
2. Adult First Aid | CPR AED
3. Pediatric
4. Oxygen
5. Stop Life-Threatening Bleeding
6. Child and Babysitting Safety (CABS)
7. Bloodborne Pathogens (BBP)
8. ACLS
9. EMR - Emergency Medical Response

3.1.5 IOSH (Institution of Occupational Safety and Health)IOSH

1 managing safely
2 working safely

3.1.6 Global OSHA

#230 Advanced Construction Worker Safety

3.1.7 IRBA (Integrated Regulatory Board of Auditors)

1. ISO 22000:2018 Food Safety Management Systems
2. ISO 29001:2020 Oil, Gas, and Petrochemical Industry
3. ISO 17021-1:2015 Conformity Assessment
4. ISO 50001 Energy Management System
5. ISO 45001:2018 Occupational Health and Safety Management Systems
6. ISO 14001:2015 Environmental Management Systems
7. ISO 9001:2015 Quality Management Systems (QMS)

3.2 Competency Training for Heavy Equipment Operators

Competency Training for Heavy Equipment Operators:

MASSCO offers specialized training programs designed to enhance the competency of operators in handling heavy equipment safely and efficiently. These courses aim to minimize accidents while maximizing productivity.

Key Training Objectives

•Safe Operation: Emphasizing techniques to avoid accidents and equipment damage.

Operational Efficiency: Training operators to use equipment in the most productive manner.

•Preventive Maintenance: Educating operators on basic maintenance to ensure equipment longevity.

Types and Classes of Heavy Equipment

Heavy equipment is categorized based on its functionality and application. Below are the common types and classes:

1. Earthmoving Equipment

2. Lifting and Material Handling Equipment

3. Road Construction Equipment

4. Compaction Equipment

5. Mining Equipment

6. Hydraulic Equipment

7. Specialized Equipment

3.3 Customized Training:

We offer tailored training programs designed to meet the specific needs of companies and clients. These programs help enhance safety standards and performance across diverse work environments.

HSE Training Topics for Construction Sites

1. General Safety Awareness
2. Personal Protective Equipment (PPE)
3. Fall Protection
4. Electrical Safety
5. Fire Safety
6. Hazard Communication (HazCom)
7. Equipment and Machinery Safety
8. Excavation and Trenching Safety
9. Manual Handling and Ergonomics
10. Health and Environmental Hazards
11. Emergency Preparedness and Response
12. Scaffolding Safety
13. Confined Space Safety

4. Inspection services

Our Work Scope

At **MASS HSE Consultant Co.**, we provide comprehensive **safety and industrial security solutions**, ensuring compliance with global standards. Our key services include:

◈ **Non-Destructive Testing (NDT)** – Advanced inspection techniques to assess materials and structures without damage.

◈ **Heavy Equipment Inspection & Certification** – Thorough inspections and third-party certification for heavy equipment, lifting gear, and machinery.

◈ **Scaffold Third-Party Inspection** – Ensuring structural integrity and compliance of scaffolding systems.

◈ **Fire System & Extinguisher Inspection** – Inspection and maintenance of fire suppression systems to ensure emergency readiness.

◈ **Gas Detector Calibration & Maintenance** – Precision calibration and servicing for optimal gas detection performance.

◈ **Confined Space Inspection & Gas Testing** – Hazard assessments, third-party safety designs, and accurate gas testing for safe operations.

4.1 Non-Destructive Testing (NDT)

About:
Non-Destructive Testing (NDT) is a group of analysis techniques used to evaluate the properties of materials, components, or systems without causing damage. This means the tested item can still be used after inspection. NDT is widely employed in industries such as aerospace, construction, manufacturing, and energy to ensure the safety, reliability, and integrity of critical components and systems.

Description:

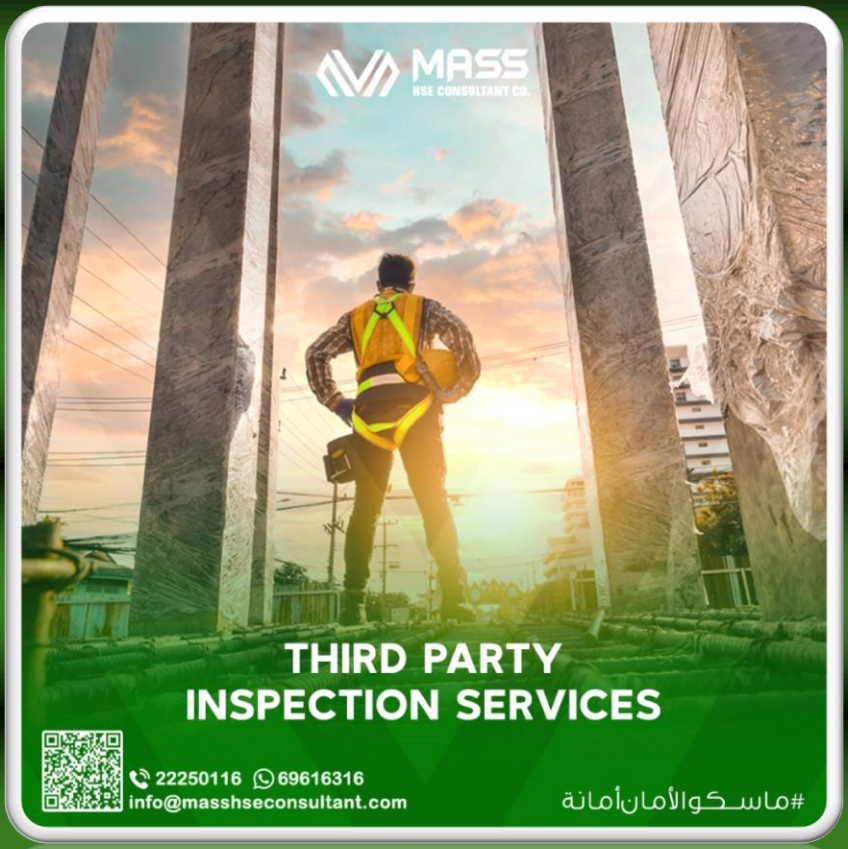
NDT involves a variety of methods that leverage physical principles to detect flaws, measure properties, or monitor structural health. These methods do not alter or damage the inspected item, making them invaluable for quality control and maintenance.

Common NDT techniques include:

1. **Ultrasonic Testing (UT):** Uses high-frequency sound waves to detect flaws or measure material thickness.
2. **Radiographic Testing (RT):** Utilizes X-rays or gamma rays to identify internal defects.
3. **Magnetic Particle Testing (MPT):** Detects surface and near-surface defects in ferromagnetic materials.

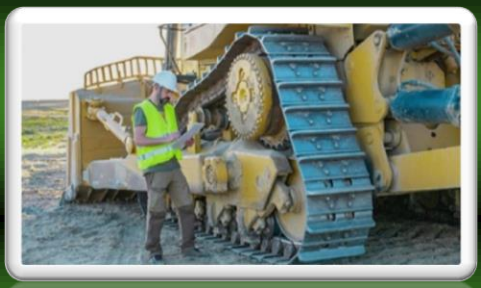
4. **Liquid Penetrant Testing (LPT):** Reveals surface defects using a dye that penetrates cracks.
5. **Eddy Current Testing (ECT):** Employs electromagnetic fields to detect flaws in conductive materials.
6. **Visual Testing (VT):** Simple visual inspection using tools like magnifying glasses or cameras.
7. **Acoustic Emission Testing (AET):** Monitors stress waves emitted by cracks or defects during loading.

4.2 Heavy Equipment Inspection, Lifting Equipment, and Lifting Gear



About

Heavy equipment inspection involves the systematic evaluation of machinery, tools, and accessories used in lifting and rigging operations to ensure their safe and effective operation. It applies to cranes, hoists, forklifts, chains, slings, and other lifting gear used in construction, manufacturing, transportation, and other industries. The inspection ensures compliance with regulatory standards and minimizes the risks associated with equipment failure.



Description

1. **Heavy Equipment Inspection**

- Comprehensive examination of equipment to identify defects, wear, or damage.
- Includes visual checks, functional testing, and load testing.
- Ensures compliance with standards like OSHA, ASME, or local safety regulations.

2. **Lifting Equipment**

- Machinery and devices designed to lift or lower loads.
- Examples: cranes, hoists, and hydraulic lifts.
- Used in diverse industries like construction, shipping, and warehousing.

3. **Lifting Gear**

- Accessories used alongside lifting equipment to secure loads.
- Examples: chains, slings, shackles, and hooks.
- Vital for safe load handling and distribution.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4.3 Scaffold Third-Party Inspection

About

Scaffold Third-Party Inspection involves an independent evaluation of scaffolding structures by a qualified external agency or inspector. This process ensures that scaffolding systems meet safety, design, and compliance standards set by local, national, or international regulations. Such inspections are critical in industries like construction, oil and gas, power generation, and shipbuilding, where scaffold safety directly impacts worker well-being and operational efficiency.

Description

A third-party scaffold inspection typically includes:

- **Initial Inspection:** Before the scaffold is put into use, an inspector evaluates its design, erection, and materials for compliance with safety standards.
- **Periodic Inspections:** Regularly scheduled inspections ensure continued safety during the scaffold's use, identifying any wear, damage, or risks that may arise.

- **Post-Modification Inspections:** Whenever the scaffold is altered or adjusted, a third-party inspection confirms that it remains safe for use.
- **Final Inspections:** Conducted after the scaffold is dismantled to ensure no damage or hazards are left behind.

Inspectors assess key elements such as load-bearing capacity, stability, access points, safety rails, and compliance with OSHA, ISO, or other relevant standards.

4.5 Fire System & Fire Extinguisher Inspection Services:

About

Fire System & Fire Extinguisher Inspection Services ensure that your fire safety equipment is fully operational, compliant with local regulations, and ready to respond in case of a fire emergency. These services involve the inspection, testing, and maintenance of fire extinguishers, sprinkler systems, fire alarms, and other fire protection systems.

Description

Inspection services typically include the following steps:

1. **Visual Inspection**: Check for visible damage, corrosion, or obstructions.
2. **Pressure Testing**: Ensure fire extinguishers are fully charged and functional.
3. **System Testing**: Conduct operational tests for alarms, sprinklers, and suppression systems.
4. **Documentation**: Provide detailed reports of the inspection, including compliance status and recommendations for repairs or replacements.
5. **Maintenance**: Perform necessary repairs or replacements to meet safety standards.

These services are conducted by certified technicians and often required on a monthly, quarterly, or annual basis depending on local fire codes and industry standards.

4.6Gas Detector Calibration & Maintenance

About

Gas detector calibration and maintenance are critical processes to ensure the accuracy, reliability, and safety of gas detection systems. Gas detectors are used in various industries to monitor hazardous gases and ensure workplace safety. Calibration involves adjusting the device to provide accurate readings by comparing its output to a known standard or reference gas. Maintenance ensures the device functions optimally, free from damage, or sensor degradation.

Description

1. **Calibration**:
   - Performed at regular intervals as specified by the manufacturer or regulatory requirements.
   - Uses test gases with precise concentrations to validate or adjust the device's accuracy.
   - **Types of calibration include:**
     - **Bump Test**: A quick test to verify the detector's response to a gas.
     - **Full Calibration**: A comprehensive process where the device is adjusted to match standard gas values.
2. **Maintenance**:
   - Includes cleaning, replacing sensors, and checking battery life.
   - Ensures proper operation of alarms, sensors, and display interfaces.
   - Involves software updates and troubleshooting any device errors.

4.7 Confined Space Inspection, Third-Party Safety Design, and Gas Testing

About

Confined spaces are not primarily designed for human occupancy but may require workers to enter for inspection, maintenance, or other tasks. Examples include tanks, silos, vaults, pipelines, and tunnels. These spaces often pose serious risks due to limited ventilation, restricted entry and exit, and hazardous substances.

Third-party services specializing in confined space safety ensure compliance with regulations, minimize risks, and provide expert guidance. Gas testing is a crucial part of confined space safety, detecting dangerous atmospheres and preventing harm to workers.

5-ISO companies Certifications

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

ISO 22000:2018

ISO 27001:2022

ISO 37001:2016

ISO 13485:2016

ISO 50001:2018

MASSCO Company offers services to qualify businesses in the industrial and construction sectors for obtaining various ISO certifications. This is achieved through a distinguished team of professionals and inspectors who ensure easy inspection procedures, promptly address and correct any errors or shortcomings in the clients' systems, and assist in the creation of ISO-specific systems. Additionally, we provide training to company staff to maintain and uphold ISO standards.

Furthermore, our company handles the issuance of ISO certificates and ensures that they are registered with the International Accreditation Forum (IAF), guaranteeing global recognition and compliance.

6- Lifeline design, Installation, and Testing

About Lifeline Systems

Lifeline systems are safety mechanisms designed to provide fall protection for workers operating at height. These systems typically include horizontal or vertical cables, rails, or anchor points that workers attach to using personal protective equipment (PPE), such as harnesses and lanyards. Lifeline systems are essential in construction, maintenance, and industrial environments where fall hazards exist.

Description

Lifeline studies, installation, and testing involve three critical phases:

1. **Studies/Design Phase**: This phase involves evaluating the worksite for potential fall hazards and designing a lifeline system tailored to the site's specific needs. Key steps include:
   - Hazard analysis and risk assessment.
   - Load capacity analysis for structures where lifelines will be installed.
   - Selecting suitable materials and components for the system.
   - Compliance with relevant safety standards (e.g., OSHA, ANSI, EN).
2. **Installation Phase**: Installation involves setting up the lifeline system at the site. This includes:
   - Securing anchor points.
   - Installing cables, rails, or other lifeline components.
   - Integrating energy absorbers or shock arresters.
   - Ensuring proper alignment and tension of the system.
3. **Testing and Certification Phase**: After installation, rigorous testing is conducted to ensure the system performs as designed. This includes:
   - Load testing to verify structural integrity.
   - Simulated fall tests to ensure proper functionality.
   - Inspections for compliance with safety standards.
   - Documentation and certification for regulatory requirements.

7-Contact us

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