

ULTRATECH

House of Expertise & Third Party Inspection Body

هيئة أبوظبي للدفاع المدني
ABU DHABI CIVIL DEFENCE
AUTHORITY



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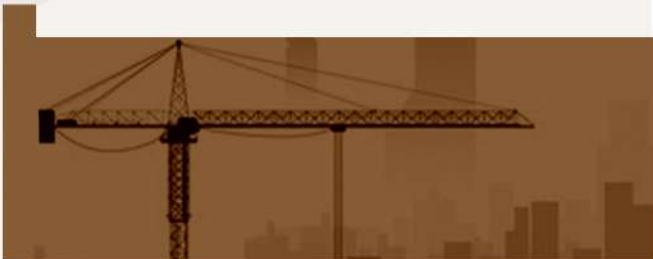
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ABOUT US

Ultratech Engineering Consultants LLC, is a subsidiary of the Ahmed Almazrouei Group L.L.C, headquartered in Abu Dhabi, UAE. Established in 2012, Ultratech stands on seven bases/departments:

- 1 - House of Expertise (HOE) certified by Civil Defence for Hazardous Materials (HAZMAT) (Fuel, Diesel, Gas, Chemical, etc).
- 2 - Third Party Inspection Body approved by ADM and ENAS for Lifting, Earth Moving, and all Construction/Transportation machineries, equipment in addition to all Lifting Gear.
- 3 - Third Party Inspection Body for certifying Porta-cabins and Temporary Caravans/Offices and Accommodation.
- 4 - Third Party Inspection Body for certifying all types of Scaffolding (Inspections and Design).
- 5 - Training Body certified from ACTVET for Training of Staff, Operators, First Aiders, HSE, and Scaffolders, etc.
- 6- House of Expertise (HOE) for Fire and Life Safety (FLS) Services.
- 7- Quantitative Risk Assessment (QRA), preparation and finalization.

We evaluate safety procedures and assess the overall safety standards of job sites, ensuring peak efficiency.



Our commitment to upholding the highest industry standards is reflected in every facet of our operations.



We embody a culture of excellence, professionalism, and unwavering dedication to safety.



We stand as a trusted partner for organizations seeking comprehensive safety evaluations and training solutions.

ACCREDITATIONS & APPROVALS

We are distinguished from others by having certifications, accreditations, and endorsements. Our services are in compliance with the ISO/IEC 17020 standards, and we are duly registered by the following authorities to carry out our operations:

House of expertise
(HOE) certified by
Abu Dhabi Civil
Defense.



هيئة أبوظبي للدفاع المدني
ABU DHABI CIVIL DEFENCE
AUTHORITY



Third Party
Inspection Body TPI
and HOE approved
by DOE and
ADNOC.



دائرة الطاقة
DEPARTMENT OF ENERGY



Third Party
Inspection Body TPI
accredited by
Emirates National
Accreditation System
(ENAS) as type (A).



ENAS
Emirates National Accreditation System

Training Institute
Body registered &
certified by ACTVET
to carry out Trainings.



ACTVET
Abu Dhabi Centre for
Technical and Vocational
Education and Training

مركز أبوظبي
للتعليم والتدريب
التقني والمهني

Third Party
Inspection Body TPI
registered by
Abu Dhabi
Municipality.



دائرة التخطيط العمراني والبلديات
DEPARTMENT OF URBAN PLANNING
AND MUNICIPALITIES



EXECUTIVE TEAM



ENGR. AHMED ALMAZROUEI
CHAIRMAN

Our success is driven by our strategic vision, highly qualified professionals, state-of-the-art technologies, and commitment to quality.

Since its founding in 1989, AAG has grown into a leading regional group with over 800 staff. We offer diverse services, including Oil & Gas Products and Solutions, Management Training, Architectural, Civil Engineering, Electro-Mechanical, Industrial, and Real Estate services. We aim to continuously improve and expand our skills to become a leading diversified group in the UAE and GCC region.



ENGR. MOHAMED ALMAZROUEI
VICE CHAIRMAN



ENGR. ALI ALMAZROUEI
VICE CHAIRMAN - QUALITY AND FOLLOW UP



ENGR. OMAR ALMAZROUEI
VICE CHAIRMAN - SUPPORT SERVICES



ENGR. MAZEN AL JABI
CHIEF EXECUTIVE OFFICER

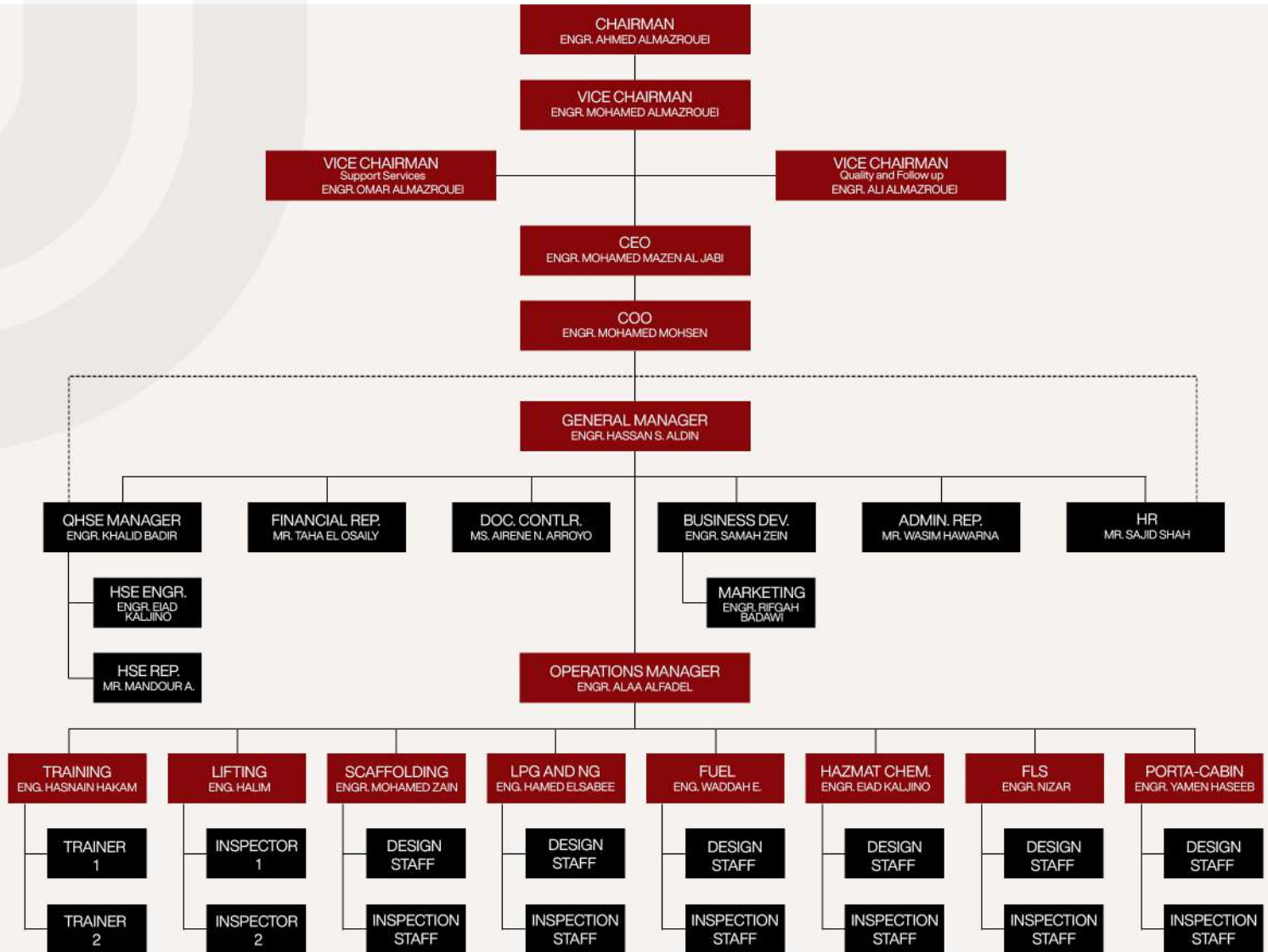


ENGR. MOHAMED MOHSEN
CHIEF OPERATING OFFICER



ENGR. HASSAN S. ALDIN
GENERAL MANAGER

ORGANIZATION CHART



MISSION.

We deem our clients' business as our own business and thus their safety & satisfaction is our concern. Our mission is to be the most compatible, and to consistently deliver unmatched services to our valued clients. To maintain the integrity of our company to ensure improvement of our management system.



We aim to be the most productive and service oriented company in the United Arab Emirates, Gulf region and the Middle East, with our core competence in providing HOE and other independent safety Inspection and Training services. We are responsible for providing winning solutions based on both practical and innovative approaches, ensuring that the results we achieve, will support our vision to be world class in all we do.

VISION.



WHY ULTRATECH ?

Being a part and subsidiary of AAG strengthens our technical solutions and services. The core team of AAG, with its extensive experience and market knowledge, supports all AAG subsidiary firms. This collaboration enhances our capabilities, ensuring we deliver superior quality and innovative solutions to our clients.



INDEPENDENT AND IMPARTIAL

We are 100% Independent and Impartial.



COMPLYING WITH REQUIREMENTS

Complying with the regulatory and statutory requirements that are applicable to our field.



QUALITY, COST EFFECTIVE, & VALUE ADDED SERVICES

As a 100% national firm with international expertise, our professional advice ensures clients' money is well spent by avoiding double work.



QUALIFIED AND SKILLED PROFESSIONALS

We have competent, qualified, LEEA certified engineers, technically skilled along with most modern calibrated equipments.



IN-COUNTRY VALUE (ICV) CERTIFICATION

Our current In-Country Value Certification score: 43.10%



OPTIMAL PERFORMANCE

We ensure optimal performance and reliability of installations, equipment & processes.



EXPANDING AND DIVERSIFYING

Responding to market needs by expanding & diversifying in various related fields, having staff of 26 members from different disciplines.



TRANSPARENT AND FLEXIBLE COMMUNICATIONS

Transparent & Flexible communication with both Management & project team allows early highlights of the challenges & Minimize risks.



COMPETITIVE ADVANTAGE

We secure a competitive advantage through numerous professional certifications.



RISK REDUCTION

We provide solutions using practical and innovative approaches, ensuring risk reduction by adhering standards.



QA / QC PROCEDURES

We secure customer loyalty through strong communication and continual improvement while prioritizing EH&S risk minimization and compliance.



PROTECT INCIDENT

We perform activities to identify, detect and stop a incident, and prevent future incidents.

SERVICES

Ultratech Engineering Consultants LLC. offers a wide range of services to our clients. With highly qualified and experienced professionals in its repository, services are broadly categorized but not limited to the following:

01

HOE SERVICES:
**LPG AND HAZARDOUS MATERIAL
INSPECTION**

02

THIRD PARTY INSPECTION BODY SERVICES:
**LIFTING EQUIPMENT, EARTH MOVING
MACHINERY INSPECTION, TESTING AND
CERTIFICATION**

03

TRAINING INSTITUTE SERVICES:
**SAFETY TRAINING (HSE TRAINING), AND
ASSESSMENT**

04

THIRD PARTY SERVICES FOR:
**PORTA CABIN AND TEMPORARY STRUCTURE
INSPECTION, SAFETY, FIRE RATING AND
CERTIFICATION**

05

THIRD PARTY SERVICES FOR:
**SCAFFOLDING DESIGN REVIEW, SITE
INSPECTION, CERTIFICATION, TRAINING**

06

HOE SERVICES:
**FIRE AND LIFE SAFETY (FLS)
SERVICES**

07

QUANTITATIVE RISK ASSESSMENT (QRA):
**PREPARATION AND
FINALIZATION**

01 **HOE FOR HAZMAT: LPG AND HAZARDOUS MATERIAL INSPECTION SERVICES (Fuel and Chemicals)**

We are the House of Expertise (HOE) for providing all HAZMAT Services from Design to Design review and to Inspection of HOE Scope. Our services are required to assist and attain official approval by Abu Dhabi Civil Defense ADCDA, Department of Energy DOE, and other governmental authorities to ensure clients/customers compliance to the rules and regulations.

We provide Inspections and Certification in addition to the design review and approval of the following:



Design / Shop Drawings / As Built Drawings and
Material sub. review / Approvals



Storage Facilities/Warehouse (Chemical & Hazardous
Materials)



Fixed Diesel Tanks



New/Existing LPG system



C.N.G Road Tankers



NDT for Shell gauging of LPG tanks



LPG Road Tankers and Hazardous Material Transport



Storage Tanks and Cylinders (Flammable & Combustible)



Food Trucks



Compressed industrial gas Storage System.

Based on our vast knowledge in regulations and standards, we have a recognized technical expertise under the following references and standards:

- UAE Fire and Life Safety Code of Practice.
- NFPA 30
- NFPA 30A
- NFPA 54
- NFPA 58
- NFPA 385

1.1 - SITE INSPECTION AND CONFORMITY CERTIFICATION FOR GAS NETWORKS

We offer site visits for new and existing systems to ensure their compliance with the current codes and regulations. The benefit of these inspections is to ensure your system is safely operating within the regulation requirements. The Inspection points includes but not limited to the following:

- Gas control panels
- Regulators
- Tanks and their appurtenances
- Pressure Reduction Distribution Tank (PRDP)
- Piping and Gas Piping Networks in buildings
- Sprinkler systems
- Gas Detectors
- Pressure Gauges
- Temperature Gauges
- Vaporizers

Some of our done projects' photographs:



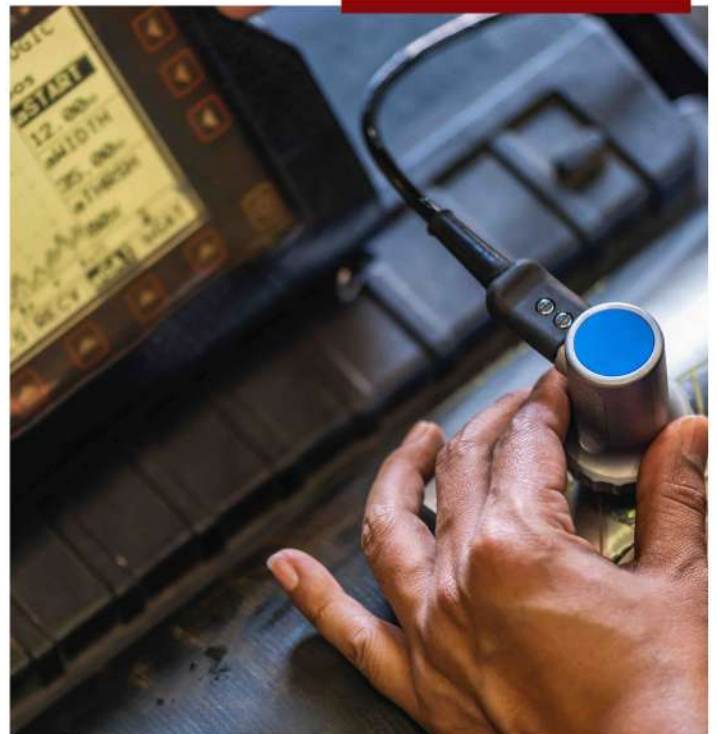
1.2 - NON DESTRUCTIVE TESTING (NDT)

We offer ultrasonic thickness gauging to determine the thickness of storage tanks and if they are within safety limits. The benefits of this test is to ensure that the tank thickness has not reached dangerous levels that may lead to leakage due to internal rust and corrosion.

With the increasing demand in ensuring high degree of excellence for the delivered product, Non Destructive Inspection is playing an ever growing role in this process. It significantly reduces the impact of breakdown by identifying the issues early in any process.

Over the year NDT has been proven tool to amplify the quality of any product from conception to completion. Quality control of engineering products can be effectively done through Non Destructive Testing (NDT) methods.

We are happy to serve you for all your NDT needs with latest equipment, machinery and highly experienced human resource. Ensuring quality control requirements of your organization are always met through our robust clinical inspection procedures.



1.3 - DESIGN AND SHOP DRAWING REVIEW AND APPROVAL

As a civil defense certified consultant, TPI and HOE, we are authorized to design and review shop drawings and approve them as per local and international codes. The scope of services includes but not limited to the review of the following:

- Reviewing tank arrangement plans to facilitate safe and efficient operations.
- Evaluating the design and routing of filling lines for safety and efficiency.
- Ensuring vaporizers & Sprinklers meet design specifications and safety standards.
- Ensuring piping layouts are efficient and compliant with ADCD requirements.
- Evaluating the placement and type of gas detectors for maximum safety.
- Reviewing the design and layout of gas control panels for functionality and safety.
- Ensuring proper earthing and bonding of tanks and pipelines.



1.4 - FIXED FUEL TANK INSPECTION (DIESEL, PETROL, KEROSENE OIL, etc.)

We carry out fuel tanks site inspection that ensure the tanks are safe and free from fire hazards, and any other hazards. We provide compliance with codes and standards for the following:

- Tank Thickness
- Dike Wall appropriateness
- Seals and fittings
- Suitable extinguishing measures
- Color coding
- Necessary labeling Engineering
- Adjacent Structures' distances
- Adjacent Fire Hydrants and Hose reels
- Earthing and proper connections



1.5 - LPG ROAD TANKER INSPECTION

We carry out visual and site inspection that ensure the tankers are safe and free from any fire hazards by the following methods:

- Leak test for the LPG appurtenances shall be conducted with soap solution or portable detector.
- Conduct pressure test with Nitrogen at 15 bar
- Ultrasonic thickness test for the LPG tank shall be conducted.
- Witness hydrostatic test for the hose
- Submit the inspection report with check list in Arabic and English to the Client for the submission of Civil Defense approval.



1.6 - CHEMICAL STORAGE ROOM/WAREHOUSE INSPECTION

This service is offered for the setup of chemical storage room and warehouses and its requirements as per local and international codes. The service includes but is not limited to the following:

- Compatibility analysis
- Safe distances
- Overall design of storage rooms
- Compliances with the codes and standards that are valid in Abu Dhabi, UAE
- Material storing arrangement, organization, and positioning



1.7 - FOOD TRUCK LPG CYLINDER SYSTEM INSPECTION

With Ultratech, you ensure that your food truck meets the required standards for safe and efficient operations. Our services include:

1- LPG Cylinder Location:

- Optimal placement for safety and accessibility.
- Compliance with relevant safety regulations.

2- Gas Network Safety:

- Evaluation of gas piping and connections.
- Compliance with standards.

3- Gas Detectors:

- Strategic placement and calibration.
- Compliance with NFPA 72 and other safety standards.



02 **THIRD PARTY INSPECTION BODY: LIFTING AND EARTH MOVING MACHINERY INSPECTION, TESTING, CERT.**

The inspections are carried out according to the legal regulations and international standards to carry out the following scopes:

- Risk Assessment
- Document Examination
- Visual Inspection / Dimension Tests
- Pre Examination Operation Tests
- Critical Components Examination
- Load Tests



LIFTING EQUIPMENTS:

- Tower Crane.
- Mobile Crane.
- Haib Crane /Mounted Truck Crane.
- Crawler Crane.
- Overhead Traveling Crane.
- Gantry Crane.
- Monorail Crane.
- Construction Hoist.
- Forklift.
- MEWP (Man lift / Scissor Lift).
- Window Cradle / BMU.
- Chain Block ,Lever Block and Chain Hoist.
- Vehicle Lift.

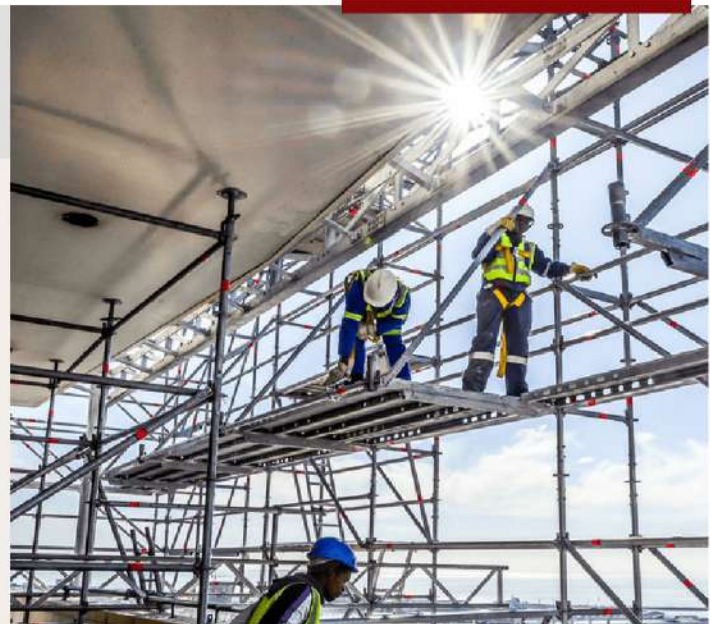


SCAFFOLDING DESIGN REVIEW, INSPECTION, AND APPROVALS:

Scaffoldings play a vital role in construction and other fields where access to heights are required to carry out a job. As these structures possess potential hazards like collapse, fall from height, electric shock due to connection with overhead lines, etc.

Our service includes the design review, inspection, and approvals of following types of scaffolding:

- Mobile Scaffolding.
- Fixed Scaffolding.





LIFTING GEAR & ACCESSORIES:

- Chain Sling.
- Wire Rope Sling.
- Webbing Sling.
- Shackle.
- Hooks.
- Eye bolt.
- Lifting Clamps.
- Lifting Beams.
- Jacks.
- Fall Arrestor.
- Man Basket / Material Bucket.
- Gas detectors



EARTH MOVING MACHINERY:

- Boom Loader
- Skid-Steer Loader
- Excavator
- Shovel Loader
- Backhoe Loader
- Telehandler
- Bulldozer
- Piling Rig Machine
- Dumper
- Grader
- Roller
- Engineering

03 TRAINING INSTITUTE FOR: HEALTH AND SAFETY TRAINING SERVICES

We offer Health and Safety Training Services with a variety of programs designed for Staff, Operators, First Aiders, HSE professionals, Scaffolders and others in the following areas:

01 BASIC FIRST AID

02 ADVANCED FIRST AID

03 BASIC FIRE FIGHTING

04 ADVANCED FIRE FIGHTING

05 WORKING AT HEIGHT

06 CONFINED SPACE ENTRY

07 RIGGING AND SLINGING

08 SCAFFOLDING ERECTION AND DISMANTLING (BASIC)

09 SCAFFOLDING ERECTION AND DISMANTLING (ADV.)

10 SAFE SCAFFOLDING INSPECTOR

11 ELECTRICAL SAFETY

12 CHEMICAL SAFETY

13 HAZARD IDENTIFICATION AND RISK ASSESSMENT

14 HAZARDOUS MATERIAL

15 SAFE USE OF WELDING MACHINE

16 BASIC OCCUPATIONAL HEALTH AND SAFETY

17 5S SAFETY

18 SAFE USE OF OVERHEAD TRAVELLING CRANE

19 SAFE USE OF FORKLIFT

20 SAFE USE OF MOBILE CRANE

21 SAFE STEEL ERECTION

22 BANKSMAN SAFETY

23 SIGNALMAN SAFETY

24 SAFE USE OF BOOM LIFT

25 SAFE USE OF BOOM LIFT/MEWP

26 SAFE USE OF CERAMIC TILE

27	SAFE USE OF CHAIN HOIST	43	SAFE USE OF BENDING MACHINE
28	EMERGENCY PREPAREDNESS AND RESPONSE	44	SAFE USE OF POWER SPRAY GUN
29	FIRE WARDEN	45	SAFE USE OF SHEARING MACHINE
30	FLAGMAN SAFETY	46	SAFE USE OF STACKER/MATERIAL HANDLING MACHINE
31	LIFTING SUPERVISOR	47	SAFE USE OF PUNCHING MACHINE
32	SAFE USE OF SKID STEER LOADER	48	BASIC EXPLOSIVES AWARENESS
33	SAFE USE OF TOWER CRANE	49	SAFE USE OF ROLLER COMPACTOR
34	EXCAVATION SUPERVISOR	50	SAFE USE OF NAIL GUN
35	SAFE USE OF EXCAVATOR	51	CHEMICAL EMERGENCY SPILL RESPONSE
36	SAFE USE OF BULLDOZER	52	INCIDENT INVESTIGATION AND REPORTING
37	SAFE USE OF BACK HOE LOADER	53	HAND AND POWER TOOLS SAFETY
38	SAFE USE OF WINDOW CRADLE	54	SAFE USE OF CEMENT TANKER
39	HYDROGEN SULFIDE SAFETY	55	FIRE MARSHALL
40	GRINDING OPERATION	56	SAFE USE OF TELEHANDLER
41	SAFE USE OF AIR COMPRESSOR	57	SAFE USE OF CONSTRUCTION HOIST
42	SAFE USE OF BAND SAW MACHINE	58	SAFE USE OF TRUCK MOUNTED CRANE

59	DEFENSIVE DRIVING	75	COMMUNICATION SKILLS
60	CHILD PROTECTION TRAINING	76	EMERGENCY EVACUATION DRILL
61	ERECTION AND DISMANTLING OF TOWER CRANE	77	PERMIT TO WORK SYSTEMS
62	MEDICAL GAS AWARENESS	78	GAS TESTING AWARENESS
63	RADIATION SAFETY	79	SAFE USE OF SCISSOR LIFT
64	INFECTION CONTROL	80	CONFINED SPACE RESCUE
65	SHARP EQUIPMENT HANDLING	81	ROOF INSTALLATION & MAINTENANCE WORK SAFETY
66	SAFE USE OF LADDER	82	LOCK OUT - TAG OUT SAFETY
67	SAFE USE OF CUTTING MACHINE		
68	HOW TO USE PPE		
69	SECURITY AWARENESS		
70	HEALTH AND SAFETY MANAGEMENT		
71	BRAZING SAFETY		
72	GENERAL SAFETY		
73	EFFECTIVE STOREKEEPING FOR WAREHOUSE		
74	HOTEL MARKETING		

04 THIRD PARTY INSPECTION BODY FOR: PORTA CABIN & TEMPORARY STRUCTURES INSPECTION, SAFETY, FIRE RATING AND CERTIFICATION SERVICES

We conduct inspections of temporary installations, Porta Cabins, Temporary Caravans, Offices, Accommodation, etc and issue the corresponding fire rating and safety certificates.



05 **THIRD PARTY INSPECTION BODY FOR: SCAFFOLDING** DESIGN REVIEW, SITE INSPECTION, CERTIFICATION, TRAINING

We carry out design review, inspection, and approval for all scaffolding types and issue approval certificates in accordance with ENAS, and all approved Standards/Codes. We are a training body to train scaffolders. We provide training certificates approved by ACTVET.



06 **HOE FOR FLS: FIRE AND LIFE SAFETY SERVICES - DESIGN, DESIGN REVIEW AND SITE INSPECTION**

We are House of Expertise (HOE) certified by Civil Defense and Abu Dhabi Authorities as a specialist in the design, design review, and inspection of Fire and Life Safety systems (FLS) to ensure maximum protection and compliance with safety standards. Our services include but not limited to the followings:

1- **HOE for Fire and Life Safety (FLS) system Design:**

- Tailored fire protection system designs based on building type and risk assessments.
- Integration of fire alarm, suppression, and emergency systems for seamless operation.
- Compliance with international safety codes and local regulations.

2- **HOE for Fire and Life Safety (FLS) system Design Review and Approval:**

- Review and FLS designs done by others and issue Comments/approvals on the same.
- Issue HOE & Third Party (TPI) Design Review and approval reports in accordance with the applicable Codes and Standards and Regulations related to the Governmental Authorities.

3- **HOE for FLS Site and System Inspection and Approval:**

- Comprehensive site and system inspections of fire detection and suppression systems.
- Issuance of Site/System inspection (HOE and TPI Report) accordingly.
- Identification of potential risks and system inefficiencies.
- Detailed reporting and corrective action recommendations.

4- **HOE Risk Assessment Report:**

- Ultratech professional team are qualified and experts in preparing and generating Risk Analysis and issuance of Risk Assessment Reports and other QRA accordingly.



07 **QUANTITATIVE RISK ASSESSMENT: PREPARATION & FINALIZATION**

Our services are not limited to the followings:

- Ultratech team/staff are expert in collecting all the required information to build the QRA scenarios for the softwares.
- Ultratech Expert Staff and Team are the most reliable team to carry out the Quantitive Risk Assessment reporting and scenarios and issue Quantitive Risk Report that may assist the Client to deal with any risk scenario in case the same was required.
- Ultratech staff are using best QRA software in order to cover all proposed scenaraios.



POLICY

Our inspection procedure consists of the following:

Quality Policy

We Emphasize on customer's contentment and surpass their expectations through a squad of trained and dedicated personnel, and providing an aura of joy and satisfaction to our employees by continually improving the effectiveness of quality management system.

HSE Policy

To provide a cleaner, safer and better environment to work on. Reducing the health and safety risks associated with the activity of the client, thus enhancing their commitments shown towards social, moral, economical and legislative aspects. To help our clients achieve zero accident rate through our quality maintaining and monitoring process. Increase the per capita working hours by identifying the health and safety aspects which in turns benefit the client in terms of productivity. To make all the workers safety cautious, by giving awareness on importance of reporting incidents and near misses and train them for the same.

Confidentiality and Impartiality Policy

We understand the importance of impartiality in carrying out the inspection, testing and certification activities. We have identified and analyzed the possibilities to conflict of interest and the threats to impartiality, we safe guard and manage the conflicts of interest.

CLIENTS



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