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MLC
QEHS AT ONE PLACE

ML CONSULTANCY



OUR SERVICES:

1. ISO Certification of company's related to OHSMS, EMS & QMS & IMS.
2. Internal Audit's in organizations related to QEHS.
3. Employment services related to QEHS.
4. Documentation preparation support related to QEHS.
5. Fire Equipment Installations and Fire Licenses.
6. PPE's Supply related to any Industry.
7. Trainings related to QEHS with materials.
8. Supporting in Plant setup & Upgradation related to QEHS.
9. Supporting in investigations related to any type of Incidents.
10. Special services like Safety Studies, Power System Studies, Industrial Hygiene, Supply of Pharma Clean Room Equipment's are available

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Internal Audit's in organizations related to QEHS.

What is called as Auditing:

Auditing is defined as the on-site verification activity, such as inspection or examination, of a process or quality system, to ensure compliance to requirements. An audit can apply to an entire organization or might be specific to a function, process, or production step.

ML Consultancy has been providing 3rd Party Independent QEHS audits to all industries since her inception.

Our pool of auditors is fully committed in adding value to your esteemed organization QEHS System by providing detailed and informative audit reports based on the following list of audit services:

- Mandatory S & HMS Audits
- Construction Worksite
- Metalworking Industry
- Shipyard
- Oil Refinery
- Petrochemical Plant
- Semiconductor Wafer Fabrication Plant
- Chemical Manufacturing Plant
- Pharmaceutical Plant
- Bulk Storage Terminal
- Internal ISO 9001 /ISO 14001 /ISO 45001
- Safety Audit for the Handling of Hazardous Substances

TYPES OF AUDITS:-

1. IMS Audit
2. Safety Audit
3. Environment Audit
4. Health & Safety Audit
5. Survivalence Audit



ISO Certification of company's related to OHSMS, EMS, QMS & IMS.



What is meant by Certification? -

Certification is the formal attestation or confirmation of certain characteristics of an object, person, or organization. This confirmation is often, but not always, provided by some form of external review, education, assessment, or audit. Accreditation is a specific organization's process of certification.

MLC Certification was founded with the simple aim of providing a certification service which goes beyond simply ticking the boxes. We wanted to provide a service which went beyond the grey, unemotional check-list approach to auditing and inspection which has typified the industry for far too long. As a result, we have constantly endeavored, and will continue to strive to introduce new, cutting edge and innovative approaches to meet the needs of our clients.

Journey to Certification

Detailed Proposal: -

After a brief discussion with a member of our business development team, when you are ready to proceed, we will provide you with an individually tailored proposal, covering the investment required to obtain your ISO certification.

Steps to Certification: -

Obtain a full copy of the relevant ISO Standard documentation and review the requirements. Assemble your team, review our training course and define your strategy. Develop and implement your management system (policies, procedures and controls). You are now ready to start the assessment process for your management system.

Pre-Assessment: -

Pre-assessment is an early opportunity to review your management system against the requirements of the relevant ISO standards (s). Your assessor will conduct a gap-analysis and provide you with a full report of any areas to address before the formal assessment begins. After each stage, the assessor will prepare and deliver a comprehensive written assessment report detailing the findings of the assessment.

Stage One Assessment

This initial assessment determines if the mandatory requirements of the standard are being met and if the management system is capable of proceeding to stage two. Non-conformities identified by the assessor will need to be addressed by your organization. At the end of your stage one assessment, all areas should be compliant with requirements of the relevant ISO standard(s) and allow progression to stage two.

Stage Two Assessment

The stage two assessment determines the effectiveness of your management system, and seeks to confirm that your management system controls have been implemented and is fully operational. If your assessor is satisfied that your organization is fully compliant with the relevant ISO standard(s), they will recommend your organization for certification.

Certification Decision

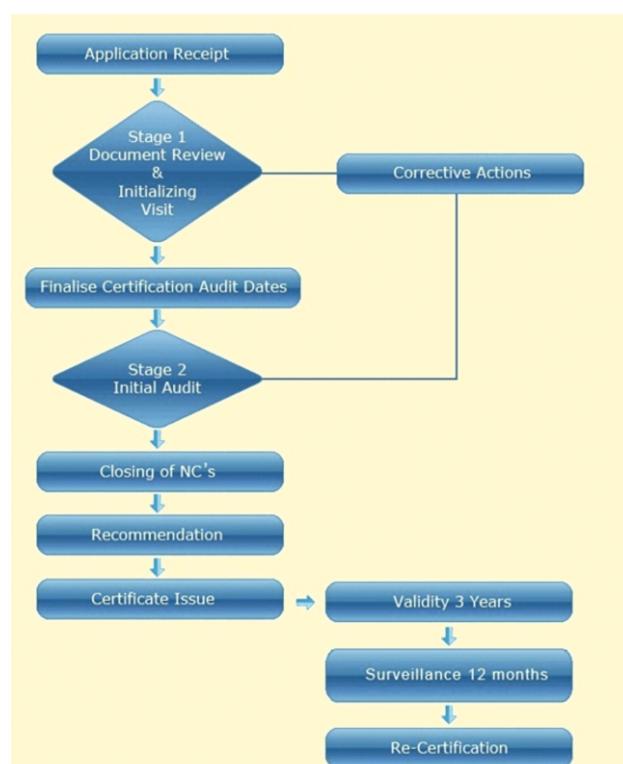
At this point in the process the assessor reviews any corrective actions taken to address findings raised in stage one and two. On successful completion of stages one and two, your assessor will make a recommendation for certification. The Certification Manager will review your file to ensure that the recommendation is made in an impartial, fair and competent manner.

Certification Presentation

Once ISO certification is achieved, your organization will be issued with a Certification certificate and frame. You will also be provided with relevant logos (stickers and electronic versions) and an online digitally-signed version of your certificate.



ISO Certification Flowchart



Documentation preparation support related to QEHS.

QEHS Documentation:

The EHS document templates are required for any Organization for getting certified in ISO 14001:2015, ISO 9001:2015 and 45001:2018 compliance. As each business is different, additional QEHS documents or revisions would be required to meet your organization's specific needs, requirements, context, risk profile, etc. If after reading through all of these documents, you feel like you need a consulting partner to help you develop your new QEHS documents.

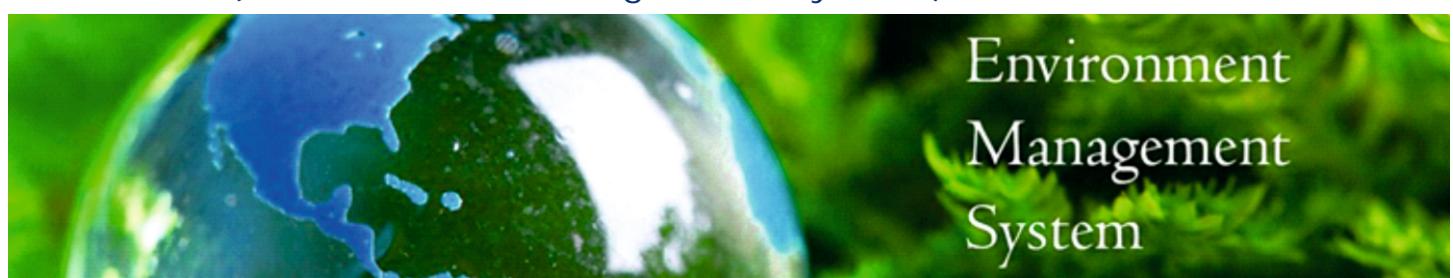
ISO 45001



Mandatory Documents Required for OHSMS (Occupational Health & Safety Management System) Certification:

- OH & S Manual
- OH&S policy
- Organization chart
- Identifying interested parties such as neighbors, regulatory bodies, NGO's and employees
- Risk matrix
- OH&S objectives and plans
- ERP Plan & Mock drill reports
- HIRA
- Legal Register
- Skill matrix, Training records
- Communication evidence
- ERP Plan & Mock drill reports
- Check lists of equipment's, third party certificates, calibration certificates, etc.
- PM Schedule, Calibration certificates
- Legal Register
- Audit schedule
- Audit report
- Minutes of Management Review
- Incidents Register
- Investigation reports of incidents
- Action plans
- Procedure for determining context of the organization and interested parties
- Procedure for identification and evaluation of environmental aspects and risks
- Competence, training and awareness procedure
- Procedure for communication
- Procedure for document and record control
- Procedure for internal audit
- Procedure for management review
- Procedure for management of nonconformities and corrective actions.

Mandatory Documents Required for EMS (Environment Management System) Certification:



- EHS Manual
- Environmental policy
- Identifying interested parties such as regulatory bodies, neighbors, employees, NGO's
- Risk matrix
- Aspect-Impact register
- Significant environmental aspects
- Environmental objectives and plans
- OCP
- ERT Team, ERP Plan & Mock drill reports
- Legal register
- Skill matrix, Training records
- Communication evidence such as notice boards, emails, any bulletin
- Checklists, compliance registers, third party certification, calibration
- Audit programme
- Audit report
- Minutes of Management review
- Action plans
- Procedure for determining context of the organization and interested parties
- Procedure for identification and evaluation of environmental aspects and risks
- Competence, training and awareness procedure
- Procedure for communication
- Procedure for document and record control
- Procedure for internal audit
- Procedure for management review
- Procedure for management of nonconformities and corrective actions.

Mandatory Documents Required for QMS (Quality Management System) Certification:

Quality Management System



- The organization's quality policy and quality objectives.
- Quality manual.
- Procedures, instructions, and records.
- Data management.
- Internal processes.
- Customer satisfaction from product quality.
- Improvement opportunities.
- Quality analysis.

Fire Equipment Installations and Fire License as per Government norms.

Welcome to MLConsultancy Fire Systems Wing

If your business is on re-risk, you need to check it and search for the best fire protection solutions to ensure the safety of your business. MLC Fire Systems feel privileged to introduce ourselves as the fire safety solution company providing assistance through our valuable products and services.

Fire Protection

Fire Extinguishers:

We are the leading fire extinguisher suppliers in Hyderabad with our associated partners. We deal all type of fixed and trolley type fire extinguishers, after supply we undertake fire extinguishers AMC services & fire extinguishers refilling services.

- Stored Pressure Water Type Fire Extinguishers:
- DCP (ABC) Stored Pressure Type Fire Extinguishers:
- Carbon Dioxide Type Fire Extinguishers:
- Stored Pressure M. Foam Type Fire Extinguishers:
- Stored Pressure Clean Agent Type Fire Extinguishers:
- Modular Type Fire Extinguishers:



Fire Hydrant Systems

Internal hydrant:



External hydrant



OUR BRANDS



MLC Fire Detection Systems:

Types of Fire Alarm System: -

- Heat detectors
- Smoke detectors
- Carbon Monoxide detectors
- Multi-sensor detectors
- Manual Call Points



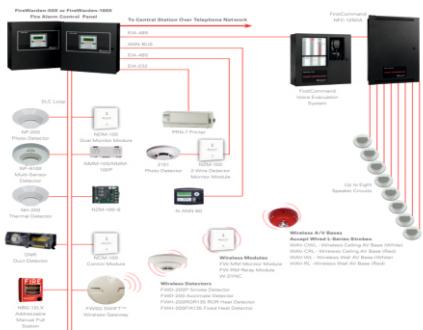
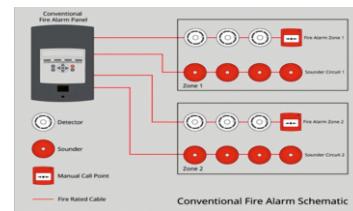
Different Types of Fire Alarm Systems :-

Fire Alarm Systems can be broken down into four main types;

- Conventional
- Addressable
- Intelligent
- Wireless

What is a conventional fire alarm system?

A conventional system employs one or more initiating circuits, connected to sensors (initiating devices) wired in parallel. These sensors are devised to decrease the circuits resistance when the environmental temperature on any sensor exceeds a predetermined threshold.



What is a addressable fire alarm system?

An addressable fire alarm system works by having every detection and notification device connected to each other and to the addressable fire alarm control panel. An addressable system sends digital signals in binary code, as opposed to a conventional fire alarm system which operates through electrical currents. Addressable systems operate like a computer and convert variations in voltage to binary code, various combinations of zeros and ones.

What is a intelligent fire alarm system?

Intelligent fire alarm system also known as smart addressable fire alarm system. Intelligent fire alarm systems are designed for flexibility through custom programming specific to each application. Common smart fire alarm system products including Fire Alarm Control Panel, Smoke Detector, Heat Detector, Manual Call Point and other products. Accurate and intelligent to ensure fire safety.



What is a Wireless fire alarm system?

The proposed fire alarm system is the first comprehensive wireless solution for all structures where it is not possible to provide traditional cabling or carry out construction works, or even the smallest repair. Its installation is fast and efficient, whereas thanks to the elements which imitate marble or wood or are painted to a RAL color the effect is highly aesthetic.

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MLC Fire Suppression Systems

Co2 Fire Suppression System

Confirm: IS 15528
IS 15493
NFPA 12



Components

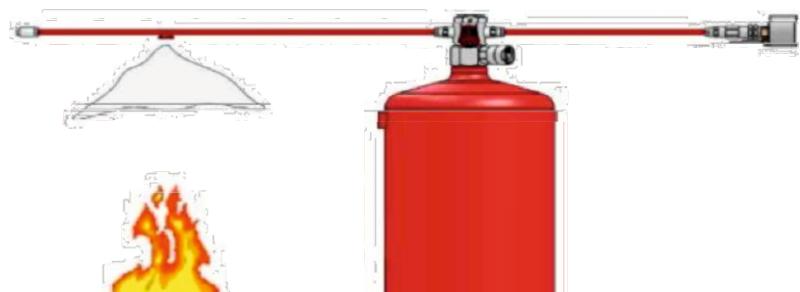


Applications for C02



FIRE DTK TUBING SUPPRESSION

Carbon Dioxide (CO2)
Dry Chemical Powder (MAP/PBC)
Clean Agent (HFC227ea/236fa/FK5-1-12)



APPLICATION



INSTALLATION



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ADVANCED EXTINGUISHING SOLUTION



VARIANT
1



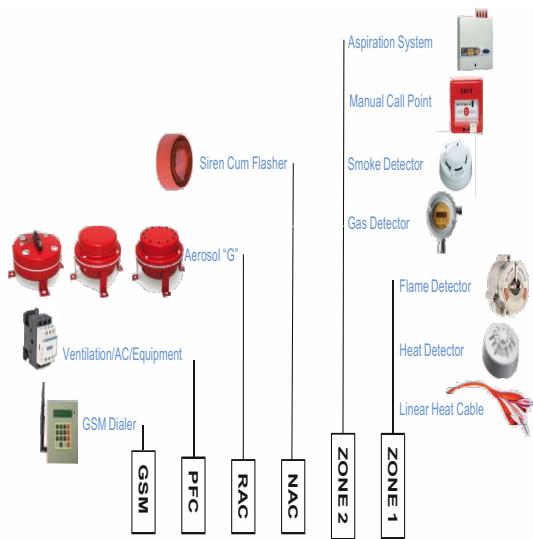
Aerosol "G" The Original DSPE Standalone Protection



VARIANT-2 : SPRINKLER BULB ACTIVATION



VARIANT-3 : FIRE CONTROL MODULE



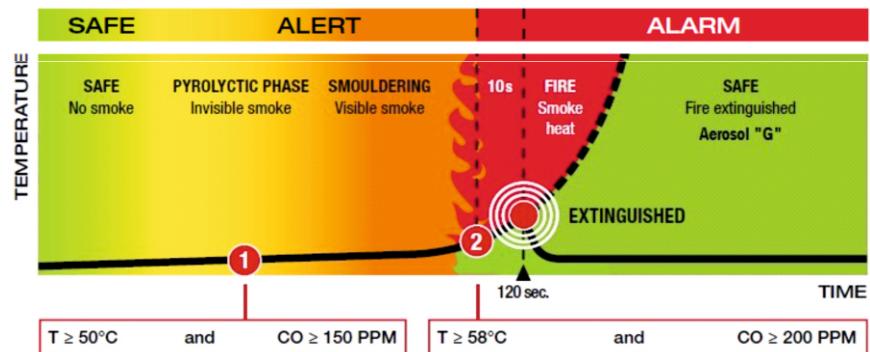
FEATURES

- FCM for Aerosol Fire Detection and Extinguish System for Panel, Engine, CNC Machine Etc... onshore and offshore applications.
- Capacity to manage up to 2 detection Zone , Cross Zone to avoid false release
- Choice of Fire Detection Technology (linear heat detector cable & Smoke/Flame/Gas/Aspiration Sensors);
- Direct control of up to 5 Aerosol "G"
- 10yrs Back up batteries
- Acoustic Alarm Signal;
- Manual or Automatic Activation
- Provision to Con gure with GSM Dialer



VARIANT-4 : FIRE MANAGEMENT DEVICE

- Detects
 - Alerts
 - Communicates
 - Extinguishes
 - Controls
- DETECTION TYPE
- Thermal
 - Carbon Monoxide

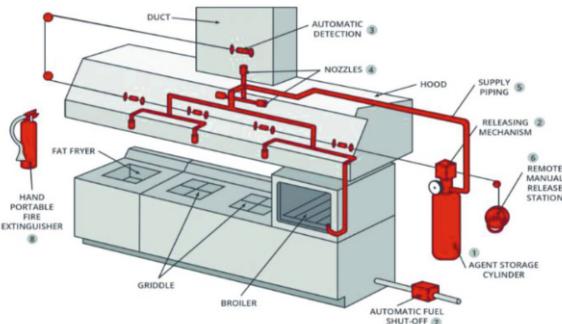


VARIANT-5 : MANUAL FIRST RESPONDER



VARIANT-6 : FIXED SYSTEM





Kitchen - Wet Chemical Based:

When a fire occurs, the point on the pressurized FDT nearest the heat source will burst at 175 deg C. The sudden tube depressurization actuates the special pressure differential valve and instantly floods the cooking area with Class F extinguishing agent. The fire is quickly suppressed just moments after it began...

NOVEC -1230 /FK 5-1-12):

When the automatic detection system is triggered by the heat of the flames, the Novec 1230 fire protection fluid (also known as FK 5-1-12) in the fire suppression system is designed to quickly discharge and reach the right amount needed to put out the fire within 10 seconds.



FM -200:

FM-200™, also commonly known as HFC-227ea, is a clean agent fire suppressant for Class A, B, and C fires and meets NFPA Standard 2001 Clean Agent Fire Extinguishing Systems. Clean agents are fast and effective in suppressing fires, are safe in occupied spaces, and do not leave a residue.

Automatic Fire Suppression System for Vehicle:

Yes, it's quite possible that vehicle fires can occur at any time, even when the vehicle is not in use. In this case, the vehicle fire suppression system detects a fire automatically and suppresses it in minutes. This early detection is vital not only for the safety of the driver but also for the longevity of your business and the protection of other vehicles. MLC fire suppression systems are designed to warn the operator, and at the same time, suppress the fire, protecting both vehicles and drivers. The automatic fire suppression systems suppress the fire in its earliest stages before it becomes fully spread into highly combustible areas, and for this reason, the damage is limited, and equipment downtime is held to a minimum.



PPE's Supply related to any Industry.

MLConsultancy PPE Suppliers:-

MLC is the association for safety equipment and technologies – equipment and systems that enable people to work in hazardous environments. MLC has set the standard for personal protective technologies, supporting the interests of its member companies who are united in the goal of protecting the health and safety of people worldwide.

MLC is a recognized leader in the development of IS accredited safety equipment standards, in India. It works with government agencies to consult with policymakers whose decisions affect the industry. It is a forum for information sharing and industry action, providing market insight and advocating for the use of safety equipment to keep workers safe.

MLC PPE Suppliers Mission:

To be the catalyst that ensures safety products are better, conforming, understandable, and used.

As an MLC member you:

- Have a seat at the table and a voice when standards are being set.
 - Have access to world-class training and education that differentiates you from your competitors helping increase your sales and market share.
 - Have an advocate in the halls of Government and places of power that impact your business
- Have a platform to engage and collaborate and network with your peers in a spirit of learning, understanding and best practices.
- When it comes to safety products, MLC is where it all happens.

Types of PPE



Head Protection



Head Protection



Eye Protection



Ear Protection



Hand Protection



Fall Protection



Foot Protection



Body Protection



OUR BRANDS



MLC QEHS Training Including Training Modules (Online & Classroom & Corporate).

Types of Fire Alarm System: -

MLC aim is to offer cutting-edge training and research services to public and private organizations in India. MLC EHS Training's delivers professional training and research programs that are varied in all topics including: - Quality, Environment, Health, Fire & Safety.

We deliver agency-specific training, career development programs, and customized consulting solutions to enrich learning and optimize individual, group and organizational performance.

Note: For the Topics you can view our website.

Key Goals of MLC QEHS Training's:

1. Keep student more interested and interactive
2. Make learning enthusiastic and natural.
3. See to be more cooperative with instructor and student
4. Making concepts applicable in to real time
5. Flexible time slots for students
6. Attend through the Phone or PC



Supporting in conducting QEHS Studies. Safety Studies

Fire Safety

- Fire & Gas Detection Mapping Study
- Design Adequacy of Fire Protection System
- Business Process Re-Engineering
- Fire Load Calculations
- Fire Risk Assessment /Fire Safety Audit

- Arc Flash Study
- Lightning Risk Assessment and Design of Lightning Protection System
- Hazardous Area Classification (HAC) – ATEX Study
- Thermography
- Electrical Safety Audit
- E HAZOP
- Inspection of Flameproof Electrical Equipment's
- Static Electricity Study
- Energy Conservation Audit
- Electrical Thermography
- Mechanical Thermography
- Building Thermography
- Thermovision scanning in Cold Storage, Pharmaceutics
- Medical Thermography

Civil Safety

- Building Structural Stability Study
- Building Risk Assessment – using Non-Destructive Testing
- PHSER Study
- Project Risk Assessment
- Construction Site Safety Audit

ELECTRICAL SAFETY

- Thermovision Scanning in Transmission lines
- Thermovision Scanning in Cement Boilers, re nery
- Thermography in Paper, Pulp, Printing, Packing
- Thermography in Hotel, food, beverage, Polymer, ber, Glass, Milk dairy, Textile
- Power Quality services and Harmonic study
- Power Quality Analysis Audit Services
- Harmonic study
- Energy Audit
- Power Audit
- Power Factor Audit
- Transients Audit
- Load Flow Analysis
- Flicker Study
- UPS &Generator Study
- Earthing Audit and Insulation Resistance Measurement

FIRE SAFETY

- Dispersion Modeling (Flare, SRV, Dump tanks, Scrubbing Vent Hazards)
- Minimum Ignition Energy Study
- Minimum Ignition Temperature Study
- Bulk Chemical Storage Risk Assessment

- Chemical Compatibility Study
- Respiratory Fit Testing
- Personal Exposure Study/Workplace Monitoring Study
- VOC Study/Chemical Exposure Monitoring Study (IDLH, STEL, TLV)
- Dust Explosion Study

FIRE SAFETY

- PSM Gap Analysis
- Process Safety Management (PSM) Implementation
- Quantitative Risk Assessment (QRA)
- Safety Integrity Level (SIL) Study/LOPA/Functional Safety
- Hazard Identification and Risk Assessment (HIRA) /HARA /HAZID Study
- Hazard & Operability Study (HAZOP)
- Pre-Startup Review
- Business Process Reengineering
- Business Continuity Plan
- Process Hazard Analysis (PHA Study)
- Job Safety Analysis

OTHERS

- Human Factor Engineering and Ergonomic Studies
- Emergency Response Disaster Management Plan (ERDMP)
- Statutory Safety Audit/Comprehensive Safety Audit
- Preparation or Vetting of On-Site Emergency Plan
- Preparation or Vetting of Off-Site Emergency Plan
- Incident Investigation
- Pre-Occupancy Audit
- Behavior Based Safety /Safety Culture Survey
- Industrial Hygiene Monitoring Study
- Security Vulnerability Assessment (Security Audit)
- Machinery Risk Assessment
- Logistics Risk Assessment (inside or outside the plant truck movement)
- Marine Loss Minimization Study
- COPE and Probable Maximum Loss Study (PML) Study
- Inspection behalf of insurance & Brokerage
- rms (for under writing or value addition or safety improvement) Training

POWER SYSTEM STUDIES

Power System Study and Analysis

- Power system network modeling
- Load Flow Analysis
- Short Circuit Analysis
- Relay Coordination Analysis
- Arc Flash Analysis
- Power factor Improvement Analysis
- Unit Protection Review
- Reactive Power Compensation
- Cable Ampacity
- Transient Stability Analysis
- Motor Starting Analysis
- Harmonic Analysis

Technical Audit

- Protection Audits
- Electrical Safety Audit
- Arc Flash Audit
- Earthing Assessment Audit
- Power Quality Audit /Harmonic measurements
- Root Cause Analysis Audit
- Thermography
- Lighting Assessment Audit

Design Engineering

- Conceptual Engineering
- Basic Engineering
- Detail Engineering
- Preparation of Tender Specifications Documents
- Preparation of Design Basis
- Preparation of Load List
- Equipment Sizing Calculations viz., Transformer, Cable, Switchgear, UPS, Earthing and Lightning
- Preparation of Electrical Layouts
- Technical Bid Evaluation
- Vendor Drawing Review

Testing and Commissioning

- Testing of Protective Relay
- Commissioning support for Start up
- Routine Testing of Transformers
- Programming and Configuration of Numerical Relays
- Unit Protection scheme testing and Implementation
- Primary Injection Testing for CT
- Circuit Breaker Testing and Servicing
- Testing of Earth pits
- Complete Health Check-up and Maintenance of Indoor & Outdoor Switchgear Panels
- Auto Manual Changeover scheme testing

Retrofitting Solutions

- Retrofit solutions of electromechanically relays to numerical relays
- Selection of relay make, type, details model as per application
- Revamping of Switchyard Control Panel, Generator Relay Panels, Switchgears
- Retrofit solutions for Circuit Breakers
- Retrofit solutions for Busbar

Industrial Hygiene Services

Industrial Hygiene Program:

Development and implementation of a comprehensive program that ensures routine health hazard evaluation and control in your facility.

Industrial Hygiene Risk Assessment:

Identification and assessment of health risks and control priorities. The end result is an inventory of health hazards in the workplace and their subsequent controls.

Noise Monitoring and Control:

Evaluation of personal noise exposure and identification of areas of excessive noise in a facility. Data is used to develop or improve hearing conservation programs.

Walkthrough Surveys

Walkthrough surveys help to identify unknown health hazards, initiating the process of evaluation and control.

Ventilation Assessment

An assessment helps to ensure that the important engineering control is performing as expected to protect the health of employees.

Indoor Air Quality Testing

Identification and resolution of indoor air quality issues.

Ergonomics Assessment

Evaluation of workstations or tasks to identify ergonomic risks and provides solutions to reduce or control them.

Asbestos Survey and Program

A survey identifies potential asbestos containing materials (ACM) in a facility. Consequent program development assists in managing ACM and personnel exposure.

Exposure Monitoring and Assessment

Evaluate the extent of employee exposure to harmful substances such as benzene, toluene, ethyl benzene, xylene, crystalline silica, formaldehyde, welding fume, diesel exhaust, dusts, volatile organic compounds. This ensures compliance to regulatory occupational exposure limits (OEL) and allows employers to assess their existing controls and work practices.

Industrial Hygiene & Safety Instruments

Air sampling pump & Calibrator



LUX Meter



PPE'S Fit Testing Kit



WBGT Meter



Combustible Gas Detector



Noise Dosimeter



Vibration Meter



Chair Less Chair



Weather Station



Air Particle Counter With Multiple Gas Detector



Sound Level Meter & Calibrator



Anemometer



4 in 1 Environmental Meter



Carbon Monoxide Meter



Multiple Gas Analyzer with Temperature & Humidity



Industrial Hygiene Services

MLC Pharma Clean Room Equipment's is one of the leading Manufacturers & Exporters of various kinds of Pharmaceutical Machineries. We are specialized in Containment Equipment (Isolator, Glove box, LAF, Pass Box). We have been in the manufacture industry for the last 3 years and are pioneers for Containment equipment in India. Our company is ISO 9001:2000 certified. Recently, we have started manufacturing Injectable & Packaging Machinery like Pre- II Syringe machine, Plunger rod inserting, back stop ring and labeling machine, Filling, Sealing, Inspection, Labeling, and Conveyors.

We are in the business of manufacture industry since last 3 years. We are pioneer for Containment equipment's in India.



Positive Isolator



Negative Isolator



Dust Collector



Laminar Air Flow



Flexible Isolators



Vibro Sifter Machine



Multi Mill Machine



Vacuum Tray Dryer



Pressure Vessels

Conveyor



Packing Conveyor



Other Clean Room Accessories



MLC Esteemed Clients with Associated Partners



HETERO

Piramal



BHUGAN
LIFE SCIENCE PVT. LTD.

Dr. Reddy's

Biophore

Sai
Make it

ChemGenix

Amneal
PHARMACEUTICALS
Generic's New Generation

Syngene

CELONLABS
Creating Value in Lifecare

MSN

Shilpa

Innovating for
affordable healthcare

GLS
PHARMA

SP ACCURE LABS
Touching Lives Globally®

Supporting in investigations related to any type of Incidents.

Why Conduct Incident Investigations? Here are some other reasons why an incident investigation might benefit your business and protect you from risks in the future:

- It helps you find the root cause of incidents, which helps you create an action plan to prevent the same and similar incidents from happening again.
- It helps you find gaps in any measures you have already taken to control risks to your business.
- It would also bring out any flaws in your health and safety compliance that you may have not known about, enabling you to fix them.
- In case of workers' compensation or any other insurance claim, insurers might require you to present the findings of your investigation.
- In case of any legal liabilities or claims, an incident investigation would demonstrate that you have been proactive in exploring why an incident may have occurred and in taking steps to prevent future incidents. This shows a positive attitude towards occupational safety and health, which would benefit you in any court hearings.

Apart from these important reasons, conducting a thorough investigation into incidents and even near misses also shows your employees and clients that you're committed to ensuring health and safety in your worksite, increasing employee morale.

6 Steps of an Incident Investigation Process

An effective incident investigation involves six main steps, which are described in detail below:

1. Secure the Scene
2. Plan the Investigation
3. Collect All Relevant Information
4. Analyze Collected Data to Find the Root Cause
5. Implement Corrective Actions
6. Document and Share the Results

Note: For the detailed Investigation process of MLC you can visit our Website

