We Want You Safe
Overview

Synergy Global Solutions is a training and consultancy company with prime focus on promoting Health, Safety, Environmental, Energy and Fire solutions. Our approach is primarily focuses on meeting legislative requirements and relevant standards; at the same time, empowering organization with the knowledge in understanding to manage Health, Safety and Environment (HSE) and Fire.

We are in Pan India locations, and works with various types of industries serving in the sectors of Manufacturing, Energy, Chemicals, Healthcare, Medicals, Service Industry, Container Terminals, Architectural, Engineering and Constructions.

Our wide range of capabilities, disciplines and services are fundamentally based on qualitative and quantitative approach and pro-actively delivering advice and solutions. We do this by giving our people the responsibility and opportunity to make unique difference in the industry.

Vision
Empowering Health, Safety and Environmental (HSE) Culture for Excellence!

Mission
To develop Leaders and Talents to create positive HSE influence in Organizations

Core Values
Resourceful
Passionate
Stimulating
Phase of a Healthy and Safe Organization

Implementation of measure, alertness, and conforming to Health, Safety, and Environmental is important for each process, activities and services in accordance with existing, a culture of safety and health should be self-rooted at all levels in the workplace.

We offer services in the area of:

- Industrial Safety Trainings
- Occupational Safety and Health Audit
- Fire Safety and Audit
- First Aid Training and Health Study
- Risk Assessment, HIRAC, HAZOP, FMEA
- Emergency Planning and Evacuation
- Environmental Audit and Management Plan
- Energy Audit
- Process Safety Management (PSM)
- Policy and Legislative Compliance Consultancy
- Safety Attitude and Behaviour
- Safety System Design, Signages, Safety Videos and Animations
Our Focus Area

- Fundamentally building awareness in understanding Health, Safety, and Environment (HSE).
- Industry-based accreditation that help organization to support a safe workplace environment.
- Analyzing company’s HSE performance against organizational vision business outcomes.
- Improving productivity and quality by identifying challenges; underpinning specific instructive decision.

How Can We Assist Your Business?

Depending on the unique requirements of our clients, we will dedicate our focus in understanding our client’s business, analyze its situation and challenges, research on the industry standards and benchmark, before we propose ‘The Route of Success’. The solution may involve a spectrum of interventions:

1. Facilitation of Establishing OH&S Management System
2. Surveys and Focus Group Interviews
3. Trainings and Workshops
4. Develop or modify HSE programs to establish value cost effective for the organization

Other Consulting Service: Material Safety Data Sheet (MSDS) Translation

Hazardous Chemical exposed risk to the handler. Do you want to train your employees to recognize various hazards better? Speed up the adoption of specific information on chemicals, chemical compounds, and chemical mixtures? How to handle them? We develop custom translation or enhance your MSDS existing training program that helps you achieve your specific learning and business objectives.
Occupational Health, Safety and Environment is a major consideration for every successful business – the welfare and safety of your staff must be of paramount importance because, as the adage states, people are your most important asset.

You will undoubtedly already have health and safety policies and procedures in place. But can you be sure that you are adhering to best practice? Are you complying with local, national and even international regulations? And if you think you are, can you prove it?

At Synergy Global Solutions, we have solutions and answers. We can advise and train on a comprehensive range of Fire, Health, Safety, Energy and Environment issues. As the world's leading inspection, certification, testing and verification company, we are fully familiar with local legislation – and international standards. We can help you with occupational or industrial hygiene, your working environment regarding air quality, dust, noise and vibration, technical due diligence and hazardous substances. And we are experts at environmental audits & economic & social sustainability.

**Be our Safety Partner:**
An effective workplace safety and health management system at your worksite(s) will enable you to

- Recognize and remove hazards from your worksite.
- Protect your workers from injury and illness.
- Prevent loss of life at your worksite.
- Cultivate informed and alert employees who take responsibility for their own and their coworkers’ safety
- Improve employee morale.
- Increase productivity rates and assure product quality improving bottom-line.
- Comply with Legal and state safety and health requirements.
- Reducing lost workdays, and – Limiting equipment damage and product losses.
- Enhanced Brand Value and Customer Belief

**Together, we can make a safe working world.**
We are a privilege member of British Safety Council, National Safety Council of India, we are enriching by our robust technology, knowledge-based approach and dedication to quality and safety allow us to provide innovative solutions to every part of the Industry.

LIST OF SERVICES
AUDIT, CONSULTANCY, STUDY & INVESTIGATION

- Fire Hydrant System Design
- Fire Load Assessment
- Fire Risk Calculation
- HAZAN - Hazard Analysis
- HAZID - Hazard Identification
- HAZMAT - Hazardous Material Handling and Transportation
- HAZOP - Hazard and Operability Study
- HAZWOPER - Hazardous Waste Operations Audit
- HIRA - Hazard Identification and Risk Analysis
- HAC-Hazard Area Classification
- Process Safety Management (PSM)
- Quantitative Risk Assessment (QRA)
- Accident and Incident Investigations
- IS 14489 Third Party Safety Audit
- Electrical Safety Audit
- Machine Safety Audit
- Chemical Handling and Storage Audit
- Coal Handling and Storage Audit
- Conveyor Safety Audit
- Root Cause Analysis.
- Inventory Audit
- KAIZEN
- Lean Manufacturing
- 5S Compliance Audit
- 7S 360
- Radiation Safety
- Behaviour Safety Audit
- Safety Culture (BBS Implementation)
- Risk Analysis and FMEA
- OHSAS 18001: 2007 Implementation
- Disaster Management Plan
- On-Site/Off-site Emergency Plan
- Emergency Preparedness
- Mock Drills
- Escape and Evacuation Assessments
- Ergonomics Audit
- Energy Audit (As per Bureau of Energy Efficiency)
- ISO 14001: 2004 (Environment Management System)
- Health and Hygiene Audit
- HVAC - Ventilation Surveys
- Illumination Survey
- Indoor Air Quality
- Noise Monitoring and Mapping
- Water Audit
- Enviro-Legal Consulting Services
- Environmental Due Diligence
- Environmental Impact Assessment (EIA)
- Environmental Management Plan (EMP)
- Workplace Monitoring (Hazard and Risk Assessment)
- Hazardous Waste Management System & Landfill
- Liaison for Environmental Approvals
Our Services

Safety Trainings

Classroom and Practical Trainings (Regional Language on Demand)

- General Safety at Workplace (Induction/Colleges)
- HSE Awareness (Induction/Colleges)
- Fire Fighting and Emergency Response
- Material Handling Safe Practices
- Personal Protective Equipment (PPE)
- Machine, Hand and Power Tool Safety
- Confined Space Safety
- Scaffolding & Working at Height
- Machine, Hand and Power Tool Safety
- Incident Reporting and Investigation
- Electrical Safety & LOTO
- Hot Work and Safety
- Work Permit System
- First Aid & CPR
- HAZOP
- Risk Assessment-HIRAC FMEA
- General Construction Safety
- Process Safety Management
- Workshop on SS Practice
- Hazard at Work Place and Safety
- Hoisting and Rigging Safe Operations
- Mobile Lifting Equipments and Safety
- Working at heights (Fall Prevention)
- Supervisor's Safety Responsibilities
- OHSAS: 18001
- Legal Compliance Acts and Regulation
- Behavioural Based Safety
- Forklift Operator Assessment
- Heavy Equipment Operator Assessment
- Material Handling Operator Assessment
- Worker Safety Assessment
- Fire Protection, Prevention and Assessment
- Welding and Laser Safety
- Safe Logistics Practices
- Chemical Hazard Awareness
- Ergonomics-Shop floor and Office
- Hazard Communication / Right-to-Know
- Machine Shop Safety
- Radiation Safety and Awareness
- PESO and SMPV Awareness and Compliance
- Respiratory Protection
- Road Safety and Safe Driving in Premises
- Stress Management
- Safe Handling and Storage of Explosive Chemicals
- Asbestos Awareness
- Environment Awareness
- Environmental Health & Safety Risk Management
- Hazardous Waste Management

Posters, Signages, Animation and Videos

1. Animation and Videos
   - Safety Induction Videos and Animation
   - Equipment's Safe Operating Procedures
   - Animated E-Learning Training Programs
   - Recreating Accident / Incident using Animation
   - Recreating Near-miss scenarios using Animation
   - Life Saving Videos
2. Safety Signages and Posters
   - Customized Design of Signages & Poster as per Industry.
Synergy Global Solutions is your single source provider for all your Fire Protection system needs. From basic design, installation and service to complex specialized systems, we have experienced professional and resources to design a working Fire Protection System for both new and existing buildings.

Each industry performs differently and needs to have Fire Protection System designed as per there operational needs. We have expertized in designing fire Protection System, critical selection of protection type, by studying internal and external factors and every minute detail to design. Our Professionals are equipped with skills and qualification to understand your requirement and design and select effective Fire Protection System for you.

Fire Protection System relies upon a Group of subsystems, if one of subsystem is detached it will affect the Fire Protection System and occupants within the building will face risk of outbreak of fire.

Our Fire Protection System solutions comprise of below subsystems
- Occupants Training.
- Fire Audit and Risk Assessment.
- Fire Load and Ignition Potential.
- Fire Detection and Alarm Warning System.
- Fire Fighting Systems.
- Smoke and Ventilation Management System.

**Fire Protection Training Program** - We provide training program for Fire Protection, Prevention and Fighting, our specially designed training program on Fire enable the occupants to be prepared and alert in Fire Situation. We train Occupants by conducting Fire Drills, Safe Work Practices, Operation of Fire-Fighting Equipments, and Fire Evacuation.

**Fire Audit and Risk Assessment** - Our Auditors are certified and compliant to conduct systematic evaluation at your premises and identify potential Fire Risk and Hazards, Fire Fighting Systems, proper escape route involving personals, premises services and operations and provide due recommendations to prevent and control Fire incidents.

**Fire Load and Ignition Potential** - Fire protection system is centric on Fire Load calculation, Fire Loading of a building is a way of establishing the potential severity in case of any fire in KJ/m². It is calculated from calorific value of material present in the building and area. We are precise in carrying out the Fire Load calculation and ignition potential of the premises to design and select the suitable Fire Protection System and evacuation plan.
**Fire Protection System**

**Fire Fighting Systems** – Fire Fighting system is involved in extinguishing the Fire by either electronic operated, trained occupants, or by Fire Fighting Team by means of Fire Extinguisher, Fire Hydrant System, Fire Alarm and Sprinkler, Water Spray System, Foam Based, or Inert Gas. Synergy Global Solutions studies your workplace and design your premises with ideal Fire Fighting system for you to be ready and safe in case of any Fire.

**Fire Detection and Alarm Warning System** – We provide services to install, commission and AMC for the Fire Detection and Alarm system. Fire alarm and Detection system monitors and alerts the occupants and Fire Fighting Personals to move into action on fire or smoke Detection, on timely detection Occupants may be able to extinguish the small Fire and get time to evacuate from building.

**Fire Hydrant System** - We offer Turnkey solutions for Fire Hydrant System. Fire Hydrant system consists of water reservoir, piping rings, hydrant valves, Hoses and Pipes with nozzles, Hydrant pump set to provide water at a high pressure to each hydrant outlet to suppress fire even at Heights, as Hydrants have a long range and high-water pressure they can attack fire from different angles. Fire Hydrant Systems requires low maintenance and have long life. The system can be made to operate in auto mode also.

**Fire Sprinkler System** - We help you install, commission and provide AMC for Automatic sprinkler systems which are one of the most reliable methods available for controlling fire. When the fire heats up the sprinkler head, it opens at a pre-set temperature, thus allowing pressurized water to be sprayed both down onto the fire and up to cool the hot smoky layer. This spray also wets combustible material near the fire, making it difficult to ignite, thereby slowing down or preventing fire spread and growth. Sprinkler systems are usually installed in high or large buildings and high fire hazard occupancies.

**Water Spray System** - Water spray system can be provided as exposure protection. That means if any plant is under fire the plants nearby shall be kept cool with the water spray system, while plant under fire shall be applied foam. Medium Velocity water spray system is best suitable for exposure protection of Oil tanks, process plants, Conveyors, Cable Gallery, and Transformer protection.

**Foam System** - We recommend of installing Foam System where hydrocarbons are used and stored. In case of fire on Hydrocarbon if the water is sprayed, due to the light weight of the hydrocarbon it will float on the water and reignite them to fire and due to the speed of water the fire will travel from one place to another place. Foam Concentrate makes fine foams with excellent stability and thermal resistance, and freely flows and develops on liquid surface such as petroleum to promptly extinguish a fire. It also sticks firm to a solid surface, level or vertical, to prevent the fire from spreading.

**Gas Suppression System** – The "Inert Gas" used in gas suppression systems, is nonconductive, colorless, odorless and flavorless, non-corrosive and may be used at normal temperature. Gas Suppression system is appropriate for the protection of all the electric and electronic materials. The design of the system protects against accidental actuation due to any small leak. All gaseous components are stored in high-pressure cylinders in the form of compressed gas, and designed as per capacity and use. In case of fire Inert gas is released reducing oxygen in the room and extinguishing Fire without harming occupants.

**Smoke Management and Ventilation System** - Most fire deaths are caused by inhalation of smoke, not by direct contact with flame or exposure to heat. Smoke management systems are incorporated to keep escape routes free of smoke, heat and toxic gases long enough to allow the safe evacuation of the building occupants. Smoke control is generally achieved using ventilation, roof vents, smoke exhaust fans, air handling systems, sprinkler systems and air pressurization systems.
Safety Visual Management

Safety Banners and Posters inspire a safe working environment and successfully communicate safety in the workplace, in a big way. Communicating with eye-catching slogans, graphics, safe practices, and procedures on large banners have effective impact on working personals. In a warehouse, factory, or other industrial setting, organization is paramount to productivity and strong safety practices. Signages help create a safe, designated place for these instruments and help keep them out of the way and less likely to cause injuries and spread awareness messages.

Safety Animations and Safety Video are now widely being used in Induction and awareness programs as the effects of communicating with animations and videos are found more effective. Animations allows you to create a video that shows hazards, hidden dangers, and illustrations that would be too dangerous to film or watch in real life.

At Synergy Global Solutions we aim to provide customers with complete solutions for Safety communication and we create and design Safety Posters, Banner, Signages, Videos and Animation as per Customer profile and industry profile. Our creativity can also be customized with specific animations covering your chosen subject and showing characters wearing your company PPE, i.e. specifically colored coveralls and hardhat featuring company logos. For this process, our technical department can assist with storyline and scripting. Storyboards and example images are provided before final production and company specific training materials can be produced to accompany the animation.
SYNERGY GLOBAL SOLUTIONS is a Knowledge Company with local exposure and Global expertise & reach. The company is empaneled by internationally experienced engineers with backgrounds of reputed Manufacturing MNC’s & Industries like Maaden, Essar, Reliance, L&T, Welspun, Tata Chemicals, GSFC, GNFC, Kakrapar Atomic Power Station and many more.

**Brief Introduction of Our Empaneled Principal Advisors**

**Mr. Jagdish Hardasani**

A highly accomplished 41+ year experienced professional, Graduate in Mechanical Engineering from National Institute Technology Surat, and One Year Training Program at Bhabha Atomic Research Center- BARC. 17+ years Rich experience in Maintenance and Operations at Nuclear Power Corporation of India at Tarapaur and Kakrapar, 24+ years Essar Steel India Ltd, with Key responsibilities as Head - Safety (Project 10 Million Tons) and General Manager Operations. Implementation of OHSAS 18001 and improving HSE & F index.

He is a technologist and a specialist of Fire & Safety. His research, teaching and consulting activities are focused on Risk and Safety Assessment, Environmental Pollutions and Fire Safety Engineering. He is actively involved in disseminating knowledge in safety awareness especially on Fire Safety, and Occupational Safety and Health.

He is IRCA-UK certified Lead Auditor for OHSAS 18001 and ISO 14001, He has audited more than 200 manufacturing plants and trained more than 7000 personals of various industries all over India with over 10 years of HAZOP, Accident Investigation, Safety and Energy Audits and trainings experience, improving the overall HSE index for the Industries across all sectors. He is known for his Fire system design for existing and new buildings, and implementing Fire Fighting and detection Solutions like Fire Alarm system, Fire Sprinklers, Fire Hydrants.

**Mr. Himadri Chattopadhyay**

He is a Chemical Graduate from Calcutta university, and a certified Deem Auditor with rich experience of 37+ years, he has participated in identifying Major Accidental Hazards (MAH) Installations over 5 states under ILO project “Establishment and Initial Operation of Major Accident Hazards Control System in India” and associated with the team for preparation of Inspection Manual for Factory Inspectors and Dock Safety Inspectors. He has worked as a DOCK Safety Inspector for enforcement of Safety, Health and Welfare Act and Regulation 1990 and Environment Protection Act 1986 and Rules in 3 Major Ports of Kolkata, Paradip, and Mumbai. He is also associated as a Faculty for Diploma in Industrial Safety courses and the Paper-in-charge of Chemical Safety & Safety Appraisal and Inspection Techniques in Regional Labour Institute, Kolkata and Kanpur.

Mr. Himadri is a retired Director-DGFASLI and Ex-In charge of Major Hazard and Chemical Safety Division, CLI Mumbai. He is retired Director in Charge in Regional Labour Institute Kanpur. He has conducted Safety Audits and Risk Assessment across Industry sector and locations.
Mr. S.S Mankar

He is an experienced HSE manager with a strong background in Fire and Safety. He has more than 27+ years of quality experience and proven expertise both in the fields of industry and academia. He is an innovative professional with strong ability to identify, analyze, and solve problems to coordinate internal teams and to increase customer satisfaction through expertise in program development and management; creating training strategy and consulting.

Mr. Mankar is an approved Certified Safety Auditor by DISH Maharashtra, his rich experience and vision in HSE management has encouraged him to publish journals of ‘Safety Legislation in Chemical Handling Industries’ & ‘Citizen Safety’.

Mr. C. Doshi

He is a technologist and a specialist in trainings and Consultancy. He is a Chemical graduate and Advance Diploma in Industrial Safety enriched with 40+ years of Industrial experience in HSE across different sector of Industries in India and abroad. He is actively involved in disseminating knowledge in safety awareness especially on Fire Safety, and Occupational Safety and Health. He has attended and associated with training Programs across the Globe.

Mr. Doshi is well commended for his training program development and communication with participants. He is expert in creating training strategy and customizing training programs as per requirement. He is executive member of Gujarat Safety Council and engaged as a faculty in providing Safety Courses to various educational institutes in Gujarat.

Mr. Kirti Panchal

A result driven professional with 34+ year experience and excellent track record in HSE Management System, He is Qualified with Diploma in Industrial Safety and Electrical Engineering, and have rich experience in working with diversified Manufacturing Industries such as Reliance, L&T, Essar Steel, Welspun, Simplex, He has served as Senior GM (HSE) Reliance Industries, Jamnagar.

He is adroit in managing, directing, planning and Coordinating HSE management system, He is well versed with Indian HSE rules Factories Act, Environment Protection Act, EIA Notification, Petroleum Rules & all other applicable legislation of Safety & Environment and aware with functioning and procedure of legal departments, with experience in Liaisoning with MOIF, Pollution Boards, Environment Clearances and Factory Inspectors.

Dr. Hemang Vyas

He is a skilled D.H.M.S., and Certified Instructor for BLS (Basic Life Support) and ACLS (Advanced Cardiac Life Support) courses from American Heart Association, He is also qualified ITLS (International Trauma Life Support from Symbiosis Institute of Health Science, Mumbai. FCCS (Fundamental Critical Care Support System) and ISCCM (Indian Society of Critical Care Medicine) Delhi. He has worked with Shri Mahavir Hospital, Nirmal Hospital, Care Heart Hospital as Medical Officer.
Achievements

Major Accomplishments by Our Empaneled Mentors

- **Implementation of OHSAS 18001 and HAZOP study**, across 53 Major Dairies in Gujarat, (Mother Dairy, Madhur, Vasudhara, Sabarkantha, DudhDhaara, Uttam etc.
- **HPCL-Hazira** Developed Preparation and Analysis of Onsite Emergency Plan.
- **GACL**- Developed Preparation and Analysis of -Disaster Management Adequacy.
- **RIL Jamnagar** – Conducted Safety Audit for DTA and SEZ units.
- **L&T Hazira** – Conducted General awareness and Safety training on Material Handling.
- **TELANGANA POWER PROJECT** – Risk Assessment Study for 5x800 MW
- **Cadilla Pharmaceuticals** - Conducted Safety Audit.
- **JSW Bellary** – HAZOP Study at ARP Plant.
- **KLJ Plasticizer Silvassa** – Fire Training, Mock Drill Training Emergency Evacuation, Fire and Safety Audit
- **Laxmipati Silk Mills** – Safety Advisor, Implementation of OHSAS 18001.
- **GE INDIA** - Conducted General awareness and Safety training on Material Handling and EOT Cranes.
- **International Tractors Ltd. Punjab** - Designed, developed and delivered Fire Risk Assessment study, Emergency Response and Preparedness Plan
- **Gujarat Gas Ltd**- Conducted Fire Investigation Study and provided solutions.
- **Ambuja Cement Rajasthan**- Conducted HAZOP and HIRAC study for new expansion project.
- **ESSAR STEEL LTD** –Risk and hazard evaluation for their upcoming project for submitting to MOEF CPCB
- **LANXESS**- Conducted Training for 5S, and Work Place SAFETY ANALYSIS
- **IOC HAZIRA** – Conducted Safety Audit.
- **J.K. Paper Mills** - Conducted Safety Audit
- **Huebach Color Ankleswar**- Training on onsite emergency plan
- **Adani Ports** – Training on legal aspect and accident prevention.
- **Gadre marine export Veraval** – Conducted Safety audit and Designed and Developed Onsite emergency plan
- **Welspun Dahej**- Material handling training and Safety Audit
- **L&T HAZIRA**- Conducted and Designed Induction training program.
- And Many More…………………….
Contact Us

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