



AST
spark
BUILD SAFE & SECURE FUTURE

2025

Our Service our growth

FIRE PROTECTION
CONSULTANCY SERVICE



PROCESS SAFETY
EXCELLENCE SERVICE



SAFETY MANAGEMENT
EXCELLENCE SERVICE



ELECTRICAL SAFETY
EXCELLENCE SERVICE



SUSTAINABLE ENVIRONMENTAL
EXCELLENCE SERVICE



CONSTRUCTION SAFETY
EXCELLENCE SERVICE



TRAINING
EXCELLENCE SERVICE



About AST Spark LLP

AST Spark LLP is a premier consultancy firm with a legacy of over two decades of individual expertise among its team members. Each professional at AST Spark LLP brings a wealth of specialized knowledge and hands-on experience in safety, sustainability, and operational excellence. This depth of experience allows us to provide innovative, tailored solutions to help organizations across diverse industries achieve their goals while ensuring the safety and well-being of employees and the environment.

What Sets Us Apart?

Seasoned Professionals: Every expert on our team has over two decades of direct experience, enabling us to provide cutting-edge insights and solutions.

Tailored Solutions: We craft customized strategies that align with our clients' specific operational needs and objectives.

Holistic Approach: Our expertise covers all aspects of safety, compliance, and sustainability for seamless integration into your operations.

Proven Results: We have a track record of improving workplace safety, ensuring compliance, and promoting sustainable practices for our clients.

Our Mission, Our Vision and Our Values

Our Mission

We collaborate with our clients to safeguard lives and preserve property.

Our Vision

Our goal is to establish an independent, thriving firm that stands the test of time. We focus on sustainable growth and diversification through both organic development and strategic acquisitions, creating meaningful opportunities for personal and professional advancement for our team members. Our approach to growth is deliberate, strategic, and consistently aligned with profitability and long-term success.

Our Values

Integrity and Respect

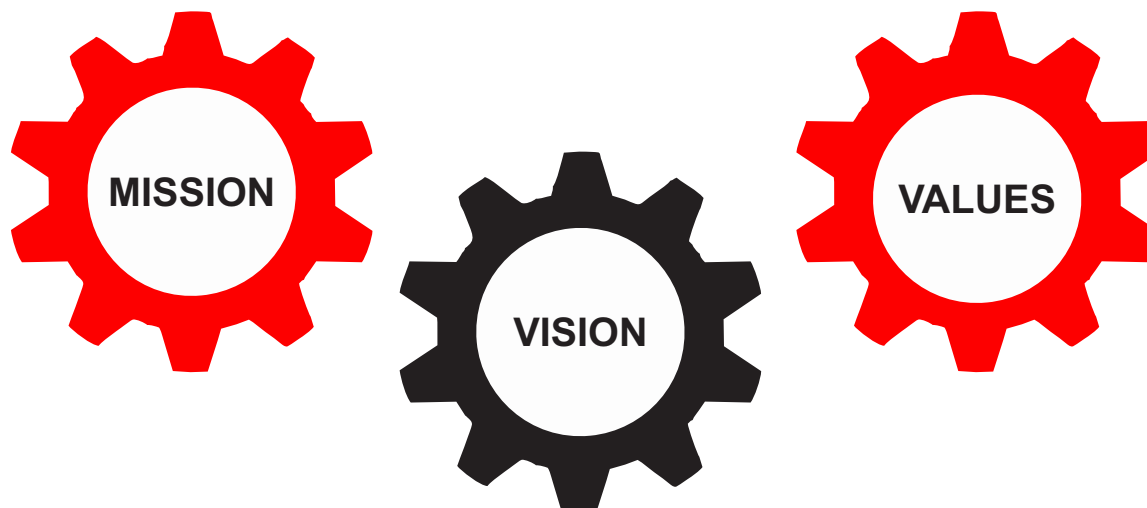
Together We Achieve Excellence

Our Customers' Success Drives Us

We Pursue Excellence

Innovation Powers Our Progress

We Create Our Own Success



Fire Protection Consultancy Excellence Service

AST Spark LLP offers comprehensive Fire Protection Consultancy Services, helping organizations manage fire risks and ensure compliance with safety regulations. Our team of experts delivers tailored solutions to safeguard your facilities, assets, and employees against fire hazards, while ensuring full regulatory compliance at local, national, and international levels. Our services are designed to provide end-to-end support, from system design to training, compliance audits, and beyond.

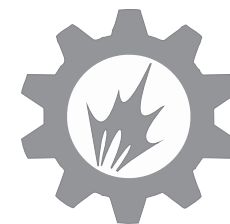
- 🔥 Design of Fire Protection Systems
- 🔥 Fire Hydrant System Design
- 🔥 Fire Sprinkler System Design
- 🔥 Medium Velocity Water Spray System Design
- 🔥 High Velocity Water Spray System Design
- 🔥 Water Curtain System Design
- 🔥 Foam Protection System Design
- 🔥 Portable Fire Extinguisher System Design
- 🔥 Gas Suppression System Design
- 🔥 Fire Water Mist System Design
- 🔥 Fire Detection and Alarm System Design
- 🔥 Hydraulic Calculation of Fire Water Network
- 🔥 Fire Protection System Project Review
- 🔥 Fire Protection System Adequacy Assessment
- 🔥 Fire Protection Engineering Inspections & Surveys
- 🔥 Fire Protection Regulatory Compliance Study
- 🔥 Fire Protection Impairment Service
- 🔥 Fire Protection System Manpower Deployment
- 🔥 Preparation of Design Philosophy and Bill of Quantities with Technical Data Sheets etc...



Process Safety Excellence Service

***AST Spark LLP** provides Process Safety Excellence services to help organizations effectively manage risks associated with hazardous processes. Our goal is to minimize the chances of process-related incidents, ensure compliance with industry safety standards, and foster a culture of continuous improvement in safety practices. Our services are tailored to meet the unique needs of each organization, combining risk assessments, safety management frameworks, system design improvements, safety audits, and training to create safer and more reliable operations*

- | | |
|--|---|
| ✦ Process Safety Management (PSM) | ✦ Reliability, Availability & Maintainability (RAM) |
| ✦ Process Hazard Analysis (PHA) | ✦ Bow-Tie with Barrier Management |
| ✦ Hazard & Operability Study (HAZOP) | ✦ What-if Analysis |
| ✦ Quantitative Risk Assessments (QRA) | ✦ Fault Tree Analysis Study |
| ✦ Hazard Identification Studies (HAZID) | ✦ Project, Health, Safety & Environment Reviews (PHSER) |
| ✦ Hazard Identification and Risk Assessment (HIRA) | ✦ PSM System Implementation Handholding & Support |
| ✦ Fire & Explosion Risk Assessment Study (FERA) | ✦ Dust Hazard Analysis (DHA) |
| ✦ Failure Modes and Effects Analysis (FMEA) | ✦ Job Safety Analysis (JSA) |
| ✦ Layers of Protection Analysis (LOPA) | ✦ Performance Standards Verification etc... |
| ✦ Safety Integrity Level (SIL) Assessment: | |



Safety Management Excellence Service

AST Spark LLP offers a comprehensive suite of Safety Management Studies to help organizations improve safety performance, ensure compliance with regulations, and create a sustainable safety culture. Our services are designed to assess, evaluate, and optimize safety practices across operations, while identifying potential risks and developing actionable strategies for mitigating them. We provide detailed analysis, audits, and studies to drive continuous improvement and ensure that organizations meet the highest standards of safety and operational efficiency.

- ✦ Comprehensive Safety Study
- ✦ Fire Load Calculation Study
- ✦ Fire Risk Assessment
- ✦ Safety and Compliance Assessment
- ✦ Occupational Health & Safety Studies
- ✦ EHS Compliance Audit
- ✦ Safety Cultural Evaluation
- ✦ Property Risk Evaluation
- ✦ Behavior-Based Safety (BBS)
- ✦ Fire Loss Study
- ✦ Pre-Occupancy Audit
- ✦ Pre-Commissioning Audit
- ✦ Safety System Gap Identification and Bench marking
- ✦ Safety Shutdown Study
- ✦ Warehouse Safety Study
- ✦ Disaster and Emergency Preparedness Studies
- ✦ Business Continuity Planning (BCP) Studies
- ✦ Human Factors and Ergonomics Studies
- ✦ Industrial Hygiene Studies
- ✦ Workplace Safety Culture Studies etc...



Sustainable Environmental Excellence Service

AST Spark LLP is committed to advancing environmental sustainability and ensuring a balanced approach to economic growth, environmental protection, and social well-being. Our Sustainable Environmental Services are designed to help organizations meet regulatory requirements, reduce their ecological footprint, and implement practices that contribute to the long-term health of the planet. We provide a range of services that focus on environmental protection, resource management, and sustainability initiatives that drive positive change in both the private and public sectors.

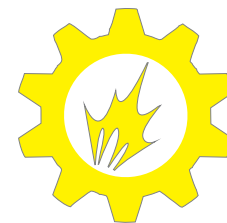
- ✦ Environmental Impact Assessment (EIA)
- ✦ Social Impact Assessment (SIA)
- ✦ Environmental Due Diligence
- ✦ Site Feasibility and Scoping
- ✦ Wastewater Consulting
- ✦ Surface Water Quality Modeling
- ✦ Water Audits and Management
- ✦ Flood Risk Assessment
- ✦ Air-Quality Modeling & Management
- ✦ Fugitive Emissions and Odor Management
- ✦ Noise Impact Assessment & VOC Emission
- ✦ Acoustics & Noise
- ✦ Corporate Social Responsibility (CSR) Programs
- ✦ Social Impact Assessment & CSR Schemes etc...



Electrical Safety Excellence Service

AST Spark LLP is dedicated to providing *Electrical Safety Excellence* through a comprehensive suite of solutions aimed at ensuring the highest standards of electrical safety in the workplace. Our services are designed to help organizations manage electrical risks, comply with safety regulations, and foster a culture of proactive safety. By addressing both technical and behavioral aspects of electrical safety, we help businesses create safer environments for their employees and assets.

- ⚡ Electrical Hazardous Area Classification Study
- ⚡ Arc Flash and Power System Study
- ⚡ Lockout/Tagout (LOTO) Programs
- ⚡ Electrical Safety Training
- ⚡ ATEX Safety Studies
- ⚡ Explosion Protection Document Preparation
- ⚡ Static Risk Assessment
- ⚡ Electrical Safety Audits
- ⚡ Lightning Protection Risk Assessment
- ⚡ e-HAZOP (Electronic Hazard and Operability Study):
- ⚡ NFPA 70E Electrical Safety Management
- ⚡ Standard and Manual Preparation
- ⚡ Thermography Testing & Relay Testing etc...



Construction Safety Excellence

***AST Spark LLP** provides comprehensive construction safety management services to help clients uphold the highest safety standards throughout all phases of construction projects. Our goal is to ensure that safety remains a top priority on construction sites, enabling organizations to mitigate risks, comply with regulations, and protect workers from harm. With our extensive experience in the construction sector, we work closely with clients to develop customized safety solutions that drive a culture of safety and productivity, while minimizing downtime and preventing incidents.*

- 🔥 Construction Safety Management
- 🔥 Expert Manpower Safety Deployment
- 🔥 Construction Worker Safety Orientation
- 🔥 Legal Requirements in Construction Projects
- 🔥 Scaffolding Safety
- 🔥 Work at Height & Fall Protection Safety
- 🔥 Hazardous Material Handling Safety
- 🔥 Excavation & Trenching Safety
- 🔥 Hot Work Procedure
- 🔥 Slips, Trips, and Falls Safety
- 🔥 Cranes, Lifting & Rigging Safety
- 🔥 Hand & Power Tools Safety
- 🔥 Personal Protective Equipment (PPE) Management
- 🔥 Construction Equipment Safety
- 🔥 Building and Structural Safety Studies etc...



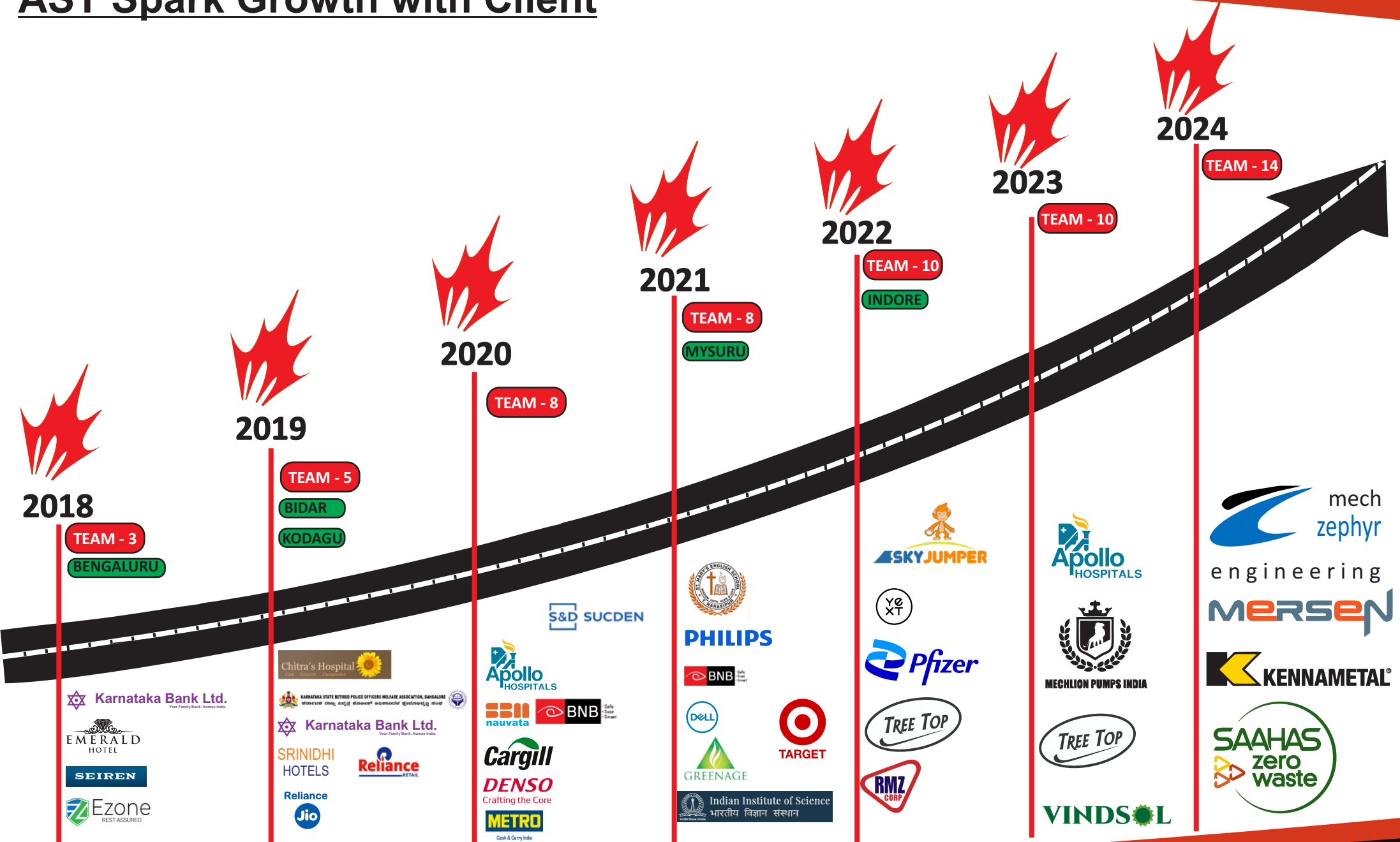
AST Spark Safety Training Excellence

***AST Spark LLP** provides comprehensive safety training programs designed to enhance the knowledge and skills of employees, contractors, and managers in managing workplace safety across various industries. Our training services are customized to meet the specific needs of your organization, ensuring that all personnel are well-equipped to handle safety challenges and comply with relevant safety standards and regulations.*

- ✦ General Safety Orientation Training
- ✦ Fire Safety and Emergency Response Training
- ✦ Workplace Hazard Identification and Risk Assessment (HIRA)
- ✦ First Aid and CPR Training
- ✦ Personal Protective Equipment (PPE) Training
- ✦ Electrical Safety Training
- ✦ Hazardous Material Handling and Safety
- ✦ Scaffold Safety Training
- ✦ Fall Protection and Work at Heights Training
- ✦ Construction Safety Training
- ✦ Safety Management System (SMS) Training
- ✦ Behaviour-Based Safety (BBS) Training
- ✦ Emergency Preparedness and Response Training
- ✦ Incident Investigation and Root Cause Analysis Training
- ✦ Leadership Safety Training
- ✦ Safety Audits and Compliance Training
- ✦ Risk Management and Safety Planning
- ✦ Road Safety training
- ✦ E- learning safety training. etc...



AST Spark Growth with Client





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