

Industrial safety, sealing & engineering.

*Application-focused solutions for critical operations —
engineered, supplied and sustained across India's most
demanding industries.*



LAMBDA PRIME LLP

Prime SRC LLP

ENGINEERING • SAFETY • SEALING

PRACTICE AREAS

- Detection
- Protection
- Sealing
- Control
- Suppression
- Imaging
- Respiratory
- Instrumentation

Fire & Gas Detection • Fire Suppression • Industrial Sealing • Process Safety • Lifecycle Services

Engineering confidence into critical operations.

Lambda Prime LLP is a Delhi-NCR based engineering solutions company supporting high-risk and mission-critical facilities with integrated safety, protection, sealing and lifecycle services.

“ We combine application engineering, carefully selected technologies and responsive field support to protect people, assets and operational continuity. ”

Four disciplines, one operating model.

01



Detection

Fire, smoke, gas and flame detection for early warning and informed response.

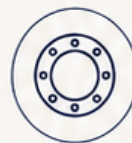
02



Protection

Suppression, respiratory safety and critical-asset protection systems.

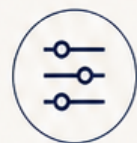
03



Sealing

Industrial gaskets, sheets, packing and flange sealing solutions.

04



Control

Combustion controls, instrumentation and safety interfaces.



Industries served

Oil & Gas • Refining • Petrochemicals • Power • Mining • Manufacturing • Infrastructure

Fire detection and alarm products.

A focused portfolio for early warning, evacuation and reliable incident response.



I. Addressable Fire Alarm Panels

Networkable control and annunciation for complex facilities.



II. Smoke, Heat & Multi-Sensor Detectors

Point detection for smoke, heat and combined fire signatures.



III. Manual Call Points & Notification Devices

Manual initiation, sounders, strobes and visual alarm devices.



IV. Aspirating Smoke Detection

Very-early warning for data centres, clean rooms and critical spaces.



V. Linear Heat Detection

Continuous temperature sensing for cables, conveyors and tunnels.



VI. Wireless Fire Detection

Flexible detection for retrofit, heritage and difficult-to-wire sites.



From addressable control panels and point detectors to specialised aspirating systems and wireless retrofits — a coherent portfolio that scales from single-room upgrades to plant-wide networks.

01

Point

From point detectors to high-sensitivity aspirating networks for tier-3 environments.

02

Notification

Manual call points, sounders, strobes and integrated visual alarms.

03

Deployment

Hard-wired networks with wireless options for retrofit, heritage or difficult-to-wire sites.



Also available: Conventional fire alarm panels, beam detectors, input/output modules, repeaters, power supplies and system accessories.

Gas and flame detection products.

Fixed, portable and optical detection for hazardous industrial environments.



I. Fixed Gas Detectors

Continuous monitoring of toxic, combustible and oxygen hazards.



II. Portable Multi-Gas Detectors

Personal and area monitoring for confined spaces and field work.



III. Open-Path Gas Detection

Long-range monitoring across process areas and plant boundaries.



IV. UV / IR Flame Detectors

Fast optical detection of hydrocarbon and specialised flame hazards.



V. Gas Detection Controllers

Controllers, alarm panels, annunciators and safety interfaces.



VI. Calibration & Test Equipment

Calibration gas, regulators, docking and functional test accessories.

A multi-technology detection portfolio with controllers that integrate fixed, portable and optical devices into a single safety interface.



01 Targets

Toxic gases, hydrocarbons, oxygen, hydrogen, refrigerants and application-specific gases.



02 Coverage

Plantwide fixed monitors with portable instruments for confined spaces and field work.



03 Connectivity

Hard-wired controllers with optional wireless links for hard-to-reach and hazardous areas.

✓ **Configurations:** Toxic gases, hydrocarbons, oxygen, hydrogen, refrigerants and application-specific gases; wired and wireless options.

Protection engineered for the hazard.

Suppression strategies selected around fire class, equipment sensitivity, occupancy and continuity requirements.



I. Clean-Agent Suppression Systems

Residue-free protection for electrical rooms, control rooms and data centres.



II. Inert-Gas Suppression Systems

Total-flooding protection for occupied and sensitive environments.



III. Water-Mist Systems

Fine-water-droplet suppression for machinery and high-risk spaces.



IV. Tube-Based Local Suppression

Automatic direct or indirect suppression for enclosed equipment.



V. Battery & Energy Storage Protection

Early warning, gas detection and suppression concepts for BESS applications.



VI. Equipment-Specific Protection

Local application systems for panels, machines, vehicles and process equipment.

Systems matched to fire class, equipment sensitivity, occupancy and continuity requirements — from data centres to vehicles, turbines and batteries.



01

Agents

Residue-free chemicals for sensitive equipment; total-flooding for occupied enclosures.



02

Delivery

Tube-based local suppression paired with water-mist and engineered systems.



03

Emerging

Detection and suppression concepts engineered for battery and energy-storage installations.

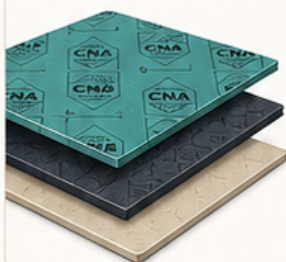


System scope: Cylinders, valves, actuation, piping, nozzles, detection, release panels, alarms and commissioning support.



Products for reliable flange and equipment sealing.

A complete sealing portfolio for process plants, pipelines, rotating equipment and maintenance shutdowns.



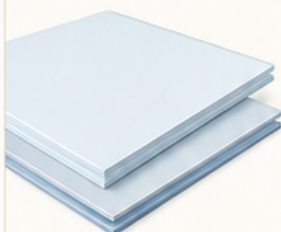
I. Compressed Fibre Jointing Sheets

General-purpose and high-performance sheet sealing materials.



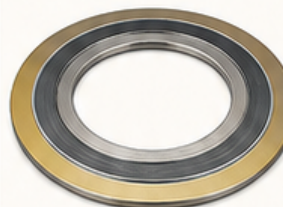
II. Expanded Graphite Sheets

High-temperature sealing for steam, hydrocarbons and process duties.



III. PTFE Sealing Sheets

Chemical-resistant sealing for aggressive and high-purity services.



IV. Spiral Wound Gaskets

Resilient metallic gaskets for raised-face and high-pressure flanges.



V. Camprofile Gaskets

Serrated metal-core gaskets for demanding heat-exchanger and flange duties.



VI. Ring Type Joint Gaskets

Precision metallic sealing rings for high-pressure equipment and pipelines.



VII. Flange Insulation Kits

Electrical isolation and sealing kits for pipeline flange assemblies.



VIII. Gland Packing & Consumables

Braided packing and sealing consumables for valves, pumps and rotating equipment.

Sheet, gasket, ring and packing options spanning general utility through high-temperature and chemically aggressive services — selected to fit pressure, temperature, media, flange condition and operating cycle.



01

Pressure

From utility classes through high-pressure ASME Class 300+ pipelines.



02

Temperature

Cryogenic to high-temperature hydrocarbon and steam services.



03

Chemistry

Chemical compatibility, pH and contamination tolerance for fluids and gases.

Application note: Material selection based on pressure, temperature, media, flange condition and operating cycle.

Products for demanding industrial environments.

Technologies that support safe operation, visibility, process control and emergency response.



I. SCBA & Escape Equipment

Self-contained breathing apparatus, escape sets, cylinders and facepieces.



II. Breathing Air-Line Systems

Supplied-air systems, distribution panels, hoses and accessories.



III. Hazardous-Area Imaging

Explosion-protected fixed, PTZ, thermal and dual-imager camera systems.



IV. Combustion Safety

UV and IR flame scanners, burner controls, spark ignition and flame management.



V. Process Instrumentation

Pressure, temperature, level and flow measurement for industrial applications.



VI. Safety Interfaces & Alarm Modules

Alarm integration, shutdown interfaces, annunciation and field modules.



Respiratory safety, hazardous-area imaging, combustion control and instrumentation — supporting visibility, control and emergency response in demanding environments.



01 Personnel

SCBA, escape sets and supplied-air systems for hazardous-area workers.



02 Visibility

Explosion-protected imaging and flame management for process control.



03 Process

Pressure, temperature, level and flow measurement plus safety interfaces.



Additional scope: Hazardous-area communication, industrial PA/GA, horn speakers, intercoms and field accessories.

Support beyond product supply.

We remain engaged from concept selection through commissioning, maintenance and future upgrades.

08 / 09

Five stages, one continuous relationship.



Services.



- Gas detector rental and calibration
- Fixed and portable detector maintenance
- Fire alarm and suppression service support
- SCBA inspection, testing and upkeep
- Shutdown and annual maintenance support
- Spare parts, consumables and retrofit solutions

Our approach.



- Application-led product selection
- Multi-technology portfolio
- Responsive local coordination
- Documentation and compliance support
- Lifecycle accountability
- Solutions aligned to operational budgets

Industries served



Oil & Gas



Refining



Petrochemicals



Power & Utilities



Mining & Metals



City Gas / CNG



Infrastructure



Data Centres



Automotive



BESS

Technology partnerships that strengthen delivery.

Lambda Prime LLP represents a focused portfolio of leading OEMs and technology partners across fire & gas safety, fire protection, industrial sealing and specialised industrial systems.



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ENGINEERING • SAFETY • SEALING

Integrated product, engineering and lifecycle support for critical industrial environments.



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