



When Fire Risk Has No Margin for Error.

Sparrow's Fire Risk and Engineering Profile



India's Most Complete Fire Safety Partner

Sparrow RMS combines 13+ years of deep engineering expertise with India's most comprehensive fire safety practice – from probabilistic risk analysis and performance-based design to advanced CFD simulations and our proprietary FREAP™ strategic planning framework.

13+

Years of Expertise

16+

Countries

650+

Clients Served

#1

Fire Safety Consultancy

Most Consultants Stop at Compliance. **We Don't.**



In a sector where fire safety is often reduced to ticking checkboxes, Sparrow RMS brings genuine engineering depth – combining compliance mastery with advanced risk science to deliver solutions that truly protect people, assets and operations.

TYPICAL CONSULTANTS	THE SPARROW WAY
× Audit-only focus – no engineering depth	✓ 3C capability: Audit + Engineer + Close
× Generic, off-the-shelf recommendations	✓ FREAP™ – bespoke fire risk strategy per facility
× Compliance boxes ticked, real hazards missed	✓ Performance-based design beyond code minimum
× Junior teams with limited site exposure	✓ Senior engineers with cross-industry depth
× No advanced simulation or modelling capability	✓ Advanced CFD, smoke & explosion modelling
× One-time engagement, no follow-through	✓ Ongoing partnership from strategy to delivery

400+

Fire Safety
Projects Delivered

16+

Countries

13+

Years Deep
Engineering Experience

6+

Industry
Verticals Mastered

“We don’t just audit compliance – we engineer fire safety from the ground up. Our clients don’t just get a report; they get a genuinely safer facility.”

THE 3 C ADVANTAGE

AUDIT

Compliance + Risk-based
Assessment

ENGINEER

Design + Advanced
Simulation

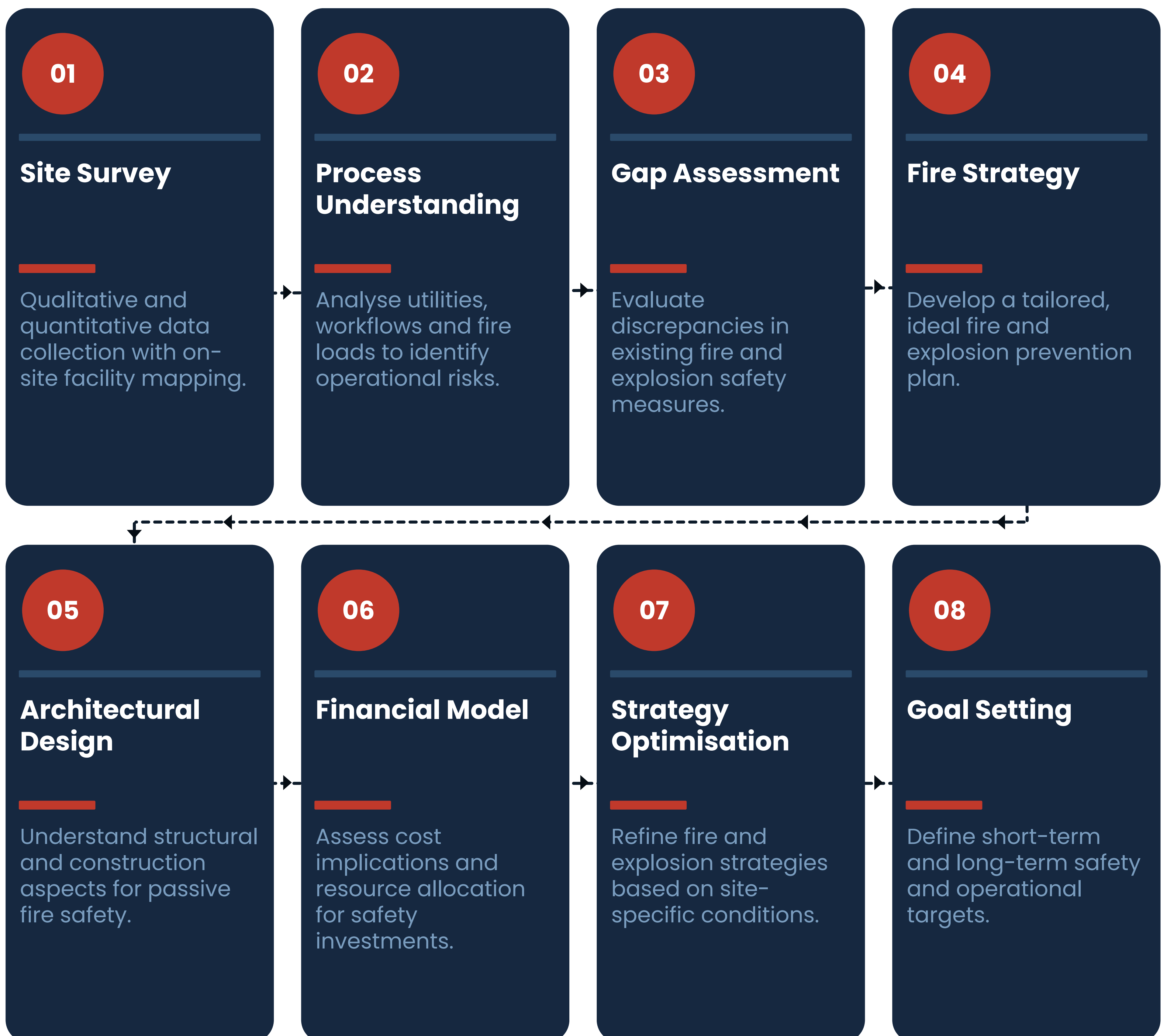
CLOSE

Implement + Validate +
Deliver

FREAP[®]

Fire Risk Engineering & Advanced Planning

FREAP[®] is Sparrow’s proprietary framework that transforms fire safety from reactive compliance into a strategic, facility-specific engineering discipline. Every engagement begins with rigorous site understanding and culminates in a financially viable, long-term fire safety strategy – built around your operations, your risks and your goals.



End-to-End Fire Safety. No Gaps.



01

Fire Safety Audit

Comprehensive site inspection, gap analysis and compliance mapping against NFPA, IS and FM Global standards.



02

FREAP™ Strategic Planning

Proprietary Fire Risk Engineering & Advanced Planning — bespoke fire strategy from site survey to goal-setting.



03

Engineering & System Design

Custom fire detection, suppression and evacuation system design — code-compliant and performance-optimised.



04

Passive Fire Protection

Built fire protection design: fire-rated walls, penetration seals, compartmentation and structural fire safety.



05

Fire & Life Safety Simulations

CFD-based smoke propagation, visibility and temperature modelling including basement, atrium and tunnel scenarios.



06

Toxic Gas Dispersion

Advanced dispersion modelling for toxic gas release scenarios with meteorological analysis and response planning.



07

Fire & Explosion Studies

Deflagration vent design, dust/vapour cloud studies and structural compartmentation against explosion hazards.



08

Peer Design Reviews

Independent third-party review of FEED documents, design drawings, calculations and fire engineering reports.



09

Project Management

End-to-end supervision — from procurement and vendor selection to installation, T&C and final commissioning.

OUR CLIENTS

Trusted by India's Most Complex Facilities.



INDUSTRIES WE SERVE

 Pharma & Life Sciences	 FMCG & Food & Beverage	 Oil, Gas & Chemicals
 Manufacturing & Industrial	 Warehousing & Logistics	 Hospitality & Real Estate

MARQUEE CLIENTS (600+)



...and 600+ more across India's most demanding sectors.

Ready to Make Your Facility Truly Fire-Safe?

Begin with a FREAP™ assessment — a site-specific fire risk review that transforms how you think about fire safety. Our senior engineers will be on the ground within 48 hours of your first call.

E: info@sparrowrms.in · W: www.sparrowrms.in · India

"FOG — Foot on the Ground. True Consulting."

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