

Expertise that inspires Trust

Engineered for Safety.
Designed for Tomorrow.





Artec Fire



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CUTTING-EDGE FIRE SAFETY SOLUTIONS

Fire engineering that enables design and safeguards life

At Artec Fire, we believe that fire engineering is not just about meeting standards and compliance - it's about enabling great architecture, protecting people, and adding long-term value to the built environment.

We are a team of specialist fire engineers, fire safety consultants and passive fire protection engineers, committed to providing tailored, proactive consultancy that supports design vision while ensuring safety, compliance, and commercial practicality.

Working across the full building lifecycle, we help clients navigate complex technical challenges with clarity, integrity, and confidence - from early feasibility through to final handover and beyond.



OUR SERVICES

Specialist Passive Fire Protection Solutions

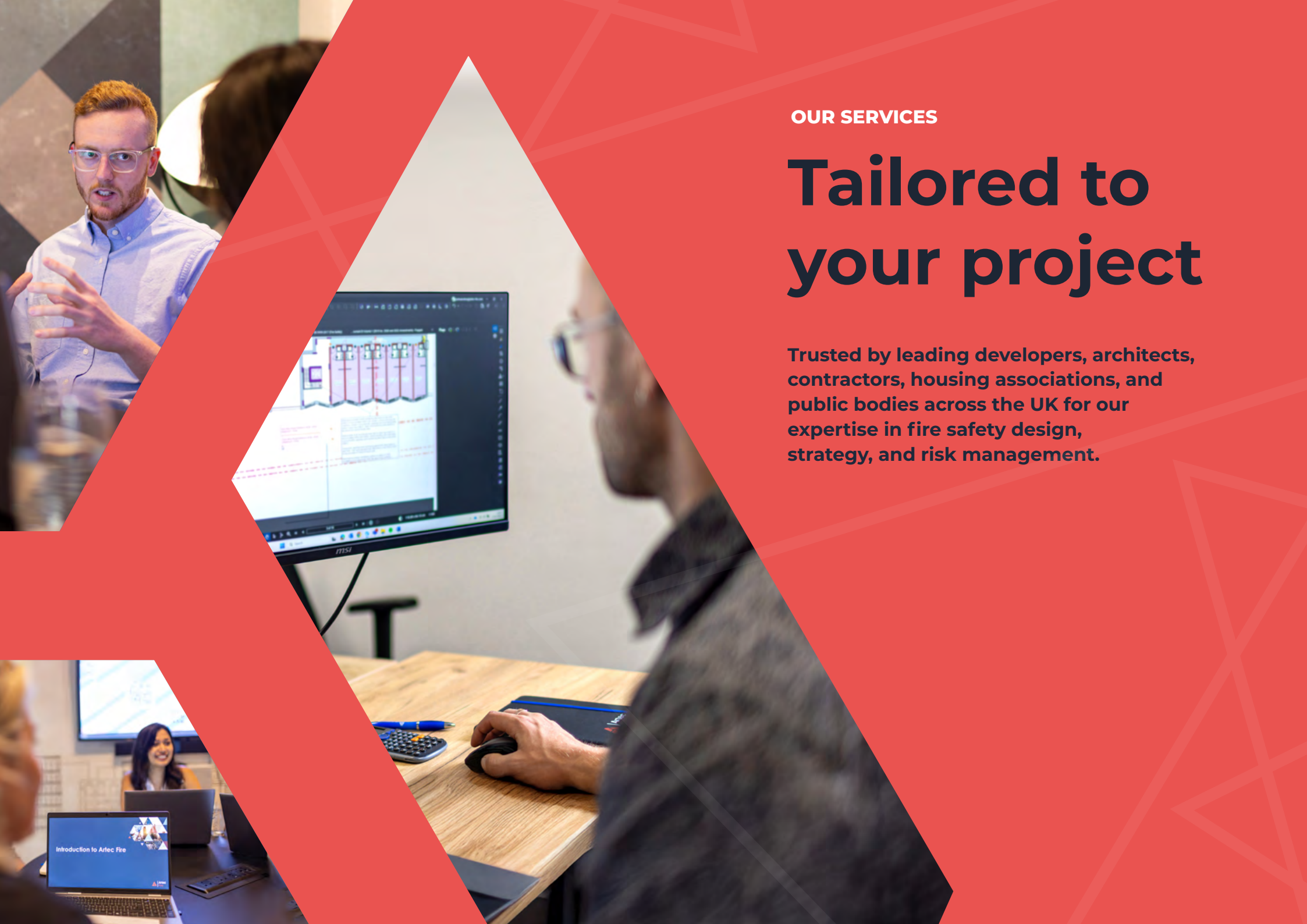
We provide expert-led support across passive fire protection design, evaluation, testing and implementation. Whether developing new products, addressing complex site conditions, or validating performance, our team delivers practical, technically robust solutions that align with project and regulatory requirements.

With the addition of our passive fire protection (PFP) team, Artec Fire now offers a fully integrated fire safety service - supporting projects from early design through to completion, helping reduce risk and avoid costly delays.



Our passive fire protection services include:

- Technical evaluations of bespoke site details that deviate from tested arrangements
- Development of test programmes for taking new products to market or to capture project specific designs
- Product assessment and fire engineering judgement for project-specific construction details
- Technical support/advice on fire resistance testing and passive fire protection design (including technical reviews)
- Passive fire protection inspections and surveys
- Delivering CPD sessions on passive fire testing and design



OUR SERVICES

Tailored to your project

Trusted by leading developers, architects, contractors, housing associations, and public bodies across the UK for our expertise in fire safety design, strategy, and risk management.

We provide specialist fire safety design and consultancy across the built environment - from fire strategies and performance-based design to fire risk assessments, audits, and expert advice, to technical evaluations of bespoke passive fire protection systems.

Our team includes chartered engineers, accredited fire risk assessors and surveyors, experts in passive fire protection testing, mentors, early-career professionals, and industry contributors - all working with a shared vision of engineering a safer future.



Cert No. 25317



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Fire Safety Design

Client-focused fire strategies that balance safety, compliance, and design goals across every project stage.

- Fire strategy development (RIBA Stages 0–6)
- Fire statements (Planning Gateway One, London Plan D12A/D12B)
- Design-phase fire safety advice and peer review
- Performance-based fire strategy development
- Technical evaluations of bespoke passive fire protection
- Retrospective strategy support
- Technical review of active and passive fire protection design



Fire Engineering Analysis

Performance-based fire solutions that unlock design flexibility and support modern, non-standard construction.

- Evacuation modelling and means of escape analysis
- Structural fire engineering
- External fire spread and façade heat transfer
- Smoke control strategy and performance testing
- CFD (Computational Fluid Dynamics) analysis
- Timber frame construction risk modelling
- Air-blast response modelling



Fire Safety Audits

Independent fire safety inspections to ensure buildings meet design intent during and after construction.

- Construction-phase fire safety audits
- Passive fire protection inspections
- On-site fire safety compliance reports
- External wall inspections during remediation

OUR SERVICES

Safe, compliant, and on track



External Wall Safety

Expert guidance on cladding safety, EWS1 forms, and remediation to meet evolving external wall requirements.

- PAS 9980 external wall fire risk appraisals
- EWS1 form completion (Options A/B/C)
- Façade remediation support
- Support with cladding reviews and risk prioritisation



Fire Risk Management

We help clients develop full building safety cases to meet legal duties and understand fire risk in detail.

- Fire risk assessments
- Fire risk management strategies
- Building safety case support
- Construction site fire risk assessments



Expert Advice

We lead fire safety research, provide expert witness services, and offer third-party reviews for confident decisions.

- Independent peer reviews of fire strategies
- Expert witness for litigation and insurance cases
- External wall and passive protection surveys
- Research collaborations with universities and institutions
- Scope analysis and test programme production for fire resistance testing
- CPD presentations on fire resistance testing and passive fire protection design

Our comprehensive, one-stop fire safety consultancy service aligns design, compliance, and risk management across the entire building lifecycle.

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Email us: info@artec-fire.com

OUR SECTORS

Nationwide coverage

Operating from strategically located offices in Manchester and London, we are trusted by clients across the UK to deliver specialist fire engineering solutions that enhance safety and enable design potential. Our expertise spans a wide range of sectors:

- Aviation
- Commercial
- Education (schools, universities)
- Healthcare (hospitals, clinics, etc.)
- Heritage
- Industrial
- Rail
- Residential (including high-rise, flats/apartments)
- Sport arenas

Across every sector, we bring together technical expertise and practical insight - **enhancing safety, enabling design, and delivering lasting value.**





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