



# *Thermal Engineering Contracts Ltd Prospectus*



**Fire Passive, Structural & Active**

**Sealing** Air, Acoustic & Air Testing

**Smoke** Curtains, Seals & Cavity Barriers

**Thermal Insulation** Façade, Soffit, Pipe & Ducting

**Fire Consultancy for Regulatory Reform (Fire Stop) Order 2006**

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# 1 About Us

Founded in 2009, Directors Mark Humphrey and Damien McKenna formed TECL with a view to becoming the best in the industry, intending to be different from existing competitors and standard fire solution offerings.

TECL provides a bespoke service based on the specific needs of our clients and industry. With over 20 years' experience of fire stopping and cost-effective in the construction industry, TECL can offer a consistent, ethical, high-quality service making us one of the most trusted contractors in specialist fire protection.

With our head office based in Leeds, West Yorkshire worked projects were predominately in the North of the UK. However, due to our successes, we have expanded our operation, opening a Southern division in November 2019, allowing us to provide broad coverage nationwide.

As a national contractor, TECL has worked on projects in several industries, ranging from small scale refurbishments to the London Olympics. TECL also combine a high standard acoustic sealing with fire-stopping to provide the best service for residential projects.

Registered with LPCB, ISO, CHAS and many other quality accreditation bodies, we ensure all work is completed to the highest quality standards. Along with our direct labour pool, who are experts in passive fire protection and thermal insulation, allowing us to provide a complete approach to stopping fire.

## 1.1 What can we do for you?

At TECL we will take time to visit your site and investigate any areas of required fire stopping works and discuss where savings can be offered. Traditional contractors within our field tend to offer their services on a schedule of rates without personal interactions. This is just one area where TECL is different. After our initial survey, TECL can offer you either a Fixed Lump Sum with a Guaranteed Maximum Price or, if it suits you better, a Schedule of Rates, it's your project ... you choose!

At design stage? No problem! Providing we are consulted early in the project we can offer to you cost-effective passive fire protection solutions. This will often make a big difference to your budgets. Based on our years of experience within the industry and knowledge of the latest technology we can help to design out costly traditional solutions.

TECL work closely with its clients to provide a safe, economical and practical approach to safeguarding people's lives and limiting the financial impact of damage to buildings should the unfortunate event of fire occur.

## 2 What does the Fire Safety legislation say?

If you own, manage or operate a business, you need to comply with fire safety law. The main law is the Regulatory Reform (Fire Safety) Order 2005 or "the Fire Safety Order". It applies across England and Wales and came into force on 1 October 2006. The Order applies to almost all buildings, places and structures.

Failing to comply with Safety fire regulations can result in notices, fines, and penalties being given to the 'responsible person'. For the purpose of First Safety, the 'responsible person' can be identified as any of the following:

- ✓ An employer
- ✓ The owner
- ✓ The landlord
- ✓ An occupier
- ✓ Facilities manager
- ✓ Building manager
- ✓ The managing agent
- ✓ The risk assessor

Your local fire authority can attend and assess the fire risk assessment of your property and its fire prevention methods. They will act if your property isn't considered fire safe or is in breach.

The Approved Documents provide guidance for satisfying the requirements of the building regulations in common building situations.

Part B of the building regulations in England covers fire safety matters within and around buildings. It is a part of the building regulations Approved Document B that third party accredited installers are used when providing fire protection to buildings, specifically;

*"Third-party accreditation and registration of installers of systems, materials, products or structures provide a means of ensuring that installations have been conducted by knowledgeable contractors to appropriate standards, thereby increasing the reliability of the anticipated performance in fire."* (Approved Document B, section B, page 11)

**By appointing TECL to complete your fire prevention works you are satisfying part of your legal obligation in line with this regulation.**

### 3 What is Fire Stopping?

Fire stopping is best defined as the closing of any openings to prevent fire (including smoke and heat) from passing through numerous building compartments. Passive fire protection materials stop the spread of a fire, containing it by creating fire resisting compartments, which subdivide the building (vertically or horizontally). It is our job to ensure that any openings and gaps are sealed to restrict a fire spreading both laterally and vertically.

#### 3.1 Why is fire stopping important?

Time is of the essence when it comes to decelerating the speed of fire. Passive fire protection such as firewalls and installation of firestopping within the building construction can prevent a fire from spreading for up to four hours, generating additional time for the fire services to arrive and allowing people to leave the building safely.

Depending on the kind of fire prevention method you need, a range of firestopping can be used. For example:

- A fire barrier system is made from high-density rock wool and has a fire-resistant coating. These slabs are used to fill a cavity between walls and ensure that the fire cannot spread. They also improve acoustic performance.
- Compound systems using gypsum are used to provide a seal around penetrations such as pipes, cables, and ducts. If these are not fire stopped correctly, they provide an opening that allows smoke and fire to spread.
- An intumescent sealant is either water or silicone-based and can be used in fire stopping. They adhere to a range of surface materials and because they are so adaptable. Like other methods, sealant can offer up to four hours of protection.

Fire-stopping is an essential part of passive fire protection, which is why it is so important that it is installed by trained professionals.

## 4 Our Services

- Fire Safety Consultancy
- Fire stopping
  - Ablative Coated Board Seals
  - Structural Fire Compound Seals
  - Linear Joints
  - Penetration Seals
- Structural Fire Protection
  - Fibre Based Steel Protection Systems
  - Glass Fibre Reinforced Gypsum Board
  - Flexible Fire Protection Blanket Systems
- Fire Doors
- Air Sealing
- Insulation
- Sound Acoustic Coatings
- Fire Risk Assessments
- Cladding inspections
- Passive fire surveys
- Flexible Fire Barriers / Cavity Barriers (Wall & Floor)
- Intumescent Fire Protection, Fire Boarding
- Soffit and façade Insulation
- Acoustic sealing & testing
- Air Sealing & Testing
- Slab Edge, Fire curtain
- Fire Rated Hoardings
- Pipe Lagging

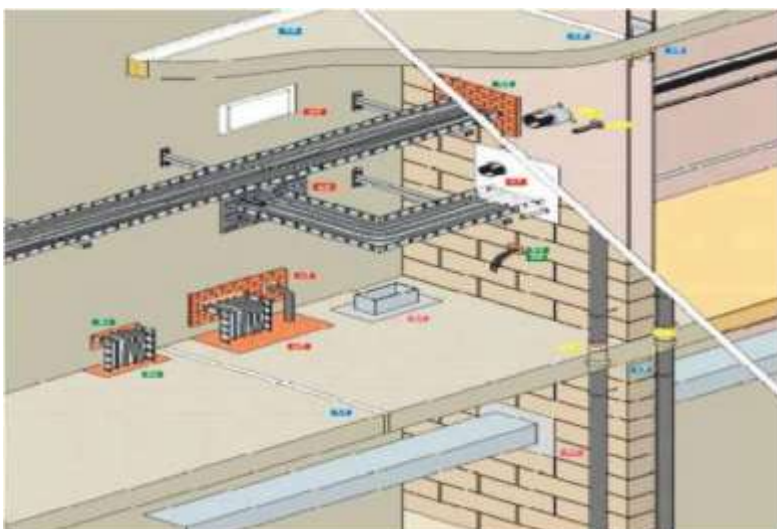
### 4.1 Façade, Cladding & Rain Screen Fire Seals

TECL have unparalleled knowledge of installing facade fire seals and we are more than happy to help with design prior to arriving at site to carry out the installation. TECL's experience in this field can offer value engineering solutions at the drawing board stage that are not possible to implement once other trades commence on site, so please call TECL early to discuss our solutions.

## 5 Fire Stopping Products

TECL only uses fully tested products, manufactured by approved suppliers. Only specialist firestopping contractors can give you the peace of mind that the system installed on your project is correct and compliant.

We are experts in understanding common building defects, using an approved method and product ensures your building is protected to the highest standard. If a fire seal is installed incorrectly the result could be disastrous. In order to achieve specified fire ratings of up to 4 hours in walls and floors, it is important that the correct type of product and method is used. By utilising the most advanced firestopping products, TECL can significantly reduce your cost.



This illustration shows that there are numerous service penetration breaches throughout a building that require fire stopping and examples of services TECL can offer.

### Penetration Seals

Intumescent Acrylic or Silicone Sealant are ideal for sealing small gaps with or without penetrating elements. They are also ideal for sealing around metal pipes, cables, conduits and ducts which penetrate walls and floors.



## 6 TECL Boris Software



Boris is a powerful application for collecting and managing data

sent to and from a mobile workforce. Central to the application is the ability to design forms for use on mobile devices and to view and process them on completion. Many additional features include planning and dispatching jobs to mobile devices; releasing authorised forms to

customers; interfacing with external systems such as Sage, and costing matrices.

With Boris you're in total control. Boris lets your engineer's record on-site/mobile installations – all from their smartphone/tablet. This means you can see tagged photos, digital marked-up drawings, instant pricing of worksheets & cost and productivity information, all in real-time. Excel & Pdf creation of worksheets and documents, and by using the system's GPS, you can even locate your staff working as they move across different sites. So now you can track the man, and not the van. It's simple to use and to implement, with over 50 standard documents already prepared and ready to use. With the flexibility to create 1000's more as and when you need them.

BORIS is also ideal for H&S forms and Procedures like: Toolbox talks, Handovers, Risk Assessments, Q&A, Vehicle Safety checks, Training Certification, Plant & Equipment Safety Checks, Expense Claim Forms.

TECL install all our works using the Boris - Software. This system allows you to have a real-time view of all of our works as they happen, inclusive of cost, quality, photos, H&S. If we are working on your project you will always be given access to this software.



More information and live demos can be found on the following links;

<http://www.boris-software.com/>

<https://vimeo.com/256936694>

## 7 Accreditations



The Contractors Health and Safety Assessment Scheme (CHAS) are an authority on health and safety and compliance. CHAS was a key developer of the core criteria held in the Approved Code of Practice which supported the Construction (Design and Management) Regulations 2007 (now recognised as CDM 2015) and is a founder member of SSIP (Safety Schemes in Procurement).



Constructionline is a Government-run scheme, which collects, assesses and monitors a standard company information. Constructionline is a founder member of Safety Schemes in Procurement (SSIP). SSIP was developed to alleviate the need for construction companies to undergo multiple stage one Health and Safety assessments.



LPS 1531  
Cert number 963PI

The Loss Prevention Certification Board (LPCB) is the leading international Certification Body in the fields of security and fire protection.



Achilles and SSIP share a dedication to promoting health and safety for construction workers, as well as reducing unnecessary cost and confusion in supply chain assurance. Alongside PAS91, the SSIP accreditation puts Achilles' supply chain solutions at the forefront of standards in the UK construction industry.

TECL have a number of ICA certifications



ISO 27001 certification demonstrates we have identified the risks, assessed the implications and put in place systemised controls to limit any damage our company. Achieving ISO 27001 certification shows that we have:

- Protected information from getting into unauthorised hands
- Ensured information is accurate and can only be modified by authorised users
- Assessed the risks and mitigated the impact of a breach
- Been independently assessed to an international standard based on industry best practices



ISO 14001 is an internationally recognised standard for environmental management systems (EMS). It has allowed TECL identify and control the environmental impact of our activities, products and services and to continuously improve its environmental performance, taking into consideration environmental protection, prevention of pollution, and socio-economic needs.



Registration to ISO 9001 provides objective proof that we have implemented an effective quality management system, and that it satisfies all of the requirements of the applicable standard. We are confident we have processes in place to help continuously improve our management systems.



OHSAS 18001 is an internationally applied British Standard for occupational health and safety management systems (OHSMS). This standard establishes requirements for an organization to control its work-related health and safety hazards and improve their performance by planning

## 8 Health and Safety Policy Statement

*TECL is fully committed to undertake its business in such a way as to minimise the risk of injury or ill-health to people, damage to property or the environment. We seek to continue to improve our health and safety performance and management systems through a process of review and implementation of best practice and legal*

*compliance.*

### **Our statement of general policy is:**

- Provide adequate control of the health and safety risks arising from our work activities.
- Consult with our employees on matters affecting their health and safety.
- Provide and maintain safe equipment.
- Ensure safe handling and use of substances.
- Provide information, instruction, and supervision for employees.
- Ensure all employees are competent to do their tasks and to give them adequate training.
- Prevent accidents and cases of work-related ill-health.
- Maintain safe and healthy working conditions.
- Review and revise this policy as necessary at regular intervals.

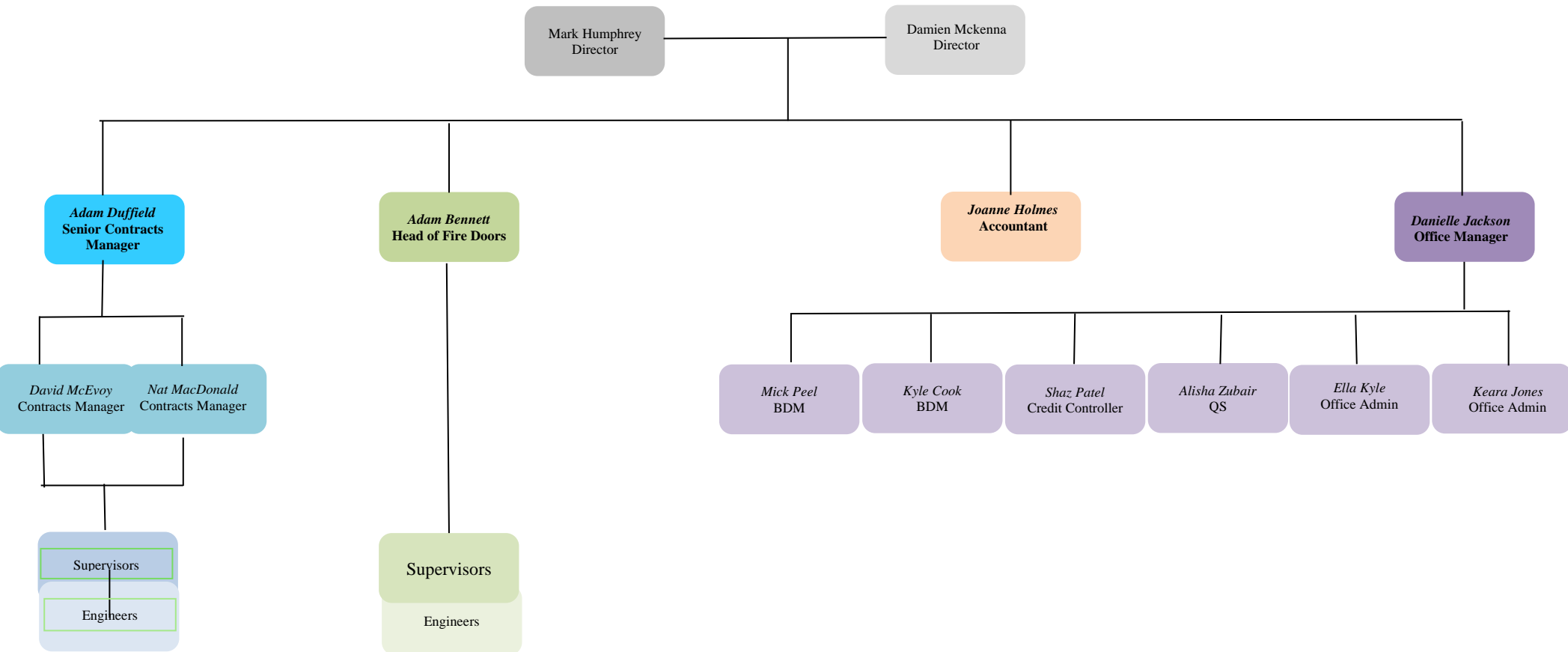


Damien McKenna, Director



Mark Humphrey, Director

## 9 Organisational Structure



## 10 References

### **Dumfries and Galloway Hospital**

Contractor: Laing O'Rourke  
 Date: 21<sup>ST</sup> February 2016  
 Name: George Logan  
 Position: Construction Manager

### **Lanchester Hospital**

Contractor: BAM  
 Date: 9<sup>th</sup> January 2017  
 Name: Dan Burns  
 Position: Managing Surveyor

### **Bradford Royal Infirmary**

Contractor: BAM  
 Date: 9<sup>th</sup> January 2017  
 Name: Ahmed Yousfi  
 Position: Managing Surveyor

### **Ladywell & Brooke Building, Salford Royal**

Contractor: City Build  
 Date: 17<sup>th</sup> December 19  
 Name: Tony Wylie  
 Position: Associate

### **Henry Royce Institute**

Contractor: Laing O'Rourke  
 Date: 15<sup>th</sup> February 2020  
 Name: Joseph Corney  
 Position: Senior Quantity Surveyor

## 11 Testimonials

TECL have been carrying out regular inspections with the Building Control Officer and Fire Officer for the fire stopping works and have received several commendations relating to both quality of the works and concise quality assurance records that have been produced. The client has been particularly impressed by the fact that they have not yet found fault with any location that they have inspected and have cited this as a first in their experience.

In my opinion credit should be given to John Mollart who has worked tirelessly with us to ensure completeness of installation and has collaborated with us to produce excellent QA.

Records that has given the BCO and FO both confidence and trust.

Please thank John on my behalf as he is an excellent Ambassador for your company.

Regards John.

John Entwistle | Project Manager | Northern | Construction | ISG  
Building 1, Exchange Quay, Salford Quays M5 3EA

Communication – Good proactive approach to the work. Management and supervisors respond quickly to the needs of the project  
Operatives – Generally very good. Completed work to a high standard, cleanly and to the correct method

Records – Excellent record keeping on all seals  
I would be happy to work with TECL again having had a good experience on the Yorkshire Schools

Regards

**John Harrison**

Construction Manager

Laing O'Rourke Construction Limited

Yorkshire PSBP

All Saints | Bradley Road | Huddersfield HD2

2JT

TECL satisfactory completed a passive fire compartment repair/improvement scheme as Principal Contractor that I administrated on behalf of The University of Hull at their Scarborough Campus during the Summer period in 2013.  
It should be note that the scheme primarily involved passive fire works undertaken directly by TECL but there was a small number of other subcontractors under their supervision and therefore TECL acted as Principal Contractor for the scheme.

*Kind Regards*

**Mark Acey BSc (Hons) MRICS  
CMaPS**

**LPCB®**

www.redbooklive.com

## Certificate of Installer Approval

Certificate Number: 963PI

Issue: 03

**THERMAL ENGINEERING CONTRACTS LIMITED**



Having complied with the requirements of the following:

**LPS 1531: Issue 1.0**

Requirements for the LPCB Approval and Listing of companies installing or applying passive fire protection products.

Company assessed and approved for installation of passive fire protection products under the following scope:

### Company Address

38 Whitehouse Street  
Leeds  
LS10 1AD

### Scope:

Appendix 1 - Penetration, cavity barrier and linear gap seals  
Appendix 2 - Fire rated board and cladding to structural elements

This Certificate is maintained and held in force through regular surveillance activities.

*T. Baker*

Signed for LPCB

Tony Baker  
Certification Scheme Manager

18 June 2013  
Date of Issue

02 December 2009  
Date of First Issue



BF1307 Rev. 0.0

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**bre**



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Thermal Engineering Contracts Limited

Supplier ID: 5138901

Date(s) of audit: 01/07/2019

Auditor name: Andy Walker

Audit Type: One Day – Contractor/Installer

## **Audit Record – Revised 08/07/2019**

Version 4.0

## 12 Contact Us

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