

LHTDesign's fire engineering team is well positioned to meet the growing need for fire engineering in the design and ongoing management of buildings.

We offer solutions to large and complex fire safety scenarios, can access specialist and specific fire modeling, and can arrange to design mechanical smoke extraction systems through a separate sub-consultant.

LHTDesign engineers regularly attend fire-related conferences around the country and have a strong rapport with local Fire Service and Territorial Authority fire personnel. This extensive network of professional peers, equipment suppliers, installers and contractors, and fire service personnel keeps us abreast of industry advances.

We look outside the square in providing solutions to building owners that are economic and safe.

We have the experience and knowledge of the Building Act to meet compliance requirements and ensure our fire engineering designs proceed smoothly through Council consent processes.

Unlike many others, we also have a good understanding of the total picture. Fire engineering with LHTDesign is not just a matter of producing a report to keep council happy, we look at ways of minimising risk, evaluating construction alternatives that allow for better occupant safety or property protection, and of optimising building layout to reach a solution that also provides the best return.



Packhouse fire - photo courtesy of HB Today

Commissions and clients have included the study of existing and upgrading requirements for Heinz Wattie Foods; upgrading of existing buildings and design of new buildings for Hawke's Bay Regional Hospital; new and upgrading requirements for Apollo 27,000sq metre storage complex; Lindisfame College Auditorium; plus numerous industrial, commercial and retail buildings.

We can assist with:

- Fire engineering reports to accompany building consent applications including
 - Education buildings
 - Coolstores and large storage buildings
 - Accommodation buildings
- Fire safety audits of existing buildings

Heading up our team are:

Tim Pike is a highly experienced structural, civil and fire engineer, and project leader. Tim views clients' construction needs from a broad perspective taking into account civil, structural, fire, architectural, and legislative considerations.



Tim Pike

Tim graduated from Auckland University in 1989 with a bachelor's degree in civil engineering, and commenced working in the fire engineering field shortly after the Building Act was passed into law in 1991. He is now a Chartered Professional Engineer and is a member of the civil and structural practice colleges. He is an affiliate member of the Society of Fire Engineers and has applied to join the fire engineering practice college.



Alan Thompson

Alan Thompson is a senior engineer and director of the firm and has many years experience in the developing field of fire safety and engineering design. Alan provides a fresh perspective and review support



For more information on these and other projects, check out the Fire Engineering section on our website www.lht.co.nz