



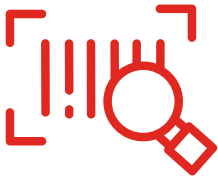


North Kesteven District Council

CASE STUDY

Fire Compartmentation

North Kesteven District Council (NKDC) is a local government district based in the East Midlands, providing services including council tax, housing, licensing and rubbish collection for residents who live throughout a large rural area.

Following a review of fire risk assessments Neo won the contract to reinstate effective fire compartmentation in 19 blocks of flats in Sleaford.

Job Details	Location	Contract Value
 <p>A rolling programme of passive and active fire protection works</p>	 <p>19 Blocks of Medium Rise Flats in Sleaford, Lincolnshire</p>	 <p>Approximate value of the works: £700k</p>

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North Kesteven District Council identified a risk that party walls dividing flats on the top floor were not sufficiently compartmentalised. The risk identified that in the event of a fire, smoke and flames may spread throughout the entire roof void spanning each block with potential to compromise the current stay put policy

Neo was employed to first conduct destructive surveys of the roof space to establish the method of roof construction and determine the presence of any existing fire compartmentation. Neo worked in conjunction with several professional advisors and technical representatives from Hilti GB where a solution was later identified and submitted for approval by local building control officers.

The flats were originally constructed in the 1960's with a flat roof but in the early 2000's all roofs were over roofed with a metal Speedeck, mono pitched roof, on a timber frame structure. The new structure was constructed off the existing roof deck, a method that gave rise to the identified risk between party walls dividing flats on the top floor.

Through close planning and ongoing liaison with residents, disruption was kept to a minimum. The agreed work enabled residents to remain in their homes whilst works were performed. Prior to sign off by local building control officers, proposals were subjected to further review by NKDC's Fire Safety Team, a process which placed a requirement for proposals to satisfy value for money criteria. Throughout the construction phase representatives from the council's building control attended the site on a regular basis where through strict compliance with design proposals, a defect-free installation of passive fire protection to FIRAS certification standards was achieved.



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