



Lining gas pipes in high rise buildings

Development of a gas industry specification for polymeric pipe lining systems for multi occupancy buildings

High rise buildings across the country have internal gas risers – usually made of steel and copper.

When risers are coming to the end of their operational life, replacing them using existing construction methods is expensive, time consuming and disruptive to customers in the buildings. So we've been exploring some alternative methods.

Working with the other gas networks we explored alternative methods of renewing these riser systems by assessing the feasibility of coating the pipes internally, much like methods already used in the water industry.

The development of this suite of interlinking projects including HTC Serline and NU Flow technology trials alongside the development of a riser lining specification, provides a structured approach to developing the most suitable methods for lining our riser assets. This will provide a cost effective and efficient way to extend the life of riser systems.



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Key Benefits

- The availability of riser lining technology for use in the gas industry would substantially improve the cost of replacing a gas riser while significantly increasing the operational life of the asset, benefiting both our customers and gas networks.
- Major construction work to replace the gas riser systems will be avoided, which will significantly reduce time on sites while minimising travel disruption to individual householders and communities.

Next Steps

- This interlinked approach allows gas networks to assess all technologies equally and make informed decisions on the requirements of a riser lining technology.

