



Intelligent CO monitors

Carbon Monoxide (CO)

Carbon Monoxide (CO) – the silent killer, is an odorless, tasteless, poisonous gas that is released when any fossil fuel that burns – not just gas – doesn't burn properly. Breathing it in can make people unwell and kill. Every year 40 people die and over 4,000 are injured as a result of CO poisoning. As well as regular service of all appliances, an audible CO alarm is a key way to stay safe from the risks of CO poisoning.

Existing CO alarms result in false alarms and call out of the gas emergency service through misinterpretation of a battery

low warnings or the reliability of the CO sensor. The false alarms result in additional costs on gas networks, tie up vital resource and incur unnecessary travel which creates additional CO2 emissions. Additionally, low level exposure to CO may not trigger an existing CO alarm but still potentially lead to long-term health problems for those exposed.

Working alongside other gas networks, this project will test a new design of battery powered CO monitors with GPRS communications and advanced self-monitoring capabilities, allowing CO risk to be monitored remotely and intelligently.



**YOUR GAS EMERGENCY
AND PIPELINE SERVICE**



Key Benefits

- Give gas networks confidence that the new CO monitors can deliver a reduction in call outs to CO false alarms and an increase in reporting speed.
- Demonstrate to social housing providers that the new CO monitors are reliable and efficient as well as economically viable to make sure their tenants – particularly those most in need, are protected from the dangers of CO – including at low exposure levels.
- Identify any acceptance or behavioural issues in the use of the new CO monitors.

Next Steps

- Testing of a further 150 detectors planned for houses in Wales and the south west of England.
- Possible generation of opportunities for gas networks to take part in new CO awareness activities and education of the general public on the dangers of CO.

