

SGN Overview

SGN are a UK gas distribution network operating in the South of England and across Scotland and are responsible for all the gas pipes underground and up to the customer gas meter.

SGN have a legal obligation to deliver an Iron Mains Replacement Programme, which was introduced by the Health & Safety Executive (HSE) in 2002. This objective of the programme is specifically to address concern about the failure of gas iron mains, particularly cast-iron mains due to fracture. The programme requires the relevant distribution networks to replace all 'at risk' iron mains within 30 years of 2002. SGN are delivering approximately 800km per year across both their networks. This programme is also likely to extend to 2046 to allow the replacement of all remaining iron mains with PE pipe.

Typically, SGN secures the delivery of this programme through third party contractors and are looking to supplement their existing supply chain with new delivery partners.

In addition to the Iron Mains Replacement Programme, prioritising customer warmth and safety by delivering gas in a sustainable way remains SGN priority. To maintain this commitment, SGN are working alongside the UK and Scottish Governments to decarbonise the network by transitioning away from using fossil fuels like natural gas and diesel to zero-carbon alternatives like hydrogen and biomethane.

An example of this commitment is where SGN are developing a world-first hydrogen network in Fife (Buckhaven and Denbeath), that will bring renewable hydrogen into three hundred homes in 2024. This unique project will provide zero-carbon fuel for heating and cooking. The network will use clean gas produced by a dedicated electrolysis plant, powered by a nearby offshore wind turbine. The project is the first of its kind to employ a direct supply of clean power to produce hydrogen for domestic heating – putting SGN at the forefront of the clean energy revolution.