

GAS DISTRIBUTION TECHNOLOGY



Advanced Engineering Solutions Limited have specialist skills and experience in gas distribution technologies. This covers the design, operation and optimised maintenance strategies required to effectively manage extensive pipeline networks. The Company's technical capabilities include:

- the operation of grey iron, ductile iron, steel and PE networks,
- the associated civil and highway engineering activities associated with the construction and maintenance of these systems.



Advanced Engineering Solutions can provide a range of independent services to assist with the design and management of gas distribution networks:

- **Engineering Design**
Design of new pipe systems and integration in existing networks.
- **Replacement Strategies**
Definition of appropriate pipe replacement strategies and procedures. Risk management based on operation history, failure data and customer profile.
- **Technical Documentation**
Preparation and validation of safety cases, codes and standards, method statements and risk assessments.

- **System Pressure Uplift**
Assessment of pressure and flow requirements, and changes in risk associated with operational changes.
- **Product and Technology Applications**
Product testing and validation to meet UK and international engineering codes, selection and guidance on technology applications.
- **Technical Audits**
Streetworks and gas engineering activities.
- **Failure Investigations**
Examination of pipeline and equipment failures on site, and associated laboratory testing. Provision of expert engineering witness services.
- **Technical Documentation**
Preparation and validation of safety cases, codes and standards, method statements and risk assessments etc.



Please Contact: Malcolm Wayman at

Advanced Engineering Solutions Limited
South Nelson Road
South Nelson Industrial Estate
Cramlington
Northumberland
NE23 1WF
United Kingdom

Tel: +44(0) 1670 739999
Fax: +44(0) 1670 717999
e-mail: m.wayman@aesengs.co.uk