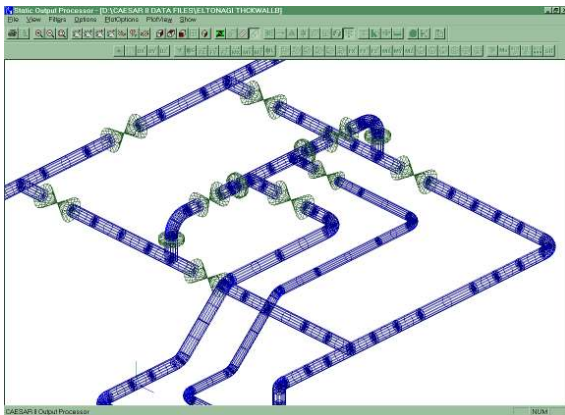


# GAS TRANSMISSION TECHNOLOGY

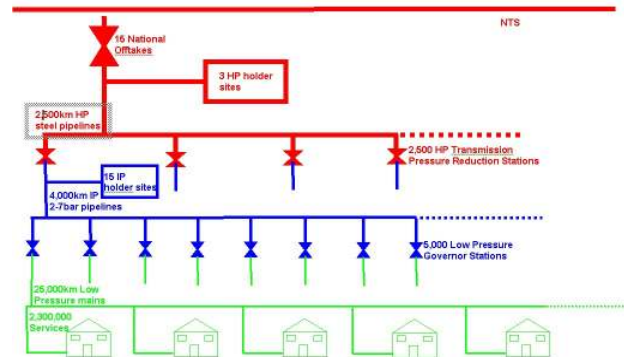


Advanced Engineering Solutions Limited are pipeline engineering specialists with expertise in various aspects of the design and operation of gas transmission system.

- Feasibility and routing studies including system modelling, consents, wayleaves and connections, engineering and commercial document preparation.
- Pipeline design to IGEM TD1.
- Pipe systems stress analysis to IGEM TD12 using Caesar 2.
- Fatigue and fracture analysis using Crackwise and Rstreng.



- Large volume metering including installation design and audit, calibration and fiscal verification.
- Preparation of hazard assessment document, emergency procedures and risk assessments.



- The design and validation of gas control systems including pipework (pressure reduction installations, power station supplies etc).
- Performance validation and optimisation of gas compression plant.

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