

National Gas Metering Upgrades



Client:

Wood PLC / National Gas

Location:

Onshore, UK

Equipment:

Control Panels, System Upgrade

- Seamless integration of Codesys HMI with flow computers and PLC

This project highlights Proserv's commitment to enhancing gas metering infrastructure by delivering tailored solutions that meet the evolving demands of National Gas's operations. The successful upgrade of these key sites ensures precise measurement, improved data integration, and long-term operational efficiency. With potential for further upgrades, this partnership sets the stage for continued innovation and reliability across the UK's National Transmission System, supporting the critical role of energy distribution to millions of homes.

Project background

National Gas (NG) owns and operates the high-pressure National Transmission System (NTS), which delivers gas to millions of domestic customers across the UK. Custody transfer metering occurs at various Above Ground Installations (AGIs) before gas is sold to consumers. Proserv was awarded the contract to upgrade 5 key sites, with potential for an additional 10 site upgrades in the future. This project is critical for maintaining accurate and reliable gas flow measurements for the national asset.

Chosen for our reputation

With over 200 metering control systems supplied so far to the industry, Proserv was chosen because of our system's proven quality and reliability. We had previously completed successful projects for this client and so had a reputation for being flexible and easy to work with.

Control panel scope

- Two 1 Bay Metering Panel for different sites
- 8 x Emerson S600+ flow computers
- 2 x ABB Flow-X flow computers
- Codesys HMI integration on all sites

Integration scope

- Upgrade Emerson S600+ to the latest firmware
- Upgrade ABB Flow-X to the latest firmware
- Configuration of Opto22 PLC



Emerson and ABB flow computers