



# STERLING PHARMA

CLIENT: STERLING PHARMA SOLUTIONS  
G2G: DECEMBER 2020

## PROJECT OVERVIEW

*Built on Sterling Pharma Solutions' existing pharmaceutical works at Cramlington, the site produces biogas from waste solvents which is then processed into biomethane and injected into the NGN IP via a 470m PE export pipeline. The site injects approx. 600scmh. CSL led the development of the entire BtG site integrating a Bright BUU, Orbital GEU, Stortec gas holder, Flare Products flare and a bespoke control system.*



## CSL DESIGN SCOPE

- Integration of Bright BUU, Orbital GEU, Flare Products flare & Stortec gas holder.
- Mechanical pipework & condensate system installation
- Provided air compressors LVDB, and all electrical and communications cabling.

## CSL PM SCOPE

- Principal Designer and Principal Contractor under CDM
- Programme Management
- NGN tracker management inc GL5/G17
- HAZOP, DSEAR, PHAST modelling
- G2G commissioning management

## KEY CHALLENGES

*The key challenge this project faced was extremely high levels of H<sub>2</sub>S in the biogas, peaking at 5000ppm. CSL solved this by installing a dedicated H<sub>2</sub>S sensor upstream of the BtG system which would trigger the biogas flare at a pre-set level to prevent high H<sub>2</sub>S gas reaching the BUU. An additional challenge during the design phase was the close proximity of tension cables from the AD which had to be avoided.*

