

## Capacity Dartford II, Dartford

**Client:** Clowes Developments UK Ltd | Exton Estates Ltd | Readie Construction Ltd | Elis

**Project Consultant:** Knight Webb | Gregory Associates

**The Development:** Two new industrial units

**Start Date:** August 2018

### Our Key Values

- Managed a full turnkey solution for the client, involving DNO/IDNO HV installations and private HV/LV network design and installation; end to end gas service, metering and outlet connections; end-to-end water service, fire hydrant and sprinkler supply, metering and outlet connections.
- Direct savings of over £120,000 for the end client on electricity and gas connections.
- Saved the client a potential reinforcement cost of £1.2m on SGN's primary pump station above 7bar at St Mary Cray, through relationship management and technical objection of findings of the Sufficiently Complex Job (SCJ) Reinforcement study, which earlier suggested the reinforcement.
- Obtained preliminary load of 10MW MP gas from the network pending the outcome of an SCJ, which is very rare in the industry by building a strong relationship with key stakeholders at the network level.
- Managed a complex UKPN relationship with end client, to ensure client's project was delivered without any issues.
- Worked within client's expectations on service delivery.
- Offered free M&E advisory service to client.

**Building M&E Consultant:** Watkins Payne

**Completion:** January 2019

### Our Solution

Design, installation and project management of:

- One 2MVA and one 1MVA HV fiscal electricity supplies, to include approximately 1km offsite excavation on busy Dartford roads.
- Private HV and LV network consisting of one 11kV HV Switchboard and three 1MVA transformers, HV and LV cabling up to terminations in customers LV panels, complete with combined HV/LV earthing design and installation for a cold site.
- An MP main to include one 23MW MP gas service, one 1MW MP gas service, and approximately 250m of offsite excavation on busy Dartford routes.
- 450m of 125mm barrier pipe installation for clean water and sprinkler supplies
- Coordination of multidisciplinary engineering teams and personnel.
- Utility wayleave – negotiation and management.