



### Description

- ◆ £12m redevelopment of a Grade II listed factory building to provide new space for residential and commercial interest
- ◆ Design of primary boiler plant serving 220 residential properties on a conversion from existing mill buildings to residential. The boiler house comprises a gas oiled fired boiler plant and one bio-fuel oil fire boiler. Each boiler is designed to 25% of total load serving underground mains to apartment blocks
- ◆ A centralised cold water storage system with two compartment water tanks. Each compartment of 12m<sup>3</sup> storage with triple jump booster sets serving cold water services to each of the apartments via underground mains
- ◆ Apartment sprinkler systems and fire hydrants to serve the site
- ◆ The provision of two new site transformers provided from the HV network with supplies via a site wired LV ring to metered outlets to each apartment
- ◆ The provision of new landlord's street lighting and infrastructure throughout.

### Involvement

- ◆ Detailed design of building mechanical and electrical engineering services including full production of detailed design information, thermal model, daylight model and draft energy performance certificates
- ◆ Full Infrastructure design from centralised energy centre to each accommodation and commercial space.

### Benefits Delivered

- ◆ Engagement in value engineering process with the contractor, highlighting the risk and opportunities of alternative designs
- ◆ Engaged with and obtained agreement of design proposals with the Conservation Officer.

*£12m redevelopment of Grade II historic textile factory into residential and commercial space*