

# Modular Plant Rooms

Four Modular AHU plant rooms were provided as part of a prestigious five storey Office development. Weighing over 30 Tonne each, the modules were fully assembled on site at ground level and lifted onto the 23m high roof. A 500T mobile crane was used to land them onto fully water tight stubs.



## Key Points:-

Steel frame built on temporary supports adjacent the main building.

1. Cladding and plant items were fully fixed at ground level. This included the air handling units, piped services, valve sets, chilled water pumps, heat exchangers wiring and controls.
2. Welded lifting lugs hidden in the parapet can be used for demolition.
3. Major Cost savings through constructing at ground level.
4. Small link areas to staircases were completed at roof level.
5. Expensive full height scaffold to outside edges was eliminated.
6. Overall programme was reduced as modules could be constructed as the main building progressed. Estimated at 8 weeks total time saving.
7. Improved quality control and site safety produced zero accidents.

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