

**PROVISION OF 2 No. ROOF MOUNTED CONDENSER UNITS, 2 No. INTERNAL
AIR CONDITIONING UNITS & ASSOCIATED UPS SERVING ADDITIONAL
DATA STORAGE CAPACITY**

For

PEER 1 DATA CENTRE

At

**BUILDING 5000 LANGSTONE TECHNOLOGY PARK
HAVANT, PO9 1SA**

DESIGN AND ACCESS STATEMENT

Rev. 1 23rd October 2015

Head Roberts & Associates
No 1 Station Terrace
Shawford
Winchester
Hants, SO52 9DY

Tel: 01962 711111
Email: mark.head@headroberts.co.uk

1. Introduction

This statement provides supplementary information required as part of the application for planning permission made on behalf of Peer 1 in connection with an upgrade in data storage capacity of their existing data centre at Building 5000 Langstone Technology Park. This upgrade provides a 15% increase in the data storage capacity on the site, the first phase of which was occupied in the autumn of 2011.

The first phase of the fitting out for Peer 1 occupation of the formerly redundant Building 5000 on Langstone Technology Park was granted Planning consent on 4th October 2011 (Planning reference APP/11/01298) with Phase 2 being granted consent on 25th June 2013 (Planning reference APP/13/00411)

The current application represents more intensive utilisation of the data pod and services rooms created under earlier phases of the fitting out works.

The programme for implementing future phases of the installation is subject to future commercial demand for data storage under the Peer 1 brand and would be subject of a separate planning application in due course.

The key components of the proposed installation are as follows:

- 2 no. Liebert MCL 165 roof top condensing units
- 2 no. internal computer room air conditioning (CRAC) units
- 2 no. fault detection and classification (FDC) units
- 1 no. battery back-up unit



View from roof level of existing Liebert MCL Condenser units

2. Use

The proposal remains within the existing B1(a)/B1(b) business use of the Langstone Technology Park Site, and as described above involves the provision of cooling plant to support an expansion of this use.

3. Amount

The proposal results in the creation of no additional floor space. The proposed cooling plant to be located at roof level covers an area of 25m² with open mesh access gantry covering an area of 40m²

4. Layout

The 2 no. roof top condenser units are located close to the centre of the Building 5000 footprint above the data processing room Pod B which will house the additional data processing equipment. See plan no. 4264/115

5. Scale

Building 5000 is some 139 m long, 15.7 m high and 58m wide. The proposed roof top plant will project some 2.2m above the parapet of the existing building, in line with existing similar units and its' foot print covers an area of 0.3% of the total building plan. See elevation drawing no. 4264/ 121

6. Noise

The applicant has commissioned a noise report by Ian Sharland Ltd. acoustic consultants which forms part of the application documentation.

The noise impact assessment uses data from the ambient noise survey carried out in connection with the first phase of the development.

The designers of the installation have confirmed that one of the roof top condenser units will serve as a back-up cooling should the other unit fail and the functioning condenser is designed to operate at 75% maximum working load. This is reflected within the noise assessment analysis.

As a result of the noise modelling exercise the report establishes that the additional noise generation arising from the proposed plant results in combined noise levels which are within the established limit required at the residential properties within Brookside Road.

7. Landscaping

There is no soft or hard landscaping proposed in connection with this application.

8. Appearance

The roof top cooling units are not insignificant in height above existing parapet level, however visibility from public areas is very limited. Building 5000 is screened from view from the north (A27) both by a broad belt of trees and by other buildings within the campus. Likewise from the public areas to the east (Langstone Road) the existing building and proposed plant would be screened from view by other buildings within the campus. The roof top plant will be visible from within the Langstone Technology Park site from the south and west, however the location is very much heartland industrial use and roof top plant is a feature of the Langstone Technology Park campus. It is proposed that the plant housings will be coloured in a pale grey to reduce visual impact against the back ground sky and to match other existing similar roof mounted units.

9. Access

The existing pedestrian and vehicular access to the Data Centre is unaltered as a result of the current proposals with pedestrians entering the centre via Buildings 4000 and the main staff entrance and via Building 6000 where passenger lifts are available to provide access for disabled persons.

Service access will continue to be provided via the service apron and a single dock leveller to the western end of the building

10. Parking

No additional staff will be employed as a result of the current proposals and parking for existing staff is maintained within the Langstone Technology Park Campus.