

## Case Study – L’Oreal London HQ

Location: Hammersmith

Total Contract Value: £46k

Year: 2020

Job type: Extend chiller life of chiller No 1



CBAC Services Ltd have been servicing these 2 chiller since 2012 through the main FM companies on site.

In recent years it has been difficult for these old chillers to maintain the cooling in the building, due to the conditioning of the condenser coils not being able to reject the heat, on some day reaching 35 + C for chiller designed for 28C back in 1998.

2016 the client requested all 24 condenser fans on both chillers be replace with Zeal Abegg blue high efficiency fan to try and gain more air flow through the coils. Followed by and adiabatic spray system to cool the air before going through the coils. Both works just prolonged the need to replace the coil.

The Daikin screw compressor are all still operating well, so with the new coils this chiller should last for many years to come.

We went back to the original Italian factory which is under new ownership with Mitsubishi Electric for the new coils.

The client was hope to have the works completed before this summer but due to COVID it all got delayed.

There was a challenge with the mobile tower crane provided by City Lifting Ltd, due to weigh restriction of the unground car park owned by Novotel we had to use the one way short road to bypass the car park.

There was some additional works required while pressure testing each circuit, my engineer found some weeping gasket on the compressors. We employed our business partner, who I have known for many years Chris Page of AC compressors Ltd to carry out these works.

All 4 circuit had new sigh glasses and drier cores before finally evacuating and recharging.

This chiller is now performing something like it did 20 years ago.