

# CASE STUDY



## STRUCTURED CABLING FOR THE MOLECULAR SCIENCES RESEARCH HUB

### AT A GLANCE

**Solution Summary**  
Design and Installation of the Structured Cabling Solution.

**Client**  
Imperial College London

**Location**  
London, UK

**Size**  
250,000 sq ft

**Manufacturer**  
Leviton (Brand-Rex)

### BACKGROUND

The Molecular Sciences Research Hub is one of Imperial College London's newest campuses, located in the White City Opportunity Area, and will be the new hub for the Department of Chemistry. The £167 million development is the largest investment in a university building in 21st century London. As a continuation of the College's commitment to sustainable development, the new facility will achieve a BREEAM Excellent environmental performance rating.

### OUR SOLUTION

Onnec were brought in for the SCS and Secondary Containment of the new construction, comprising of 250,000 sq ft over 10 floors of office space, requiring the installation of 8,500 outlets. One of the main challenges was in response to the shallow ceiling voids that measuring less than 1m deep in places to facilitate the open plan lab environments. We had to coordinate all the cable runs and install over 2,000m of fibre optical cable and 400,000m of data cable.

Due to lack of storage on site we were required to store all equipment off-site and deliver to site as required as part of the installation programme. Throughout the project, we utilised our off-site pre-termination to reduce both our total number of deliveries to site and by removing unnecessary packaging we were able to significantly reduce the waste. This was a core requirement of the university and the main contractor ISG who wanted to mitigate the environmental footprint of the building works.