H. H. Wills Physics Laboratory
University of Bristol
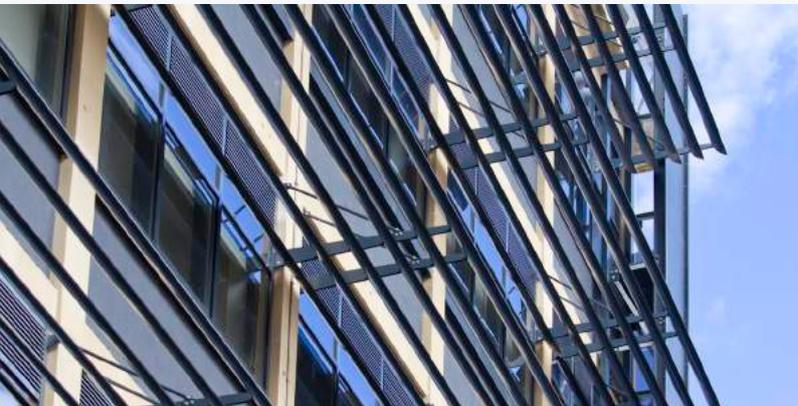
Project Details

- **Scope**
  Refurbishment of 4500 sqm of façade area, laboratory and remodelling of entrance

- **Role**
  Architect, Lead Designer, CDM Co-ordinator

- **Client**
  University of Bristol

- **Contract**
  Intermediate with Contractors Design

- **Contractor**
  Bray & Slaughter

- **Value**
  £2m

- **Dates**
  Feb 2011 - Feb 2013

Fresh Outlook for University Landmark

The works relate to the 1960s extension of the H H Wills Physics Laboratory, which is listed by virtue of its connection to the original 1920s neo-classical building and is located within Tyndall's Park Conservation Area. The building is a prominent landmark in Bristol on account of its scale and hilltop location.

The brief for the refurbishment of the 1960s extension included upgrading the thermal performance of the building envelope, updating the appearance of the façades, refurbishing a laboratory and remodelling the entrance foyer to improve access and circulation as well as enhancing the presence of the main entrance. The façade works comprise the replacement of the existing steel frame single glazed windows with new aluminium framed double glazed curtain walling; rendering over the mosaic spandrel panels; cleaning and re-pointing the Bath stone pilasters, transoms and ashlar walling; installing new brise soleil to the south elevation; and re-rendering the infill panels to the lecture theatre.
The entrance work extends the internal floor level out to a new external landing with steps and a DDA compliant ramp; and includes a glazed extension, the roof of which extends over the new landing as a canopy.

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Key Aspects

- Refurbishment of façade, laboratory and remodelling of entrance

- Replacing windows with double glazed curtain wall system

- Insulating cavity wall by injection

- Rendering over spandrel panels

- Brise soleil to south elevation

- Stone cleaning and re-pointing
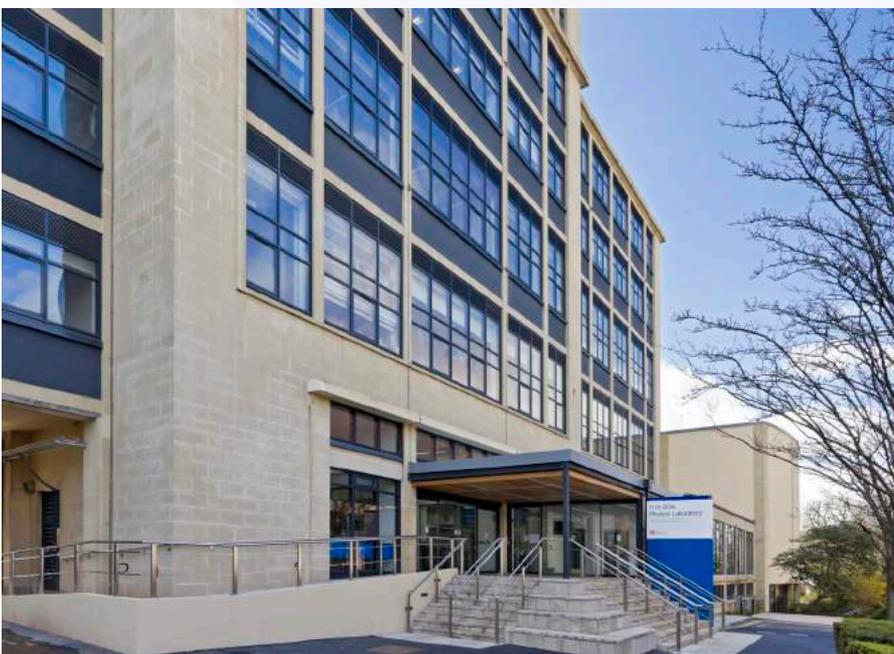
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