

SCHRÖDINGER BUILDING, OXFORD

Collaboration is the key to success on brise soleil project at Oxford Science Park

LOCATION

Oxford

PROJECT

Brise soleil system for office and laboratory facility

DATE

July 2018

CONTRACTORS

Britplas, Barnwood Construction

ARCHITECTS

Bogle Architects

DESIGN

- Cantilevered canopy creates 'grand entrance' for four-storey office and lab facility
- Aluminium brise soleil blades inserted between steel framework protect drop-off area from direct sunlight
- Shadow boxes on side elevation provide solar shading for Grade A office space
- Close collaboration and sharing of ideas with architects, contractors and aluminium extrusion experts Vision Profiles

MANUFACTURE

- Maple invested in advanced 3D modelling software and shared it with aluminium supplier
- Detailed fabrication drawings uploaded for Vision Profiles to create extruded aluminium components
- Process reduced design time and ensured smooth manufacture process

INSTALLATION

- Precision manufacture of 500mm solar screening blades for aerofoil canopy ensured error-free installation
- Maple also installed louvred walls and doors to protect and ventilate plant room
- Maple applied Diamond Route approach for effective communication and project management

VERDICT

"The use of our 3D modelling software and its compatibility with Vision Profiles' CNC machining equipment helped reduce design time by 80% for the whole project."

Jay McGrath, Project Director, Maple

DID YOU KNOW?

The Schrödinger Building, named after Nobel Prize-winning physicist Erwin Schrödinger, is home to life science and technology businesses in spaces that promote collaboration and the cross-fertilisation of ideas.

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MAPLE

