



# SOLINEAR

integration / imagination / innovation



# SOLEX

solar shading



# SOLEX

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## solar shading systems

### INTRO

Solinear SOLEX solar shading systems have been designed to mitigate solar heat gain in buildings. The practical benefits of solar shading span across economical, environmental and health related factors.

The systems assist in reducing the impact of solar heat gain entering buildings through windows and curtain walling systems whilst providing an aesthetic and unique external visual appearance to the building facade.

### WHAT WE OFFER

We offer a full Design, Manufacture and Installation service for our range of static and operable external solar shading systems.

Manufactured from a range of materials including extruded aluminium, stainless steel, galvanised or mild steel and a range of timber species that provide a sustainable, cost effective and aesthetically pleasing addition to any structure.

#### DESIGN

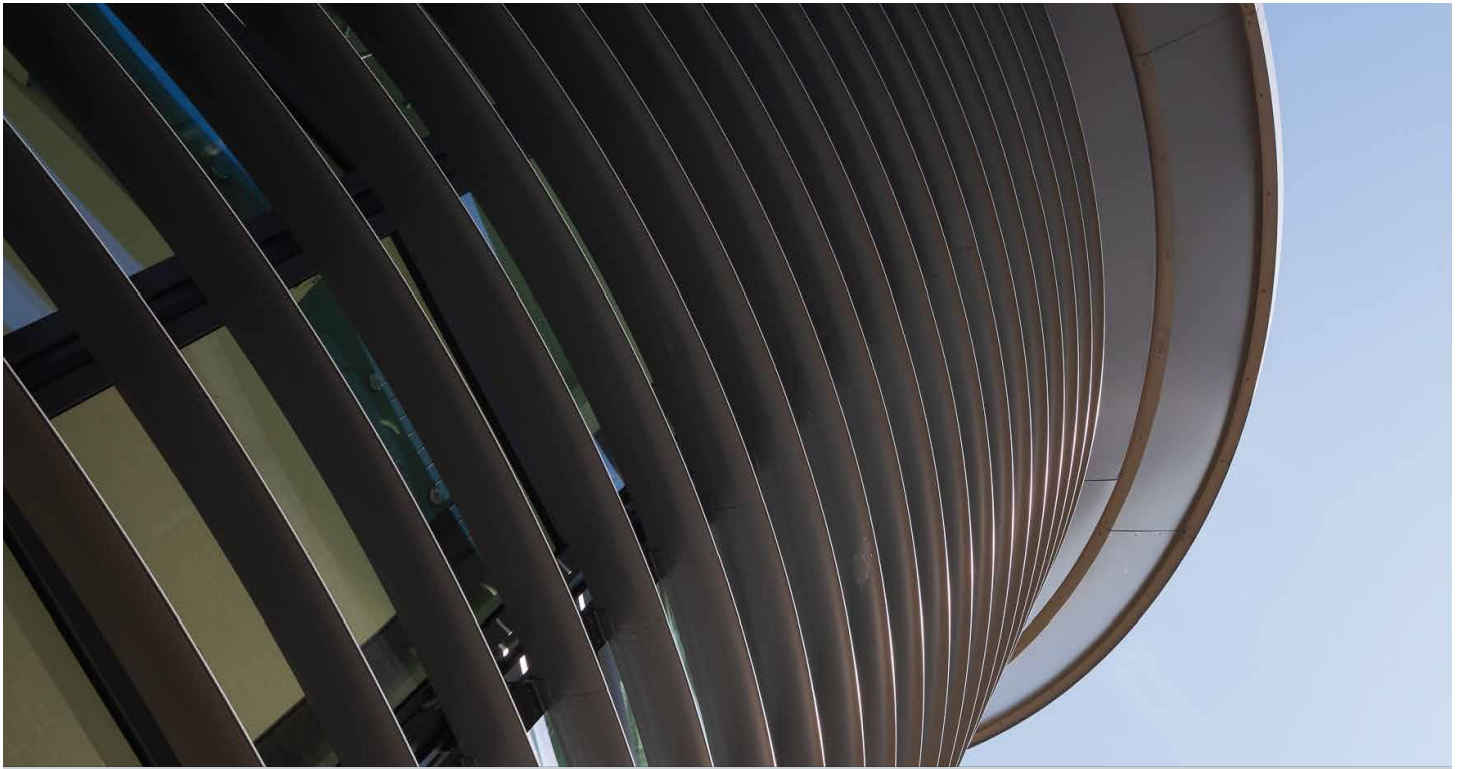


#### MANUFACTURE



#### INSTALL





# HOW WE WORK

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## **PROJECT MANAGEMENT**

All projects are managed by fully qualified and experienced project managers, guaranteed by us to be responsible for the efficient and successful implementation of the product, manufacture and installation.

## **DESIGN**

We design all of our products using the very latest Autodesk Mechanical and Inventor 3D design software, allowing us to incorporate external details and supply our drawings and design documents in electronic DXF/DWG/DWF or PDF file format for easy collaboration, design reference and inclusion directly into your own CAD details or model.

## **BIM**

We are BIM level 2 compliant and as such BIM models of our products are available for download through our dedicated online library at [www.solbim.co.uk](http://www.solbim.co.uk).

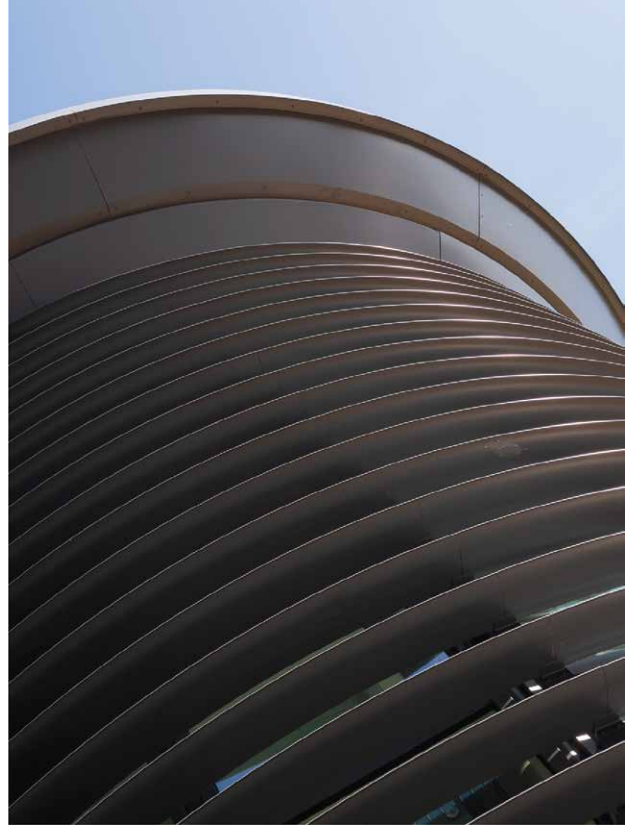
## **ADVANCED ANALYSIS**

Sun path solar analysis can be carried out to support our solar shading proposals. Specialist computer software uses predictive ray casting technology to model the sun's paths and subsequently calculate the amount of sunlight penetrating the building façade after our solar shading system has been taken into account.

## **INSTALLATION**

To ensure your complete confidence in our projects we employ fully trained CITB registered installation engineers for each project. All associated installers will possess relevant CSCS documentation, IPAF and PASMA training. All site supervisors have SSSTS at minimum.





# SOLEX HALO

Our premium HALO aluminium solar shading system features a range of geometrically symmetrical blade profiles. With varying span, profile and pitch capabilities the HALO is our clients' go-to solar shading solution.

## ORIENTATION

Horizontal

## BLADE TYPE

100 x 25  
150 x 30  
200 x 40  
300 x 50  
400 x 65

## PROFILE GEOMETRY

Elliptical  
Rectangular  
Square  
Trapezoidal  
Circular

## VARIANCES

Operable



**SOLBIM**  
Building Information Modelling  
By Solinear



# SOLEX LINEAR

Our cost-effective solar shading solution that extends from the building facade as a horizontal canopy. The system incorporates Z louvre blade profile inclined at 45 degrees, and compatible with most primary structures including window / curtain wall systems, steel work, glulam, timber and masonry. The Linear product can also be used for vertical applications.

## ORIENTATION

Vertical  
Horizontal  
- Continuous  
- Fassade

## BLADE TYPE

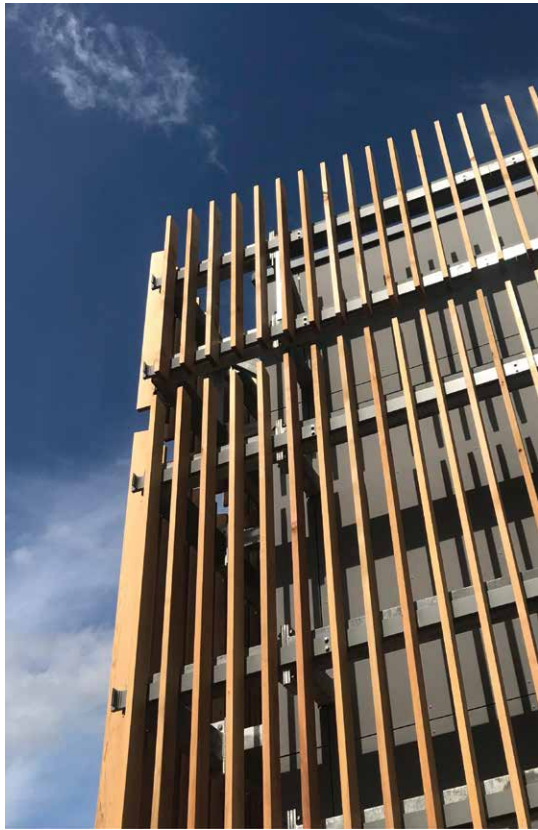
165 Z

## PROFILE GEOMETRY

Elliptical

## VARIANCES

Operable



# SOLEX MEDERA

Our range of Medera Timber provides exceptional manufacturing versatility in terms of size and geometry. We can achieve virtually any solar shading blade profile. It's Eco-friendly, sustainably sourced and PEFC certified.

## ORIENTATION

- Vertical
- Horizontal
- Continuous
- Modular Cassette

## BLADE TYPE

- 100
- 150
- 200
- 300
- 400

## PROFILE GEOMETRY

- Elliptical
- Rectangular
- Square
- Trapezoidal
- Circular

## VARIANCES

- Operable
- Removable

## SPECIES

- Western Red Cedar
- Siberian Larch
- Scandinavian Redwood - Thermowood D
- Accoya Wood
- IROKO
- European Oak
- Red Meranti
- Sweet Chestnut



# SOLEX MALLASOL

The Solinear Mallasol™ product range uses aluminium perforated mesh sheeting to provide a dynamic and variable solar shading solution to a building façade.

Used where large scale vertical shading fins are required, these fully bespoke fins incorporate perforated aluminium mesh providing a dynamic and variable solar shading solution or building façade.

## ORIENTATION

Vertical  
Horizontal

## BLADE TYPE

Any size

## PROFILE GEOMETRY

Elliptical  
Rectangular  
Square

## VARIANCES

Operable



# SOLEX VERSATIL

Our VERSATIL product is a series of bespoke-designed extruded aluminium circular profiles that make up a stunning screening solution with a fully-secret fix.

The louvre blades are designed to hang either horizontally or vertically at any degree of inclination and pitch spacing to provide optimum screening or ventilation performance.

## ORIENTATION

Vertical  
Horizontal  
- Continuous  
- Pannelled

## BLADE TYPE

100  
150  
200  
300  
400

## PROFILE GEOMETRY

Elliptical  
Circular

## VARIANCES

Removable



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DESIGN



MANUFACTURE



INSTALL



01347 879 046 | [www.solinear.co.uk](http://www.solinear.co.uk) | [mail@solinear.co.uk](mailto:mail@solinear.co.uk)

**SOLEX**  
solar shading

**AQUARIUS**  
louvre systems

**MEDERA**  
timber systems

**SOUNDEX**  
acoustic systems