

## Facades



### Toyota Headquarters, Melbourne

Arup pushed the boundaries of technology to create an alternative to shading devices, designing a glass clad, north-east facing atrium that drastically reduces the amount of thermal radiation.



### Brisbane Magistrates Court, Qld

Brisbane's legal community can now lay claim to one of Australia's most environmentally friendly buildings thanks to Arup's innovative facade work on the city's latest landmark building. The facade lets beneficial environmental elements in such as daylight, ventilation and views but prevent negative external impacts such as noise, pollution, heat and glare.



### Aurora Place, Sydney

Traditional facade design was challenged with Arup's decision to twist the canopy glass on installation. By twisting the glass, this enabled positive drainage without the use of visible gutters and flashings. The end result is the aesthetically pleasing look the architect imagined it to be.

Arup has a well-established facade group providing advice on a range of projects from new buildings to refurbishment and building remediation.

The facade makes a major contribution to the overall look of a building but it also has to perform technically. With facade designers, structural engineers, architects and materials specialists, Arup's facade group designs to meet structural requirements as well as retain the aesthetics of a building.

This broad skills base enables Arup to tailor solutions to meet client and project needs. With a tailored solution, the overall objectives of building appearance, quality, performance, cost and durability can be achieved.

Arup's materials specialists and glass designers push technology to the limits in order to create innovative and sustainable designs. Applied to residential and commercial buildings, innovation is achieved in terms of solar and thermal control, enhanced natural daylight, structural integrity and acoustic control.

Arup's combination of industry knowledge, available materials and sustainable design gives clients a real advantage.

Arup's capability in building remediation work is not only to diagnose problems but also effectively design, document and manage repairs – a full spectrum of services to asset owners and managers.

Working closely with other disciplines, Arup can offer clients integrated and holistic solutions attuned to the total building design.

The Arup facades skill network means that consultants in Australia have access to the vast pool of internal expertise from around the world.