SUSTAINABLE DESIGN FEATURES

- Awarded a 5 Star Green Star Design rating Certified by the Green Building Council of Australia.
- Natural daylighting provided through glass-panelled curtain wall.
- High performance glazing; insulated double-glazed curtain wall with solar control & low emissivity coatings.
- Adjustable blinds minimise glare.
- Locally-sourced bricks; durable & low maintenance.
- Energy efficient building services, including zero water use air-cooled chillers, air handling units & fan coil units with Carbon Dioxide & Volatile Organic Compound (VOC) sensors, timers & individual controls.
- Energy efficient LED & T5 lighting, zoning & controls.
- Energy efficient external lighting with daylight sensors.
- Highly visible internal staircases function as “bump space” to connect people, reduce lift energy use & improve health & wellbeing.
- Energy & water sub-meters connected to campus-wide Energy Management System.
- Real-time sustainability performance data linked to digital screens in public areas.
- Bottle water refill stations on every floor.
- Water efficient fixtures e.g. toilets, hand basin taps, waterless urinals.
- Rainwater capture, treatment & re-use to supply the building’s toilets & landscaping.
- Capture, treatment & re-use of fire system test & maintenance drain-down water.
- Improved Indoor Environment Quality through selection of materials, furniture, flooring, paints, adhesives & sealants & carpet with zero or low VOCs & use of composite wood products with zero or low formaldehyde content.

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SUSTAINABLE DESIGN FEATURES

- Low environmental impact flooring, joinery & loose furniture.
- Timber re-used, recycled or from certified sustainable sources; e.g. Radiata Pine glu-lam beams from New Zealand, Victorian ash stairway & Hoop Pine joinery.
- Steel sourced from environmentally responsible steel manufacturers.
- Green concrete; a proportion of cement substituted with flyash (a waste product from power stations).
- Polyvinyl Chloride (PVC) products avoided where possible.
- Zero Ozone Depleting Potential refrigerants & insulants.
- Flexible, adaptable space design for “future-proofing” the building.
- Recyclable waste storage space & Hungry Giant polystyrene compactor.
- 98% of construction waste recycled.
- 60% of car spaces allocated for small, fuel-efficient cars.
- End Of Trip facilities in basement; 160 secure, undercover bicycle spaces, 9 showers, 112 lockers & change facilities.

PROJECT TEAM

OWNER + PROJECT MANAGER
University of Technology, Sydney

ARCHITECT
Gehry Partners (design architect)
Daryl Jackson Robin Dyke (executive architect)

ESD / GREEN STAR + MECHANICAL + ELECTRICAL + HYDRAULICS + FIRE
AECOM

STRUCTURAL + CIVIL
Arup

CONTRACTOR
Lend Lease

FAST FACTS

SIZE
Gross Floor Area 18,413m²
Useable Floor Area 15,500m²

COST
Project cost $180M
Project cost per m² $6,517

DATES
Start date November 2011
Early works completion November 2012
Main works completion November 2014
Official opening 2nd February 2015

Question everything, be curious forever, and never forget that life is about people, so make buildings for people, and always use natural light, ’cause it is free
Frank Gehry