



Ryde Gardens, North Ryde, NSW

Philosophy and Organisation

At Cundall sustainability is not an add on, it is a core service and we've been a leader in Australia for over 10 years. Considering whole of life cost, performance and impact is central to our approach. We deliver value, excellence, innovation and sustainability for our clients by listening, collaborating and utilising our local and global expertise.

100 Green Star Projects and Counting

Cundall have worked on over 100 certified Green Star Projects and have thirteen accredited Green Star Accredited Professionals (GSAPs) across our Australian practice, two of which are in Adelaide, who have successfully delivered the first certified 5 Star Green Star rating at Bowden, the Bowden Information Centre. We believe our experience in delivering Green Star projects on time and budget is second to none.

Reducing Rating Risk

To reduce rating risk and keep certification costs down we have developed a number of in-house Green Star project management tools, templates and checklists. These tools simplify the analysis and submission process and provide design and contractor teams with the information needed to achieve the credits necessary with minimum effort. We understand that most developers are not interested in achieving any more points than necessary. By closely managing credit risks we avoid excessive point contingencies, saving you time and money.

Web-based Document Management

Cundall was actively involved in the development of the web-based Green Star submission management tool, ODS. This platform streamlines the preparation of Green Star submissions and is used on all of our projects. The tool is used to assess different Green Star strategies, track individual submission documents, and provide simple reports to all team members to ensure there is no miscommunication in the Green Star process



Our Commitment to Sustainability

Cundall is the world's first consultancy to be formally endorsed as a One Planet Company by sustainability charity BioRegional.

This is based on the 10 One Planet Living principles originally developed by WWF and BioRegional.

Our other commitments include:

- 5 Star NABERS ratings for all Cundall Australian offices
- City Switch 2016 signatories
- Aiming to provide 40,000 volunteering hours across our practice during 2016
- Supporting Collaborative Future Cambodia campaign 2016
- Regularly holding of free CPD events in our offices and share our knowledge and experience
- Actively encourage a culture of continuous improvement and staff with professional development.

Green Star Accredited Professional Services

As the principal GSAP on your project we will lead the preparation of the Green Star submission and certification under the new Green Star Design and As-Built rating tool.

Cundall will provide advice and support throughout the life of the project to ensure that the project team has access to information covering Green Star principles, structure, timing and process. Just some of the services we offer are outlined below:

Concept and Planning Approvals (DRP & DA) Phase

- Attend the Green Star certification process consultant briefing as per the Urban Development Guidelines.
- Facilitate Green Star project team workshops
- ESD input and advice into the Informal Design Review Panel meetings as necessary with Renewal SA.
- Prepare preliminary Green Star application templates and reports.

Design Development Phase

- Prepare Green Star packages of information for relevant disciplines
- Lead development of Green Star point plans and risk management
- Provide guidance to all team members on their design, calculations and selections.
- Attend design team meetings as required.

Construction Documentation Phase

- Prepare Green Star specification clauses:
- Provide pre-tender documentation reviews
- Attend design team meetings as required.

Contract Administration Phase

- Brief each of the key contractors in person and/or participate in contractor inductions.
- Provide Green Star contractor coaching and induction
- Attend strategic site meetings as required.
- Provide contract documentation reviews
- Submission management including credit compilation and delivery of 5 Star certified rating

Green Star Technical Support

- Daylight and glare modelling
- Thermal comfort modelling
- NatHERS modelling & reporting
- Energy modelling & reporting
- Peak energy demand modelling
- Materials Life Cycle Assessments
- Specific Innovation credit studies, SROI etc.



Cockburn Central, Cockburn, WA

Cundall is currently engaged by Australand to provide ESD and Green Star services for this new four-stage residential development at Cockburn Central, WA, comprising 348 apartments with retail units, gym and swimming pool.

The building is targeting a 5 Star Green Star rating under the new tool, a first for a residential project in WA. Features include premium thermal comfort, external views and innovative smart meters to all apartments to allow users to monitor their own electricity, gas and water consumption, along with a Photovoltaic array and Solar Hot Water heating to the centralised heating plant

Cundall also offer the following consultancy services as required:

Building Services Engineering

- Mechanical
- Electrical
- Hydraulics
- Fire
- Vertical Transportation
- Acoustics

Ratings and Compliance

- BCA Section J including JV3
- Living Building Challenge
- One Planet Living

Commissioning

- Independent Commissioning Agent
- Commissioning Management
- Building Tuning

Cundall Team



Caimin McCabe

Director

BSc (Eng), Dip Eng (BS),
GSAP, MAIRAH

Project Role: ESD Project
Director

Caimin has over 22 years consulting experience in the design and analysis of ESD in buildings, some of which enjoy both national and international praise for innovative design and performance.

Relevant projects and experience

Z66 Downtowner at Lygon, 66 Lygon Street, Carlton, VIC

Caimin acted as the lead ESD Consultant supporting the development in determining the sustainable design response to meet the Melbourne City Council planning scheme requirements of demonstrating the potential to achieve a 5-Star Green Star rating against the Green Star Multi-Unit Residential (v1) rating tool.

Richmond Precinct Redevelopment, Melbourne, Victoria, Australia

Led the Cundall team that worked closely with the Department of Housing and Williams Boag Architects to provide sustainability consulting and develop a Sustainability Framework for the Richmond Precinct Redevelopment.

Lancaster Gate Village, Bundoora, VIC

Prepared and negotiated a Sustainable Development Overlay on behalf of Deal Corporation with Places Victoria (then VicUrban). The overlay gave guidance to designers on the sustainability requirements and objectives for the different phases and functional infrastructure the development of the former Larundel Hospital site into a large mixed use development comprising of medium density residential, commercial and retail.



Lewis Hewton

Senior ESD Consultant

BEng (Mechanical), GSAP
(Design & As-Built), LEED
Accredited Professional,
MIEAust

Project Role: Lead GSAP

As Senior ESD consultant with Cundall, Lewis has acted in both analytical and advisory roles for several high profile developments. Lewis will act as the Green Star project leader and Green Star Accredited Professional (GSAP) for this project.

Relevant projects and experience

New Royal Adelaide Hospital PPP, SA, Australia

ESD consultant managing the Green Star Healthcare rating for the largest infrastructure project of its type in Australia. The project is targeting a 4 Star Green Star Design and As-Built Rating and requires close coordination with the Proponent, the State Government and the Green Building Council.

Zero Carbon Challenge, SA, Australia

Core member on the winning design team of Renewal SA's Zero Carbon Challenge to design and build a Zero Carbon house at Lochiel Park. Duties included environmental building simulations, embodied carbon modelling and community engagement using online surveys to identify ESD project drivers.

Minda Brighton Masterplan, SA, Australia

ESD consultant for the \$200 million redevelopment of Minda's 28 hectare Brighton Site. This work was built upon to shape the interpretation of the masterplan and deliver the framework for an integrated, affordable, liveable and sustainable coastal urban village.



Stella Matulesnya

ESD Consultant

BEng (Hons), GSAP

Project Role: ESD
Consultant

Since joining Cundall Stella has been involved on projects from a range of sectors such as healthcare, Defence, retail, residential and education. Stella's role on the project will provide technical support and Green Star submission management.

Relevant projects and experience

Waterbank Precinct, WA

ESD consultant and submission management for the Green Star Communities Pilot V0.2 project. The development is aspiring to achieve a 6 Star Green Star Communities rating. The precinct consists of the redevelopment of the riverside into a vibrant social, residential, commercial and sustainable developed precinct.

Shenton Park, WA

ESD consultant and submission management for the Green Star Communities Pilot V0.2 project. The site is 15.8 hectares and is contained on a reserve allotment. The project has the potential to deliver a substantial amount of medium to higher density dwellings, retail and commercial floor space and is targeting a 5 Star Green Star Communities Rating.

15 Rosewood Avenue, Broadbeach, QLD

ESD Consultant conducting an ESD Planning Statement on a multi-unit residential development comprising of 144 residential units. The Planning assessment required NatHERs thermal modelling of the apartments and a proposed Green Star Pathway to demonstrate how the development could achieve 4 or 5 star Green Star Multi-Unit Residential design rating.

Relevant Experience

Cundall have worked on over 100 certified Green Star projects across Australia. The following is only a small sample of the projects we have successfully delivered for our clients. Please contact us if you would like to know more about any of the projects below or the many others we are current working.



Antias Jackson's Landing, Pyrmont, NSW

Client Vivas Lend Lease
Architect Tonkin Zulaikha Greer
Services Sustainable design

Certified 4 Star Green Star Multi Unit Residential.

Key attributes: Improved thermal comfort, high levels of natural daylight, smart metering, solar PV



Bowden Information Centre, SA

Client Renewal SA
Architect Arketype
Services Sustainable design

First Certified 5 Star Green Star (Interiors) rating at the Bowden site.

Key attributes: efficient fixtures and fittings, low environment impact finishes



Quins Redevelopment, Port Adelaide, SA

Client Acdev Property Developers
Architect Hames Sharley
Services Sustainable design

Extensive onsite renewables achieving 'carbon positive' outcome

Key attributes: Adaptive reuse, solar PV, BIPV, fuel cells



Union Balmain Sydney, NSW

Client ANKA
Architect Turner Studio
Services Sustainable design

Certified 5 Star Green Star Multi Unit Residential.

Key attributes: Rooftop gardens, efficient appliances, improved insulation, solar hot water, smart meters



Zero Carbon Challenge House, Adelaide, SA

Client Renewal SA
Architect TS4 Architecture
Services Sustainable design, carbon footprinting and project management

Award winning zero carbon housing.

Key attributes: Carbon neutral, 7.5 Star NatHERs rating, solar PV, solar hot water, lifecycle assessments, low impact materials, passive design



DHA Fremantle Apartments, WA

Client Defence Housing Australia
Architect HASSELL
Services Sustainable design

Certified 4 Star Green Star Multi Unit Residential.

Key attributes: High performance facades, lifecycle assessments, solar PV, smart metering