Where social and environmental sustainability converge...

Action Sustainability
Built Environment Services
Introduction

Action Sustainability is a progressive advisory firm that specialises in sustainable infrastructure and property. Our point of difference is a personalised and tailored approach to sustainability services, enabling great outcomes and a higher quality product. We collaborate to bring innovative methods and global expertise to organisations operating in the built environment. Action Sustainability provides end to end sustainability services from concept vision and strategy services, design assistance, through to implementation and operation. We also provide enabling platforms and tools on sustainability performance management and eLearning.

Vision and strategy services

The importance of a clear vision and robust strategy cannot be understated. We assist clients to determine their vision and values around sustainability and wellbeing, dependent on their needs. Our approach is outcomes led, supported by sound science, and delivers economically viable results.

- Sustainability vision and strategy
- Sustainability frameworks and management plans
- Strategy utilising science based targets
- Procurement and supply chain strategy
- Sustainable master planning

Our technical services

Action Sustainability provides technical and ESD services for infrastructure and building projects. We collaborate with our clients and are adept at working on major projects in multi-disciplinary teams. Our talented global team brings international experience gained in the UK, Australia, Asia and Canada and can operate in multiple languages. Our technical capabilities include the following skills and accreditations.

Rating tool and standards expertise

- Green Star, ISCA, WELL Building Standard, NABERS, CEEQUAL, BREEAM, ISO 20400

Sustainability Management and Performance

- Sustainability strategy and management planning
- Sustainability Tool – performance dashboard
- Climate change risk
- Carbon footprinting
- NABERS energy and water modelling
- Whole of life analysis
- Life Cycle Assessments (LCA)
- Life Cycle Costing Analysis (LCCA)
- Sustainable procurement and materials advice
- Local content and workforce planning
- Community benefit optimization and SROI
- Sustainability training and in-house eLearning

Technical modelling capability

- Energy and water
- Daylight and glare
- Thermal comfort

Compliance

- NCC Compliance and JV3 modelling

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### Selected Project Experience

**Transport for New South Wales Strategy, planning and modelling.** Multiple engagements providing advisory and implementation support on several key engagements. Current projects include procurement accreditation across TfNSW and local content/workforce planning for the regional rail project. Previous project experience includes Newcastle Light Rail strategic support, development of the strategic sustainability KPI Framework and a number of whole of life engagements.

**London 2012 Olympic Games Strategy, advisory and performance management.** London 2012 set a new benchmark in sustainability delivery in the UK. Action sustainability team members worked on London 2012 in several roles across the Olympic Delivery Authority (ODA) and the London Organising Committee for the Olympic Games (LOCOG). Shaun McCarthy of Action Sustainability was the Chairman for the Commission for a Sustainable London 2012, a ground-breaking assurance body directly advising the Mayor of London and Olympics Minister [www.cslondon.org](http://www.cslondon.org).

**Coca Cola Place, North Sydney, Australia.** Alistair was responsible for managing the sustainability strategy for the project (whilst at Cundall). The project achieved 6 Star Green Star Office Design and As-built rating and a 5.5 Star NABERS Office Energy rating. The building is the first virtual electricity network for commercial office buildings in Australia.

**Thameslink—Strategic Sustainability.** Action Sustainability have worked with the Board, sponsors and Sustainability team since 2012 providing strategic sustainability advice across a number of programs. Actions sustainability drafted, consulted and finalised the sustainability strategy including objectives and targets. Worked with supply chain partners and internal stakeholders to explain and support strategy implementation. Supported high performance in CEEQUAL delivery across a number of projects including Farringdon and London Bridge stations.

**Carillion and Network Rail.** Action Sustainability developed strategies for Sustainable Procurement and Employment, Skills & Training for Network Rail’s East Midlands mainline (IPEM), currently being upgraded by a consortium of contractors including Carillion, Amco, Murphy’s and Galliford Try. The work involved consensus building on achieving a consistent approach to these aspects of sustainability across all the partners. Action sustainability also helped design their corporate ISO 14001 programme and developed their sustainability report.

**Infrastructure Sustainability Council of Australia Procurement advisory and IS 2.0 standard development.** Action Sustainability provided advice and expertise in the development of the procurement category for the ISCA IS 2.0 version of the tool. Working with industry partners in Australia and New Zealand to ensure that the procurement credits in the tool are driving measurable change and that the tool is fit for purpose for the next generation of infrastructure projects. This work has also supported the development and alignment with the workforce development credits in IS 2.0.

**Sydney Metro Green Star, ISCA and sustainability planning.** Whilst at Edge, Danielle was responsible for managing the sustainability strategy and sustainability response for the Sydney Metro winning NWRL bid team. Developed the ISCA and Green Star strategy as well as inputting sustainability requirements across the design of the project. The project targeted ISCA excellent across the infrastructure product. It also has high standards in local and indigenous procurement and workforce development.

**CECA Fairness, Inclusion and Respect.** Action Sustainability supported CECA in the development of a Fairness, Inclusion and Respect Toolkit for the Construction Industry. The team initiated and coordinated a Steering Group, comprising supply chain leaders and HR/diversity leaders from client organisations and contractors to oversee the development of the toolkit materials. The project developed a website to host the materials and developed eLearning modules, short films as well as organizing launch events.
Alistair has almost 20 years’ experience providing sustainable solutions in the property and infrastructure industry. His experience spans all aspects of the property life cycle including setting strategies, designing innovative solutions, reducing risk, and advising through monitoring and verification stages. Alistair has developed passive and active design solutions for precincts and buildings of varying types and uses and have worked on many major world class, award winning projects including Barangaroo, Rouse Hill Town Centre and Coca Cola Place.

ISO 20400 Strategic Workshops Strategy, planning and modelling. Multiple engagement Action Sustainability led the Australian and UK delegations for the development of the ISO 20400 which was released in May 2017. We deliver strategic procurement and ISO 20400 training and gap analysis to several clients in a variety of sectors and geographies across Asia, UK, and Australia currently. Action Sustainability have developed a website ISO20400.org to host the ISO 20400 materials online.

Northern Beaches Hospital. Alistair led the team and provided sustainability services for a new 70,000m² public and private hospital at Frenchs Forest, NSW (whilst at Cundall). The new state of the art facility requires a 4-star Green Star Design and As-Built rating and NCC improvements above and beyond compliance. The facility will include high levels of daylight, energy efficient plant and a cogeneration system providing energy and hot water to the facility.

Rail Safety Standards Board (RSSB). Action Sustainability undertook a detailed review of over 50 embodied carbon tools on the market to advise the UK rail industry on the most appropriate tool to use to enable standardisation of embodied carbon analysis and benchmarking. Our advice to use the Atkins tool was accepted and has been widely adopted by the industry as a whole.

Danielle Mulder is an experienced sustainability leader specialising in the field of sustainable infrastructure and property. Her experience includes: London 2012, GOLDOC 2018, Sydney, Melbourne Metro, Sydney and Newcastle Light rail, as well as a number of major road projects which include NorthConnex and WestConnex.

Danielle worked in finance as a strategic sourcing expert prior to working in sustainability. Danielle is a whole is a whole of life measurement specialist where she combines financials with environmental impacts (life cycle analysis) and social return on investment models.