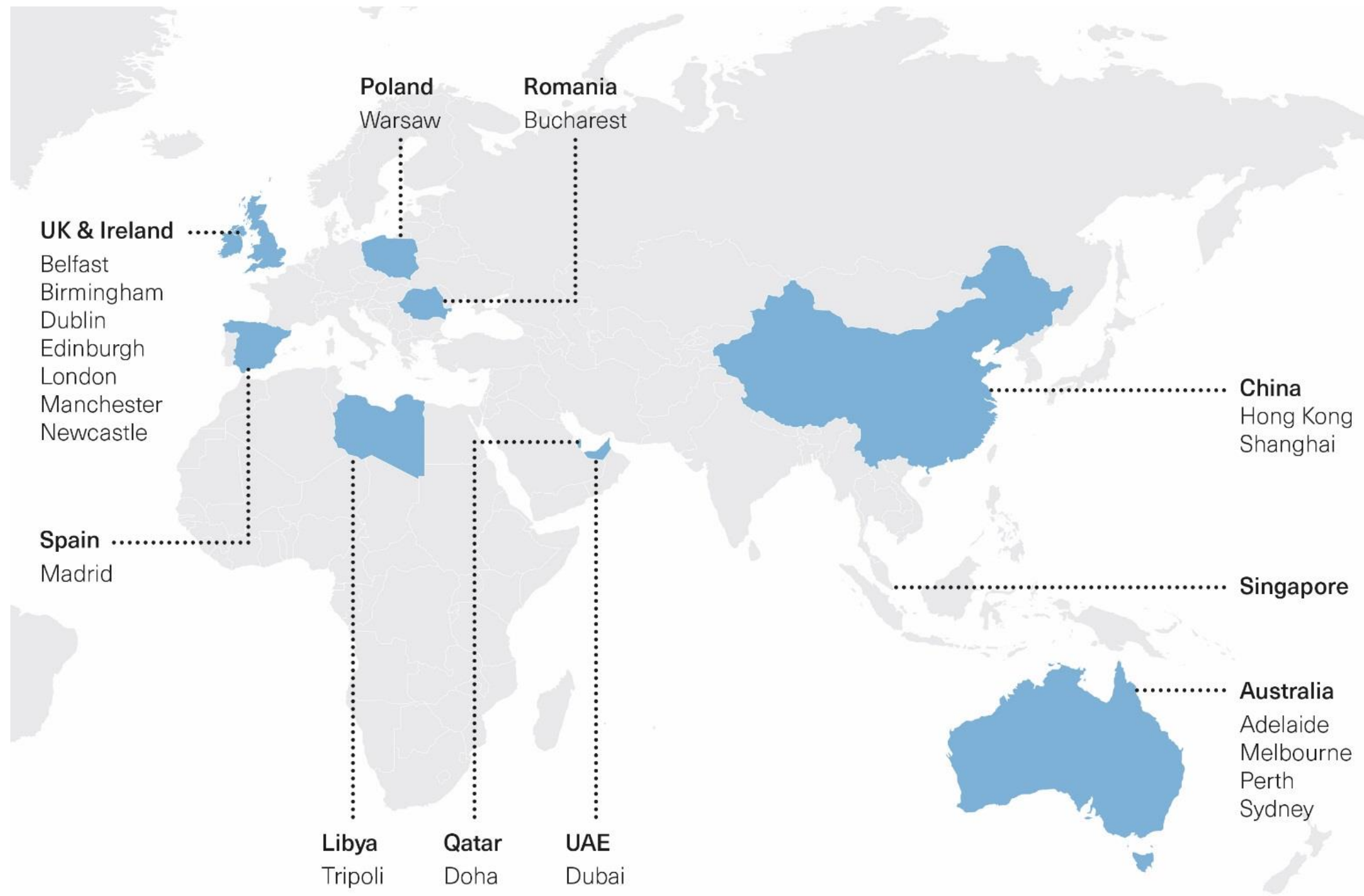




CUNDALL

Cundall

Sustainable Office Move



- **Established for 40 years and in Australia since 2003**
- **20 offices in 12 countries and 750+ staff**
- **Innovative design solutions**
- **Award winning projects**

ESD Consulting

- Sustainable Reports for Planning
- ESD Targets & Strategy Development
- Embodied Carbon & Life Cycle Assessments (LCA)
- Climate Change Adaptation reports
- Green Star & LEED Ratings
- NABERS Assessments
- One Plant Living strategies
- Social Return on Investment (SROI)

Acoustics

- Building Services Noise and Vibration Control
- Planning and Green Star Reports
- Environmental Noise
- Noise Monitoring and Measurement
- Computer Modelling and Mapping
- 3D BIM Auralisation
- Architectural Acoustics

Building Physics

- Urban Comfort Studies
- Outdoor / Indoor Thermal Comfort
- Computer Fluid Dynamics (CFD)
- Daylight Modelling
- Solar Glare & Control
- Energy & Greenhouse Emission Modelling

Building Services Engineering

- Mechanical
- Electrical
- Hydraulics
- Fire
- Vertical Transportation
- BIM

About Cundall

CUNDALL



Aged Care



Education



Government



Healthcare



Industrial



Lifestyle



Masterplanning and infrastructure



Residential



Retail



Workplace

About Cundall

CUNDALL



SA Water House



South Australian Health & Medical Research Institute (SAHMRI)



Health Innovation Building, UniSA



New Royal Adelaide Hospital (nRAH)



Air 7000, RAAF Edinburgh



Zero Carbon Challenge House, Overall Winner and People's choice award



Quins redevelopment, Port Adelaide



Westpac House

- Lead Building Services in Adelaide
- Experience in Adelaide, Bristol, London, and Sydney
- Energy efficiency and commercial pragmatism
- Focus on improving existing buildings



Kings Cross Office Development - London



Sydney Airport



Flinders University at Tonsley



Sydney Opera House

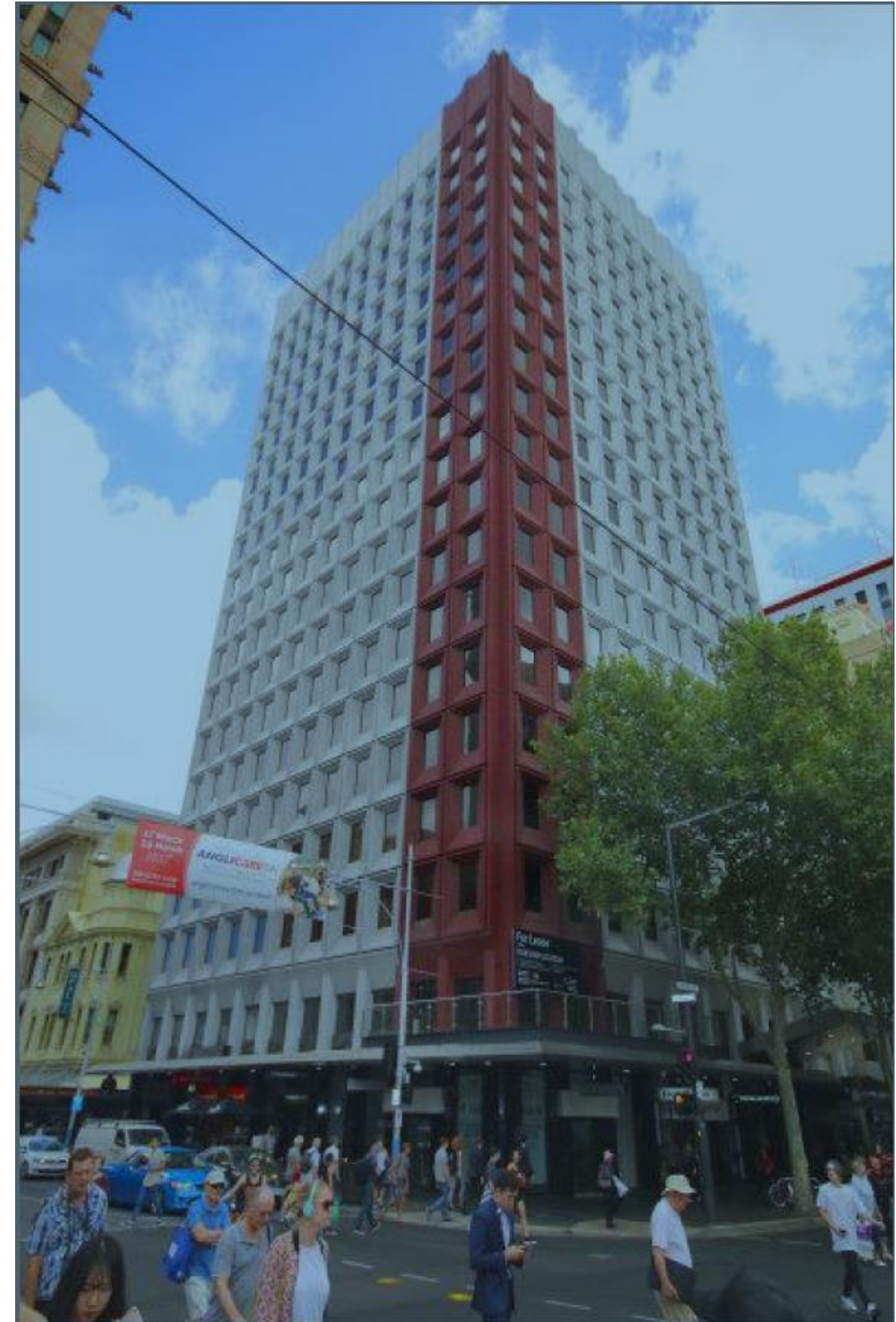
Traditional Drivers

- Location
- Size
- Cost
- Aesthetics

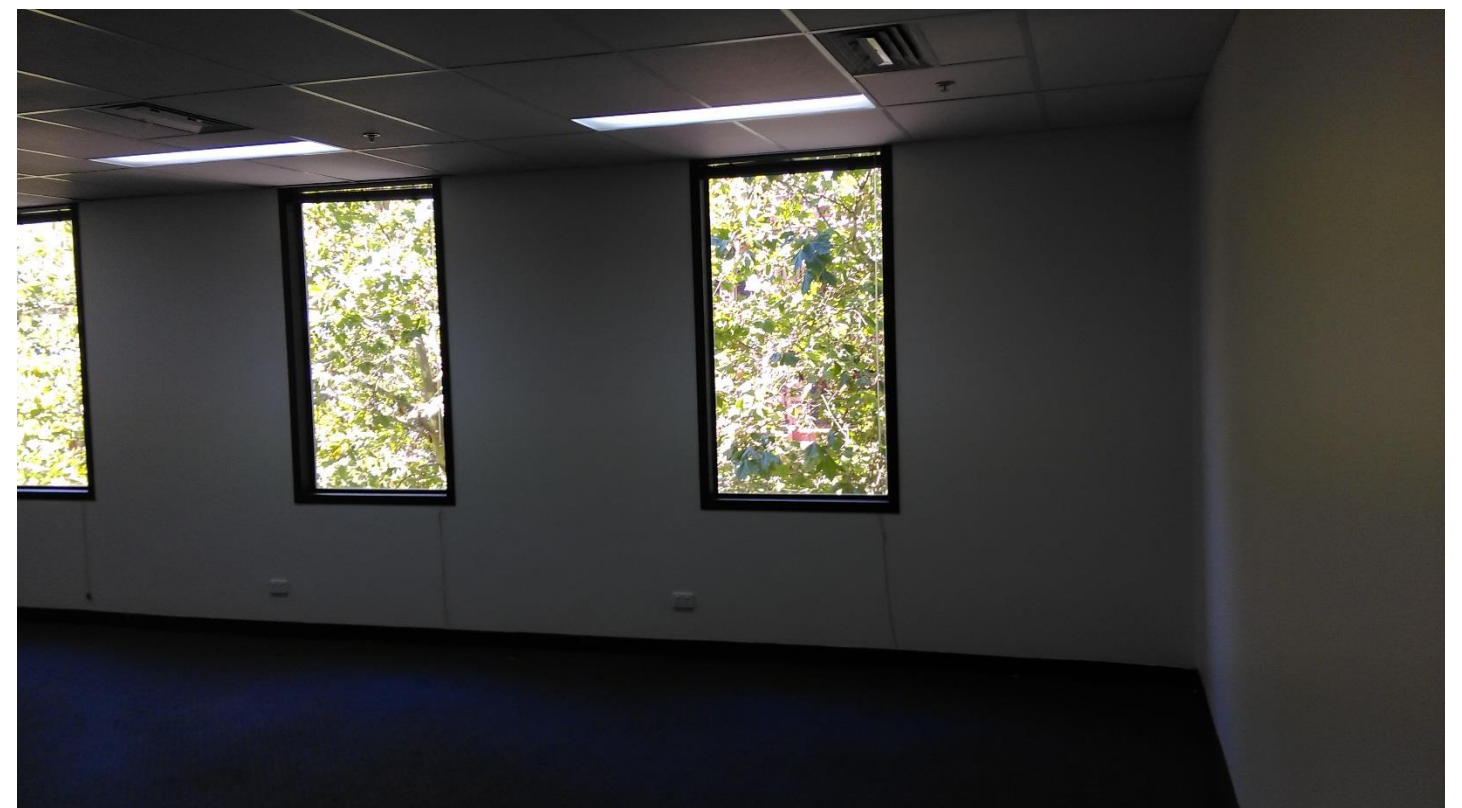
Our Sustainability Drivers

- Embodied Carbon
- Daylight Access
- Opportunities to save energy

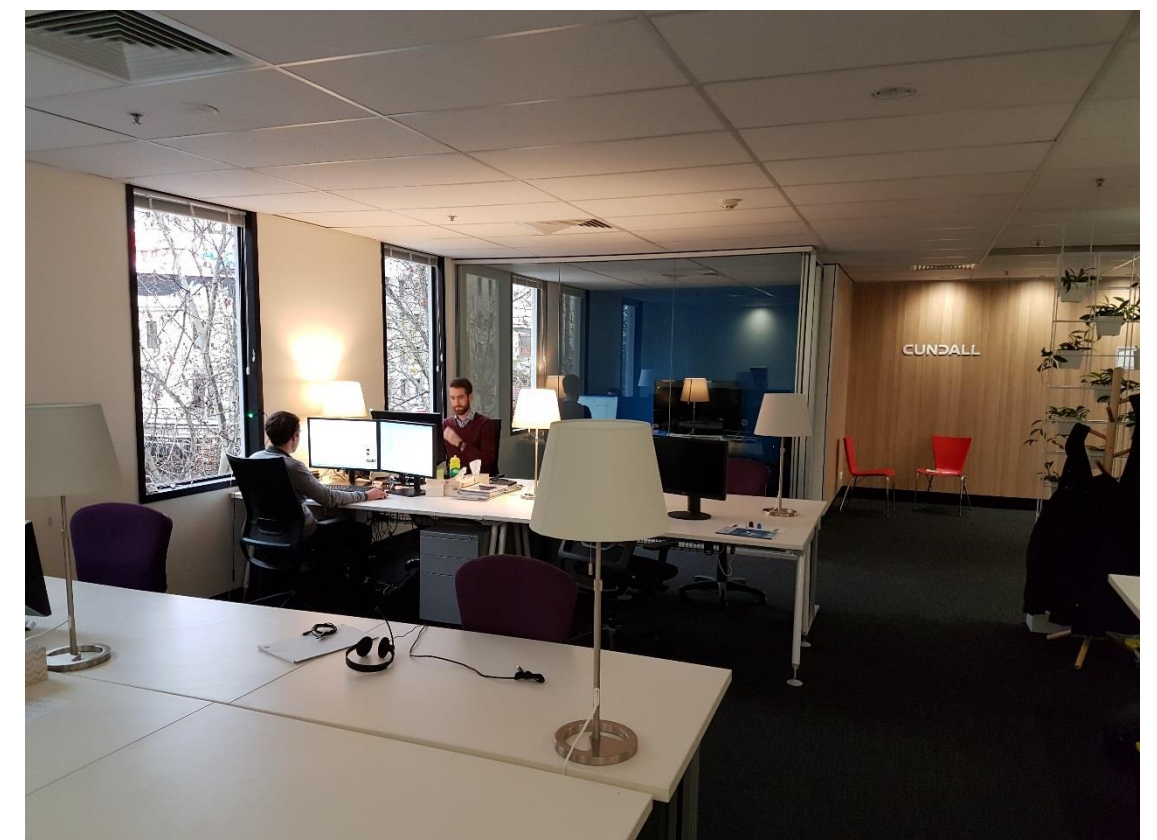
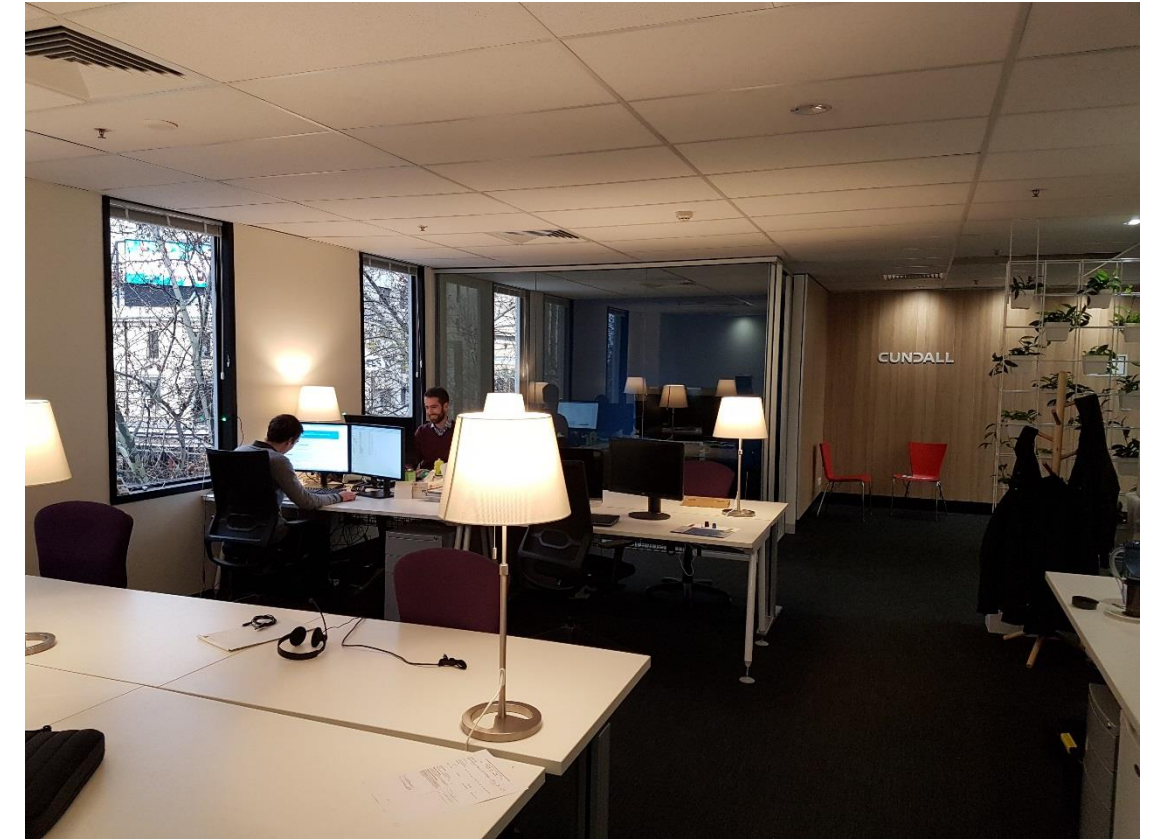
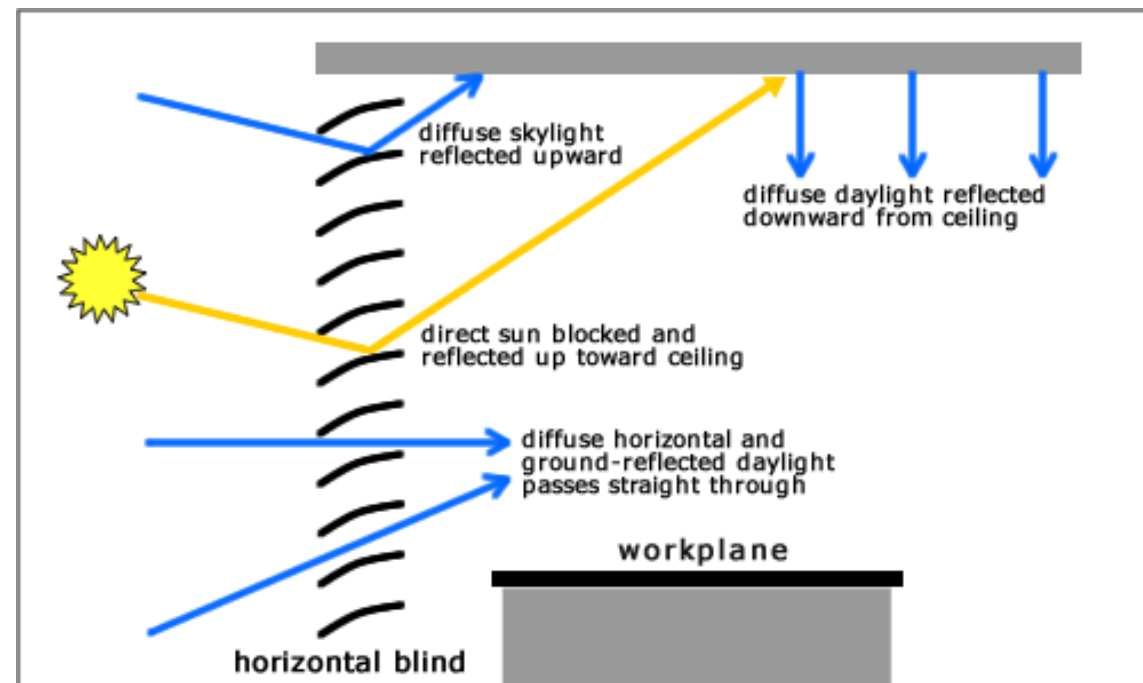
- 45 year old building
- Reasonable levels of glazing
- Significant opportunity for energy savings
- Energy Productivity Program Opportunity
- Audit under way – identified zero cost control optimisation that will save >\$30k PA



- Good daylight access – all workstations within 3.6m of a window
- Deciduous trees allowing for good daylight in winter
- Generally worn finishes and inefficient lighting



- Access to expert designers but limited budget
- Task lighting strategy
- Venetian Blinds for daylight control
- Recycled furniture
- Targeting 6 Star NABERS tenancy rating



Any Questions?