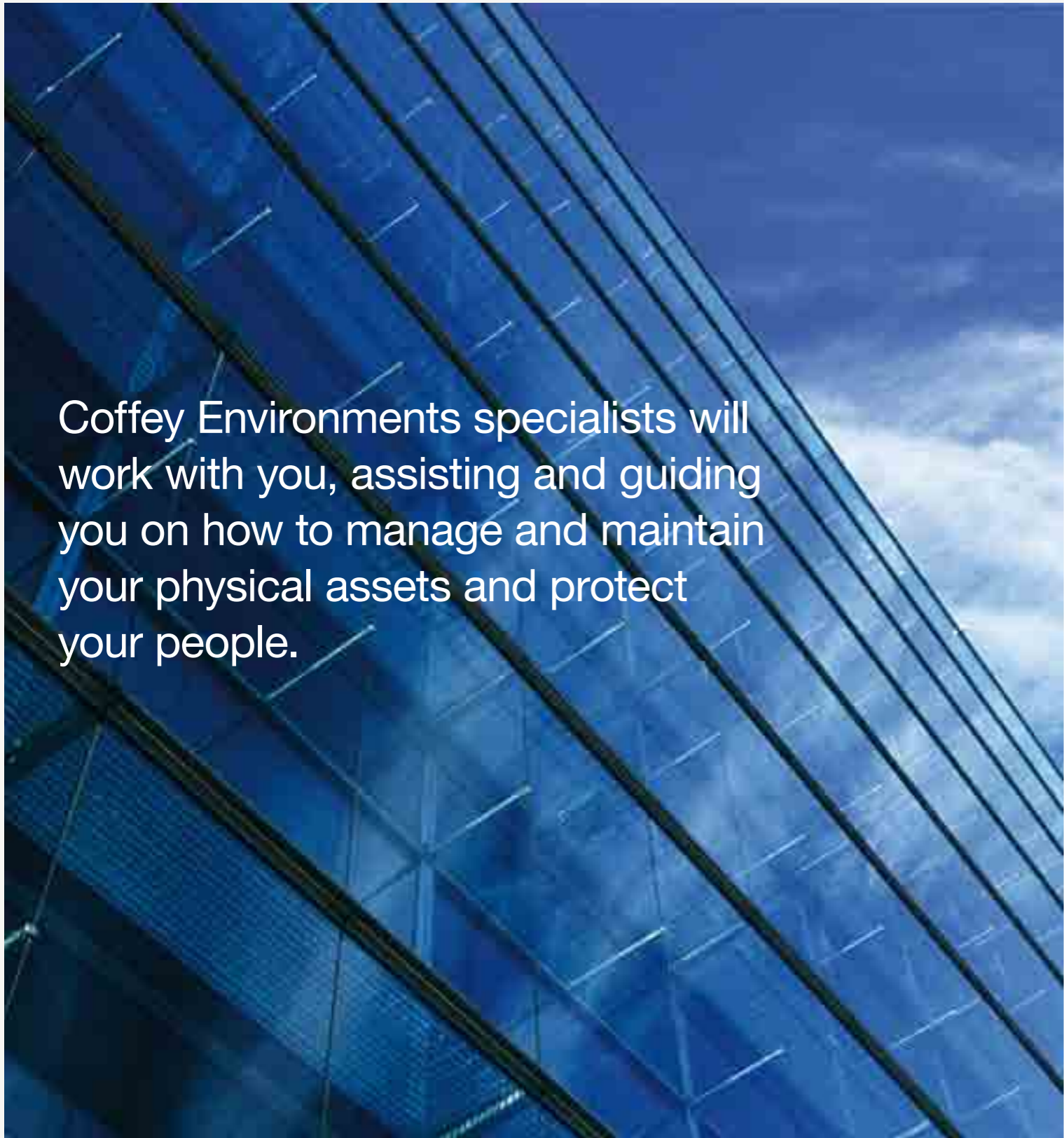


**SUSTAINABLE ENGINEERING SERVICES**





Coffey Environments specialists will work with you, assisting and guiding you on how to manage and maintain your physical assets and protect your people.

**SPECIALISTS IN THE DELIVERY OF SUSTAINABLE BUILDING AND PROPERTY ENGINEERING SERVICES**

Coffey Environments is a leader in the delivery of building and property related engineering services and is established as a specialist in living and working places. Our sustainable engineering services include building services design, fire safety and risk engineering, waste, water and energy management programs.

Operating in all Australian states, territories and the Asia Pacific region, Coffey Environments, employs a team of specialists, delivering professional and sustainable engineering solutions to a wide variety of business sectors.

**EXCEEDING CLIENTS EXPECTATIONS**

Our business success lies in our ability to meet and exceed our clients expectations. We listen to what our clients want to achieve and then use our expertise to provide advice and solutions that are both innovative and practical.

Coffey Environments ability to understand customers' needs and deliver desired outcomes is evidenced by the development of long-term working relationships, repeat business and referrals to others requiring specialist engineering assistance.

Our specialist team includes engineers in mechanical, electrical, systems, communications, risk and fire safety disciplines. Our team has also acquired formal qualifications and registrations to enhance their specialist status, including;

- Registered Building Practitioners
- Registered Fire Safety Engineers
- Registered Cooling Tower Systems Auditors,
- AIRAH Accredited Energy Auditors

Our energy management methodology and support tools provide a basis for on-going and successful energy management programs – reducing energy consumption and greenhouse gas emissions.

To develop and maintain environmentally sustainable living and working environments, we have Green Star, ABGR, NABERS and First Rate accredited professional staff on our team.

**DEVELOPING SOLID RELATIONSHIPS**

Our business continuity depends on developing and maintaining strong and long-term relationships with all our clients. To do this, we work with our clients throughout the project life cycle ensuring the client remains informed of job progress and of important issues that need to be addressed as they arise.

A key component of our clients focussed delivery rests with “keeping the clients informed – no surprises.”

Whenever we deliver a project successfully, we are confident our clients will want to use our services again and endorse our capabilities to others.

Our philosophy is to develop solid relationships



## ENGINEERING SUSTAINABILITY IN THE WORKPLACE

Coffey Environments provide a range of specialist engineering services that contribute to the development of sustainable living and working environments. Our services make living and working environments fit for purpose and safe and healthy, thereby minimizing risk for occupants, building owners and managers, including visitors to these premises.

Our services ensure that these environments comply with legislation, building codes and Australian standards. Whether it be energy or water consumption, maintenance of cooling towers, storage and handling of dangerous goods or the management of fire risk; building owners have an obligation to comply with these regulatory requirements. Failure to comply or mitigate technical and operational risks can result in both civil and criminal penalties.

Our services contribute to environmentally sustainable development and protection of the environment for future generations. Energy and water programs save money, save scarce resources and reduce greenhouse gas emissions, whilst HVAC / refrigerant management programs reduce the risk of further damage to the ozone layer.

We deliver our services as discrete elements or as an integrated “package” of services. When undertaking projects, Coffey Environments identify opportunities to incorporate environmentally sustainable development principles into building planning and design, as well as during fit out and refurbishments works.

Over many years the businesses that now form Coffey Environments have gained a reputation for professional expertise and the ability to deal with complex building services issues. The Sustainable Engineering Services Group provides professional engineering services that deliver practical, timely and cost effective solutions.

Our specialists will work with you, assisting and guiding you on how to manage and maintain your physical assets and protect your people.

## OUR COMMITMENT TO EXCELLENCE

To retain our specialist knowledge, we encourage all staff to continue their professional education and play an active role in the development of industry best practice.

Our engineers regularly participate in industry forums and advisory boards to contribute to the development of industry standards and knowledge, and to contribute to initiatives that will improve the living and working conditions of the community at large.

Our involvements include:

- Chair and member of working groups for the development of Energy Provisions for the Building Code of Australia (BCA)
- Practitioner member of the Victorian Building Control Commission Cooling Tower Advisory Group
- Member Commonwealth Government HVAC High Energy Efficiency Strategy Group
- Committee Member Young Engineers Australia – Victoria.

Our expertise in analysing energy and water consumption produces resource saving initiatives that are cost effective and realistic to implement.



POWER

### By partnering with Coffey Environments

- Risks are bought under control
- Compliance obligations are addressed
- Environmentally sustainable operations are achieved
- Our clients are assisted to maintain a safe working environment.

### Coffey Environments will

- Listen and understand your project requirements
- Allocate specialist staff to your project
- Communicate effectively
- Deliver timely, cost effective, fit for purpose outcomes.

### SERVICING BUSINESS SECTORS

Coffey Environments offers specialist engineering services to all business sectors:

- Federal
- State and Local Government
- Building and Construction
- Commercial and Industrial Property
- Defence
- Aviation
- Agriculture
- Manufacturing
- Marine
- Transport
- Petroleum
- Oil and Gas
- Financial
- Medical
- Health
- Education
- Mining

## PROPERTY ENGINEERING SERVICES

### Building Engineering Services

#### Mechanical

- Design and documentation of building engineering services
- Assessment and performance analysis of mechanical services
- Building condition audits
- OHS and legislative compliance (ventilation, layouts, hazardous zones)
- Risk management studies
- Special purpose facilities design and documentation (laboratories)

Coffey Environments staff are Registered Building Practitioners.

#### Hydraulics

- Hydraulics design for office fit-out and building refurbishments
- Multi-storey sanitary plumbing and water supply
- Design of small sewage treatment plants and systems

#### Electrical

- Assessment of electrical supplies for sites
- Design and documentation for electrical systems
- Energy Management
- Design for high voltage, low voltage, security and CCTV systems and process instrumentation

#### Structural

- Building condition assessments (external)
- Construction certification for HVAC and fire safety engineering
- Geotechnical assessments

### Fire Safety & Risk Engineering

- Audits, risk assessments and fire modelling
- Design and documentation of fire detection and suppression systems
- Fire initiation and development
- Smoke hazard management
- Egress analysis and risk to life assessments
- Evacuation plans

Coffey Environments staff are Registered Fire Safety Engineers.

### Waste Management

- Master planning and project briefs
- Design, documentation and project management of waste treatment plants
- Assessment and performance analysis of treatment plant and infrastructure services
- Risk Management studies
- Waste classifications and waste disposal programs
- Environmental Improvement Programs
- OHS and legislative compliance

Coffey Environments is a member of:

- SA Department of Transport, Energy and Infrastructure – Waste Management Consultants Panel.

### Cooling Tower / Legionella Management

- Development and audit of risk management plans
- Design and project management of rectification works
- Specialist technical advice and expert witness

Coffey Environments are Registered Cooling Tower Auditors.

## ENERGY MANAGEMENT

- Audits and Energy Management Programs
- Building case development and implementation of energy savings initiatives
- Rating systems assessments – ABGR, NABERS, Green Star and First Rate
- Reporting – Greenhouse Plus, Triple Bottom Line, EDGAR and OSCAR
- DUES Energy Plans
- Energy Efficiency Opportunities Program
- Energy performance contracting

Coffey Environments staff are Registered AIRAH Energy Auditors, Accredited ABGR, NABERS, GreenStar and First Rate Assessors.

Coffey Environments is a member of:

- NSW Department of Education and Training – Energy Management Consultants Panel
- SA Department of Transport, Energy and Infrastructure – Energy Management Consultants Panel

## UTILITIES MONITORING

- Energy and water reporting
- Invoice management, verification and reporting
- Demand (actual & contract) monitoring and management
- Tariff analysis
- Automatic meter reading
- Real-Time and internal consumption reporting
- Performance reporting against targets/budgets/KPI's
- Expert advice on utility data management

## WATER MANAGEMENT

- Audits, analysis and water management action plans
- Assessment and implementation of water savings initiatives
- Metering design
- Cooling water systems design and management
- Stormwater and wastewater design

Coffey Environments is a member of:

- City West Water – Water Conservation Solutions Panel
- Barwon Water - WaterMAP Service Providers Panel
- NSW Department of Education and Training – Water Management Consultants Panel
- SA Department of Transport, Energy and Infrastructure – Water Management Consultants Panel

## HAZARDOUS MATERIALS & DANGEROUS GOODS

- Risk management studies and hazard identification
- Laboratory risk assessment
- Compliance audits
- Design and documentation for storage and handling

## ENVIRONMENTALLY SUSTAINABLE DESIGN

- Sustainable design services for building planning and design, fit out and refurbishment
- Environmental audits and management systems development and implementation





A Coffey International Limited company

Stock: Tudor RP 100% Recycled is Australian made, Certified Carbon Neutral and Greenhouse Friendly by the Department of Climate Change and Energy Efficiency. FSC Certified and has ISO 14001 Environmental Certification.

