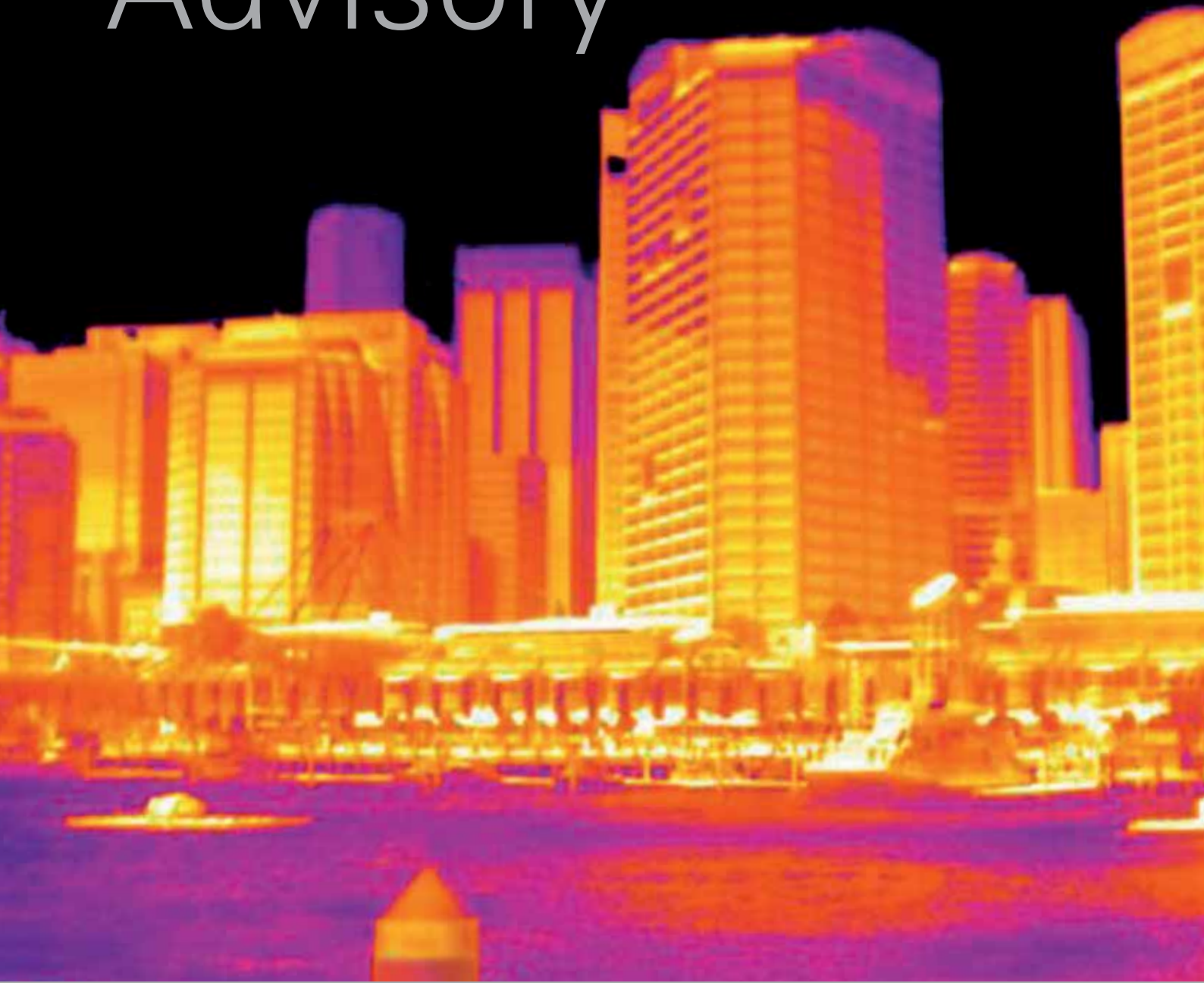


A.G. COOMBS

# Advisory



+ PRACTICAL TECHNICAL SERVICES  
ACROSS ALL BUILDING SYSTEMS



A.G. Coombs

# Advisory provides technical services across all building systems. From concept development, design, specification, installation, commissioning to ongoing operation and maintenance of all building systems.

To support this capability, Advisory taps into over 65 years of experience in designing, delivering, operating and maintaining the technical systems of many of Australia's leading buildings.

## Leading Specialists

Key to Advisory's capabilities is our people. Industry leading specialists in all the technologies found in modern buildings. Experienced in commercial buildings, healthcare, educational, entertainment and industrial facilities, data centres, campus and precinct developments.

## Whole of Life Understanding and Ongoing Support

Buildings are created to support the activities they contain. Advisory seeks to understand the business in your building and the role the building and its services play in your success.

Advisory knows that buildings are dynamic environments and has a detailed understanding and experience at every stage in the building's lifecycle.

Advisory provides ready access to multidiscipline industry expertise and will bring a strong focus to your building and its systems.

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## Whole of Life Building Services

Providing impartial advice at any stage of a building's lifecycle.

A.G. COOMBS ADVISORY

CONCEPT

DESIGN

ENGINEER

CONSTRUCT

COMMISSION

WARRANTY

SERVICE & MAINTAIN

OPERATE & MANAGE

DECOMMISSION



A.G. Coombs



# Technical Advice

The efficient and safe operation of modern buildings fundamentally depends on a range of integrated technologies. A.G. Coombs Advisory is a leading provider of dependable expert advice and ongoing support across all systems throughout their lifecycle.

- Air conditioning and mechanical systems
- Building automation and control systems
- Electrical power including uninterruptable and standby systems, photovoltaics
- Lighting technologies and controls
- Fire suppression systems, sprinkler, gaseous, water mist, foam
- Fire detection and alarms
- Hydraulic systems
- Specialist systems

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## + System Troubleshooting and Upgrades

- System fault finding
- Rectification, upgrade and replacement advice
- Maintenance reviews
- Compliance reviews
- Energy metering and reporting

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## + Change Management

- Asset and lifecycle planning, budgeting and reporting
- Multi building / portfolio change program development and program management
- Energy efficiency programs
- R22 refrigerant phase out
- Maintenance reviews
- Base building technical support
- Integrated Fire Mode Testing programs and delivery

# Energy Services

Improving energy efficiency and reducing exposure to rising energy prices is important for many organisations. From a fundamental understanding of how building services components and interdependent systems use and waste energy, A.G. Coombs Advisory has a suite of well proven methodologies to reduce energy consumption and cost.



## Energy Efficiency Advice and Upgrade Management

- Technical assessments for savings potential
- Testing and monitoring
- Energy and cost modelling services
- Data Centre PUE assessments
- Implementation planning; design, specification, procurement
- Project Management; technical and non technical elements



## Energy Metering Systems

- Metering systems design and specification
- Installation standards, protocols and validation
- Metering and reporting systems for NABERS and environmental rating tool certification



## Energy and Carbon Reporting

- Comprehensive reporting tools and reporting
- Validated energy accounting tools and reporting systems to international protocols for EPC's, NGERs and EEO reporting



## Building Energy Optimisation Programs

- Analysis of existing system performance
- Optimisation programs
- BMCS tuning and monitoring upgrades
- Comprehensive reporting tools



## Energy Supply Alternatives

- Cogeneration, Trigenation, Fuel Cell, Solar Thermal, Solar PV
- Feasibility studies, detailed budgeting and benefits analysis
- Design, installation, and project management
- Operational and maintenance regimes
- Technology independent advice and ongoing support



## Energy Efficiency Maintenance and Operations

- Operational strategies for complex energy systems
- Energy efficiency focused maintenance strategies

# Project Services

A.G. Coombs Advisory offers independent and senior multidiscipline expertise in supporting technical projects and in managing and assuring the commissioning and delivery of projects with critical performance and environmental outcomes.

As an independent part of the A.G. Coombs Group, the Advisory team provides impartial advice to support your building project.

+

## Design Review

- Value engineering
- Constructability reviews
- Commissioning reviews
- Documentation process and protocols

+

## Commissioning Management

- Complex data centre and other critical environment projects
- Large scale developments with challenging technical outcomes
- Projects with tight timelines and high performance requirements
- Factory acceptance testing

+

## Building Information Modelling and Model Management

- BIM modelling and model management
- Building information strategies
- Building information management services
- BIM execution planning

+

## Green Star Independent Commissioning Agent

- Detailed 'constructability' and 'commission-ability' design reviews
- Sophisticated commissioning assurance system applied to all parties
- Building tuning overview and assistance

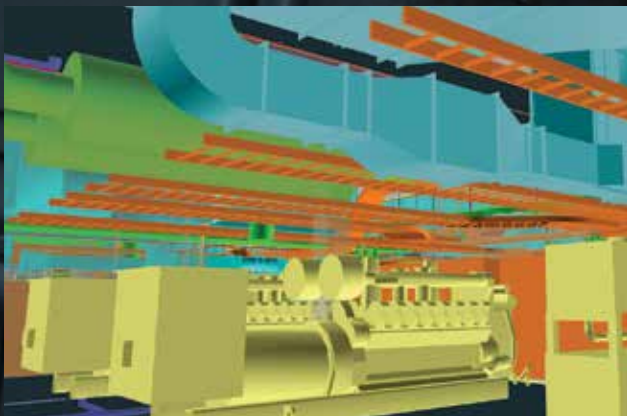


Image courtesy of Mugley

A.G. COOMBS

# Advisory



## Credentials

- Over 65 years experience in designing, delivering, maintaining and supporting technical building systems
- Multidiscipline expertise; HVAC, mechanical services, fire protection, hydraulics, electrical and building technologies
- Vendor independent technology advice and support throughout system lifecycles; design through to operation and maintenance
- Proven track record in commercial buildings, healthcare, educational, entertainment and industrial facilities, data centres, campus and precinct developments



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