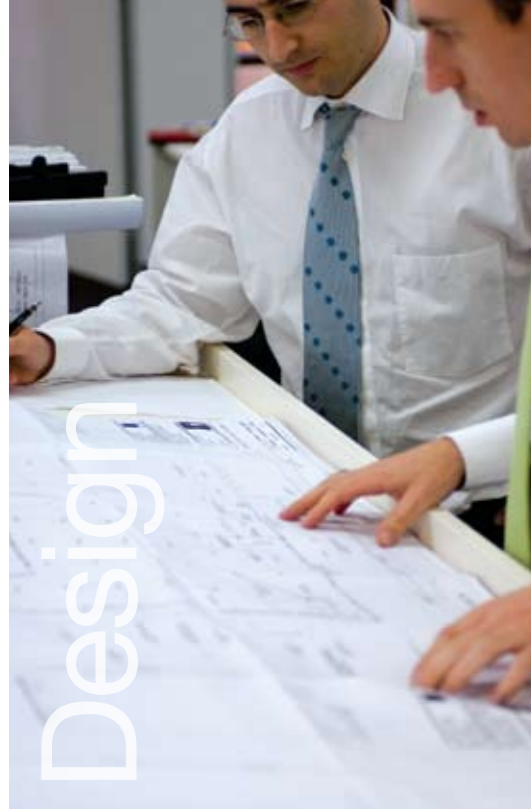


SUSTAINABLE HVAC & R SYSTEMS



Designing environmental efficiencies into HVAC & R.
Haden are your partners in sustainable mechanical solutions.

HADEN



Design

ENERGY EFFICIENCIES AND ENVIRONMENTAL SUSTAINABILITY



Construct

PARTNERS IN SUSTAINABLE SOLUTIONS

Haden's Greenstar accredited professionals drive our culture of sustainable practices. As active members of the Green Building Council of Australia, our commitment to Environmental Sustainable Design (ESD) is integrated into all of our new and built environment design and servicing processes.

DESIGN

Inefficiencies in control logic, poor maintenance, aging plant and obsolete technologies deliver hidden and unnecessary costs, both environmentally and financially.

Our Greenstar accredited engineers design environmental efficiencies into your mechanical systems while reducing your operational expenses:

- designing innovative energy efficiencies into your HVAC system
- collaborating with innovative consultants and maintaining awareness of emerging technologies
- reviewing existing installations to enhance their energy efficiency and reduce waste
- whole of life planning and costing.

CONSTRUCT

With every project, Haden's experience and exposure to a diverse range of ABGR and Greenstar rated projects continues to grow.

- Complete project team collaboration with architects, structural engineers, service engineers and contractors to ensure a fluid flow of information.
- Partnering during construction and commissioning.
- Retrofits and upgrades to plant and equipment with more energy and environmentally efficient systems.
- Design, construct and service incorporating energy reduction strategies to achieve improved performance.
- Innovative project management and delivery methods; direct contract arrangements, alliances and partnerships, multi-servicing arrangements.

At Haden, our credentials and experience support our claims:

- Members of Engineers Australia
- Accredited Greenstar engineers
- Attaining Environmental Standard ISO 14001 accreditation
- New Haden branches designed and leased with ESD principles in mind.
- Haden Head Office Sydney has recently achieved a 4 Star ABGR accredited rating.



Maintain

MARKET LEADERS IN SERVICE AND MAINTENANCE

MAINTAIN

Reducing our HVAC impact on the environment

Haden is sensitive to the impact a building's HVAC system has on its carbon footprint. Mechanical services are one of the key consumers of energy and water in any building during operation.

We take our duty of care and environmental responsibility very seriously:

- We design effective maintenance schedules, economy cycle reviews and condition monitoring packages.
- Specialised technicians and engineers identify inefficiencies and communicate potential energy savings to building owners and managers.
- Training strategies ensure technicians are abreast of environmental standards and codes.
- Arctick accredited. We use environmentally superior products where possible and dispose of waste according to regulations.

Strategically aligning with environmental leaders

Designing environmental savings and solutions can only be achieved by reviewing our entire service lifecycle. Haden actively seeks alliances with like-minded companies:

- **PowerPax** - Haden are Authorised National Service Providers for Powerpax's leading edge, energy-efficient technology including the revolutionary Turbocor oil free centrifugal compressors.
- **Ductclean Australia** provides environmental cleaning services to commercial HVAC & R systems. Cleaner air handling and distribution systems offer maintained operational efficiencies and improved indoor air quality throughout occupied environments.

Supporting organisations at the forefront of sustainability

Because we are serious about sustainability, we do more than just talk about the environment; we actively support organisations and initiatives that are acting on it.

- **Green Building Council of Australia** - www.gbcaus.org
- **3 CBDs** - www.3cbds.com.au
- **The Warren Centre** - www.warren.usyd.edu.au
- **Property Council of Australia** - www.propertyoz.com.au



CASE STUDIES

Darling Park Stage 3 : 5 Star ABGR 4 star Greenstar rated

Haden worked closely with the team from Bovis Lend Lease on the \$6m base building installation and Marsh Mercer fitout including installation of the air conditioning, mechanical ventilation, building management and control system.

Haden collaborated with the water treatment supplier to develop a treatment regime which reduced the cooling towers water bleed rate while ensuring acceptable levels of dissolved solids and bacteria were maintained.

This initiative resulted in significant water consumption savings and contributed to the Greenstar rating for this building.

Haden also installed the air conditioning, mechanical ventilation and building management and control system in the 20 story office building in Darling Harbour which included 6 BAC Cooling towers, 12 Southern cross pumps, 2 AIRA Hot water heaters, 3 McQuay Chillers and 18 McQuay Chilled water AHU's.



Section 84 Precinct B & C: 4.5 Star ABGR. Precinct C: 4 star Greenstar rated

Bovis Lend Lease awarded Haden the contract to design, construct and install the mechanical systems for the new Australian Taxation Office (ATO) headquarters in Canberra's CBD. The project consisted of 2 precincts.

Precinct B is a 10 storey commercial tower, plus plant room. It is approx 23,000 sq. metres NLA and is built on top of the retail component of the Precinct B structure. Precinct C is a 10 storey tower with 40,000 sq. metres of office floor space.

Some of the innovations in HVAC developed included low temperature supply air and low airflow rates. These have resulted in capital cost saving for the installation and also saved floor space for the tenants.

WE ALL MAKE A DIFFERENCE

Our grassroots Environmental Sustainability Committee is looking at ways that we can all minimise our contribution to climate change within our workplaces. Proactively reviewing energy use within our buildings, reducing waste, reusing products and using environmentally superior solutions, every employee can make a difference.

SAFETY ALL WAYS

At Haden, we are committed to ensuring that our work environments and practices always give health and safety the highest priority. The heart of our award winning safety programme is a firm commitment and belief by all employees that zero accidents is achievable and to remove all conditions that could lead to injuries.

CONTACT US

Visit us at www.haden.com.au, or contact our Customer Service team today on **1300 4 HADEN** to discuss how Haden can design a solution to suit your HVAC and mechanical service needs.



Safety All Ways

For more information, visit us at www.haden.com.au

1300 4 HADEN

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