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Ecolibrium



Cloud control

Keeping data centres cool.



Some pane, net zero gain



The PICAC building is taking shape in Melbourne's south-east.

Australia's first net zero energy education building is under construction.

The Plumbing Industry Climate Action Centre at Narre Warren, south-east of Melbourne, is slated to be Australia's first net-zero-energy (NZE) education and research facility.

The building complex will generate enough energy to support its own requirements, on an annual basis. The NZE building will be certified to international standards.

"Renewable energy will be supplied through a unique combination of geothermal and solar technology," says NDY, which has led the strategic advisory team delivering the complex. "The building itself has been designed to provide maximum energy efficiency in order to minimise supply requirements. This has been achieved through advanced insulated wall design, double-glazing and the latest equipment technologies."

When completed early next year, the building complex will be an education and training facility for the 25,000 licensed plumbers in Victoria.



The objective is to train the existing workforce to take advantage of the latest energy-efficiency and water-saving technologies.

"At the same time," NDY says, "the complex itself will be a dynamic demonstration of the latest building systems and innovations."

The Australian Renewable Energy Agency (ARENA) has provided a \$500,000 grant to ensure the project is a design benchmark. This will enable the sector to learn from the approach taken at PICAC. ■

WISE WORDS

"When small things are done with love it's not a flawed you or me who does them: it's love. I have no faith in any political party, left, right, or centrist. I have boundless faith in love. In keeping with this faith, the only spiritually responsible way I know to be a citizen, artist or activist in these strange times is by giving little or no thought to 'great things' such as saving the planet, achieving world peace, or stopping neocon greed. Great things tend to be undoable things. Whereas small things, lovingly done, are always within our reach."

— from *God Laughs and Plays* by David James Duncan.



Based in Brisbane, Denver Treacy, Affil.AIRAH, is a BMS sales estimator for Schneider Electric Buildings

Responsibilities

Create BMS solutions that meet or exceed design intent; System architecture design and costing including interfacing and integration with other building services; Application design and costing such as fan coil unit control, operating theatre environment control; continuously developing my technical capabilities within both HVAC systems and BMS; management of suppliers and subcontractors during tender phase; liaison with end users, consultant engineers and contractors; and post-tender negotiations with a wide range of parties

Specialty

I enjoy having a hands-on approach to my work. If a new product is released, I will set it up and test it to ascertain its potential benefits to our clients.

Passions

Technology. Learning and gaining different experiences.

Challenges

Ensuring customers understand the value of the technology within the Schneider Electric offer.

Time constraints of tender periods, and occasionally, the lack of quality documentation.

Professional development

In-house training, AIRAH seminars mostly. I am currently enrolled in the AIRAH Professional Diploma of Building Services – HVAC&R.

Inspiring words

"Time you enjoy wasting was not wasted."
— John Lennon.

Favourite destination

Galway, Ireland

Future plans

BMS project delivery.

Working abroad. ■