

exergenics

exOptima™

Out of the box optimisation

exOptima™ analyses and rates your central plant's performance and produces actionable recommendations to maximise efficiency



Optimised controls in your hands

Transparent, easy to implement recommendations



Leverage your existing BMS

Simply update controls, not hardware



No new technicians

Continue to work with your existing BMS contractor



No lock-in contracts

Secure your exOptima™ report on your terms

Exergenics' powerful optimisation engine has won multiple innovation awards:



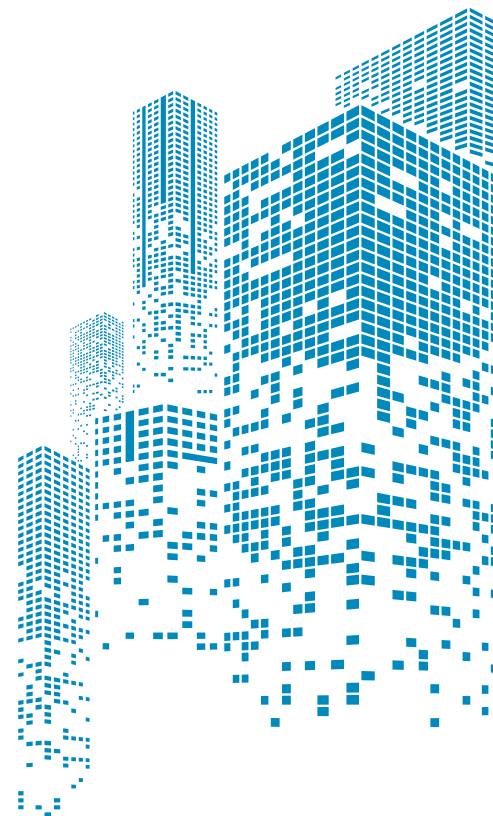
Australia's Most Innovative Engineers



Proptech Startup of the year 2021

HOW IT WORKS

Exergenics' optimisation engine combines the next generation of Big Data, AI & Digital Twins to ensure that every plant is operating at peak performance



1 Step



Data Collection

Data is obtained via analytics platforms, data lakes or directly from the BMS for your individual building or portfolio.

Temperature, flow rate, pressure and energy data are collected for central plant equipment, including chillers, pumps and cooling towers.

exOptima™ works with all building management systems, plant configurations and equipment manufacturers.

2 Step



Composite Digital Twin

Operational data trains advanced machine learning algorithms that build a working mathematical model of the physical plant.

Exergenics' optimisation engine loops through millions of possible scenarios that could be experienced by your plant, learning how best to control it along the way.

All energy saving opportunities are automatically identified, and have no impact on occupant comfort or air-side operations.

3 Step



Secure your exOptima™ report

exOptima™ is an individualised, actionable report, containing:

- A rating out of 100 reflecting your plant's current efficiency, compared to its potential
- A set of easily implemented controls updates for improving your plant's efficiency
- An energy & cost savings potential associated with each recommendation.

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