WORLD'S FIRST CLOSED-LOOP AI OPTIMISATION CONTROLLER FOR COMMERCIAL PACKAGED UNITS.

CUT COMMERCIAL AIR CONDITIONING COSTS. MEASURE EVERY SAVING.

HDAC is the world's first closed-loop AI optimisation controller for commercial packaged units. Put simply, it measures each air-conditioning unit, improves how it runs and checks the saving.

Keep the air-conditioning equipment you already have. Cresstec helps it use less electricity and shows the saving for each unit.

34.8% CSIRO VERIFIED

Verified average annual energy savings at an Australian Defence site.

AE909

Australian Defence Endorsed Initiative

MEASURE WHAT IT USES. MEASURE WHAT IT PRODUCES. OPTIMISE FROM BOTH.

HOW HDAC WORKS. THE TECHNICAL VIEW.

Retrofit around existing equipment, for installation by your mechanical services contractor.

01

MEASURE INPUTS

Power is measured for the whole unit and each compressor.

02

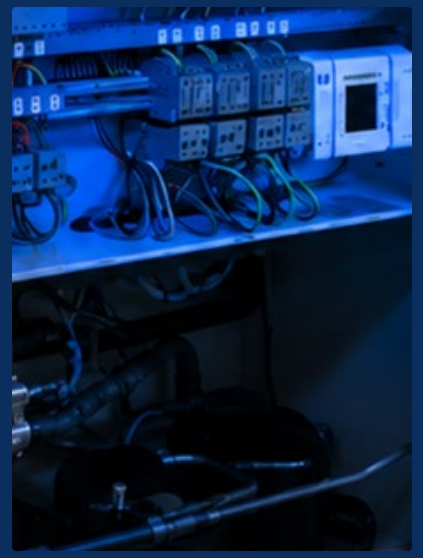
CALCULATE HVAC OUTPUT

Heating and cooling capacity is calculated from measured conditions.

03

OPTIMISE + VERIFY

Algorithms adjust compressors and fans within defined limits, then verify output against energy use.



CONTRACTOR-INSTALLED RETROFIT.

LIVE PROOF. EARLY FAULT ALERTS.

POWER METERING

Whole unit + each compressor

CAPACITY + CONDITIONS

Temperature, pressure + air flow

CONTROL LOGIC

Compressors + fans within limits

MEASURED PROOF

Baseline versus active operation

TECHNICAL SNAPSHOT: DIN-RAIL MODULES | 24 V DC VIA UPS | ETHERNET + 4G | IP42 | -25 TO +60 °C