



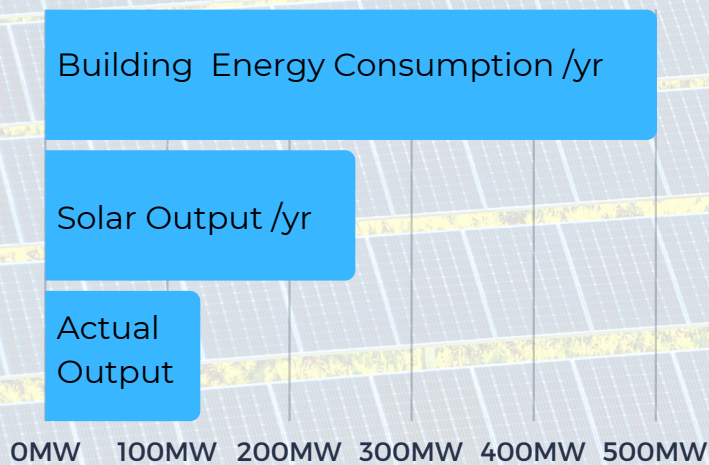
SPECTRE
UAV CONCEPTS

Spectre UAV Concepts

CASE STUDY - 156KW SOLAR SYSTEM
100 UNIT APARTMENT BLOCK PERTH

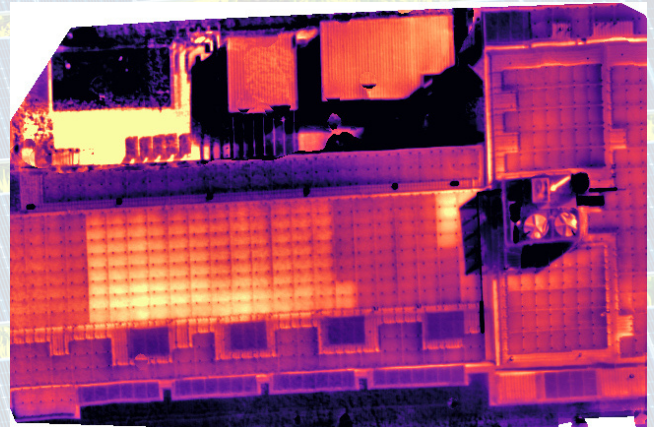
SOLAR PANEL EFFICIENCY

This system was inspected by Spectre UAV concepts using specialist thermal sensors integrated with drone technology as part of an independent audit. Our certified thermographer revealed that 50% of panels were inoperable. The building management were not aware of the issue. Over a year period, the potetial savings were calculated



FINDINGS

This system had a mix of inverter faults as well as shading issues from incorrect placement of panels.



SAVINGS

Of the 477 panels installed only half were producing energy. A total of 347kWh of energy loss per day. Equaling \$47,000 of energy purchased from the supplier.

50%

Identified reduction
in energy production
over a year period

347

kWh gained per day

\$49K

In yearly savings