



Simon James
Honeywell

The Case for Energy Efficiency A Contractors Perspective

Honeywell

Honeywell

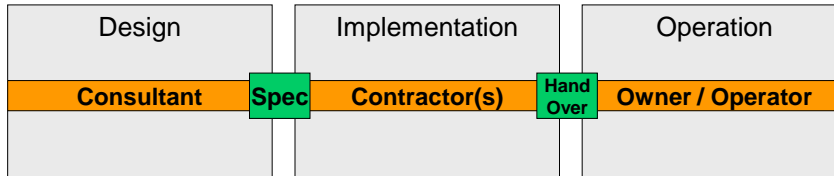
→ Honeywell.com

The Built Environment

- Substantial energy efficiency gains can be realized in the built environment.
- This can lead to 20+ year old buildings making substantial gains in their NABERS Energy ratings
- However traditional approaches will not achieve the full potential

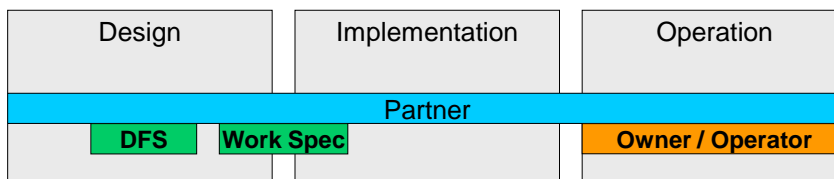


Traditional Process for Improving Existing Buildings



- Multiple gaps in responsibility where original design intent and project objectives can be lost
- Who has ultimate responsibility for the outcome i.e. If the NABERS Rating cannot be achieved?
- Owner carries full risk that scope is wrong, price will increase or expected outcome is not met

Partnering Process



- **Turn Key D&C Process:** Partner engaged through the entire process.
- **Risk Management Approach:** Risks are identified early and assigned to the partner in the best position to manage them
- **Outcome Focused:** Partner provides financial guarantees that the expected outcome will be achieved and stays with the project through the operational period

530 Collins Street - Solution

Honeywell implemented a number of base building retrofits for the project including:

- Mechanical system upgrades
- Installation of high efficiency chillers
- Optimization of the existing BMS
- Installation of grid synchronized Cogeneration

There was no downtime or interruption to the building's operations throughout this upgrade.

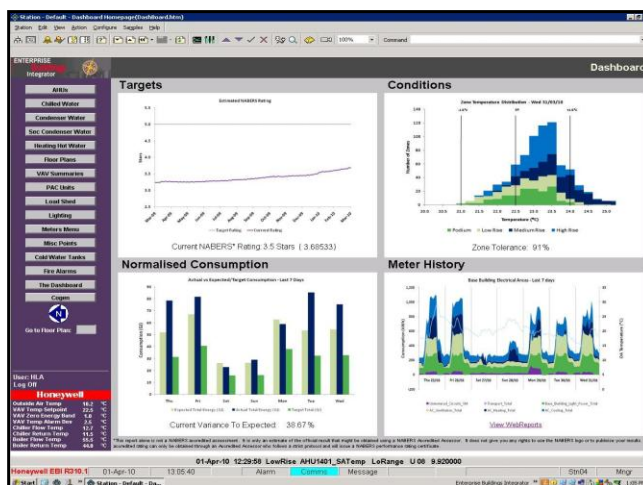
Project Targets

- Energy Savings:
\$360k / year guaranteed for 5 years
- Emissions before project:
150kg/m²/yr : 2.5 Star NABERS
- Emissions after project:
<100kg/m²/yr : 5 Star NABERS



The Case for Energy Efficiency

Dashboards / Operational Tools



- Available Online for the Operators
- E-mailed out to other stakeholders

The Case for Energy Efficiency

The Case for Energy Efficiency

- Substantial energy efficiency gains can be realized in the built environment.
- Partnering and an outcome focused approach is critical for maximizing results and maintaining ratings

