



Case Study

Project Management | Energy Management System Trial

After extensive research, it was evident that proprietary BMS were not capable of fulfilling all the desired functions of an Energy Management System (EMS); and conversely despite marketing efforts to the contrary, proprietary EMS were not able to substitute the BMS.

After a select tender process, Schneider Electric's PowerLogic software and meter hardware were selected for a trial in the Client's most energy intensive facility with the express purpose of better understanding peak loads, and developing operational strategies to manage these peaks in an effort to avoid peak demand charges. Whilst the EMS functionality offers a myriad of other diagnostics, peak demand was the key driver for the Client in the short term, with a long term desire to better understand equipment degradation patterns for preventative maintenance.

With the 22/7 operation of buildings, the notion of running extensive low voltage cable to a series of remotely positioned MSB's and DB's was not practical. Wired meters were used at MSB's with wireless CT's used on DB's.

After installation and programming at the trial site, the extensive diagnostic capabilities of the software highlighted inefficiencies immediately, some which could be managed by finite operational changes; while others triggered the need for larger capital works projects to change key equipment.

Net, the trial realised 30% energy savings by adjustments, with potential for significantly more improvement as and when key equipment upgrades occurred.

**Note, the examples provided above were undertaken in a past role, prior to MSP. These examples serve to further detail the experience MSP bring to the table for our Clients.*



Project Management
Energy Management System Trial

CLIENT:	VALUE:	COMPLETION DATE:	PROJECT DURATION:	DELIVERY MODEL:	SERVICES OFFERED:	Task:
Confidential	Ongoing	Ongoing	6 months	Negotiated	Project Management	Trial installation of energy meters and monitoring software, net energy saving 30%.