



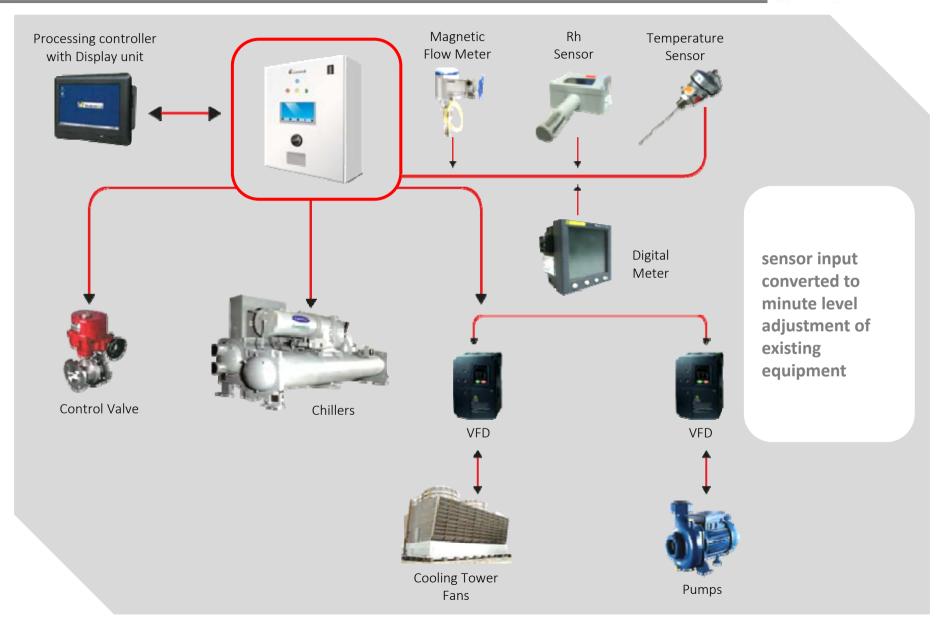
Using Big Data to drive optimization for industrial and commercial real estate sectors



- BBP control solution can be retrofitted into any building
- Algorithm reducing energy consumption as a Service
- Solution includes installing equipment on site and supporting it from Singapore
- Client has no upfront cost, paying us a portion of the savings achieved
- Based in Singapore but following customers to other countries in the region
- Challenges faced and suggestions

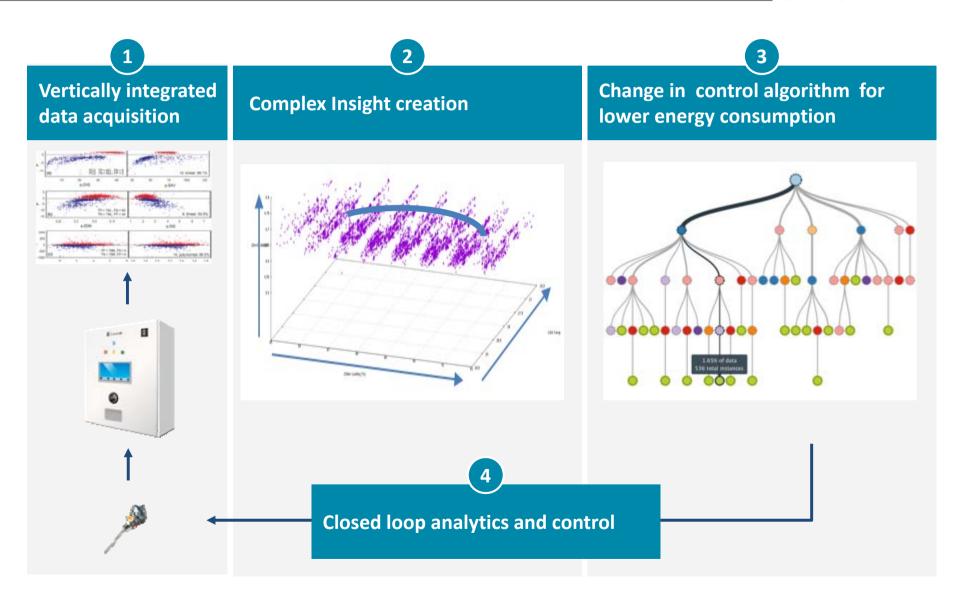
BBP Control system is retrofitted into any existing building





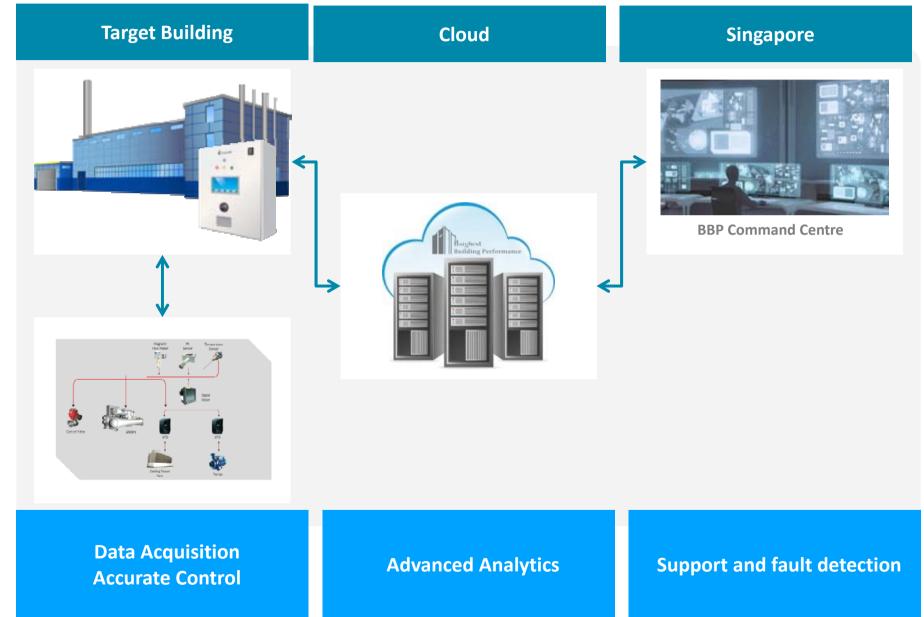
BBP uses site data and advanced analytics to deliver energy savings





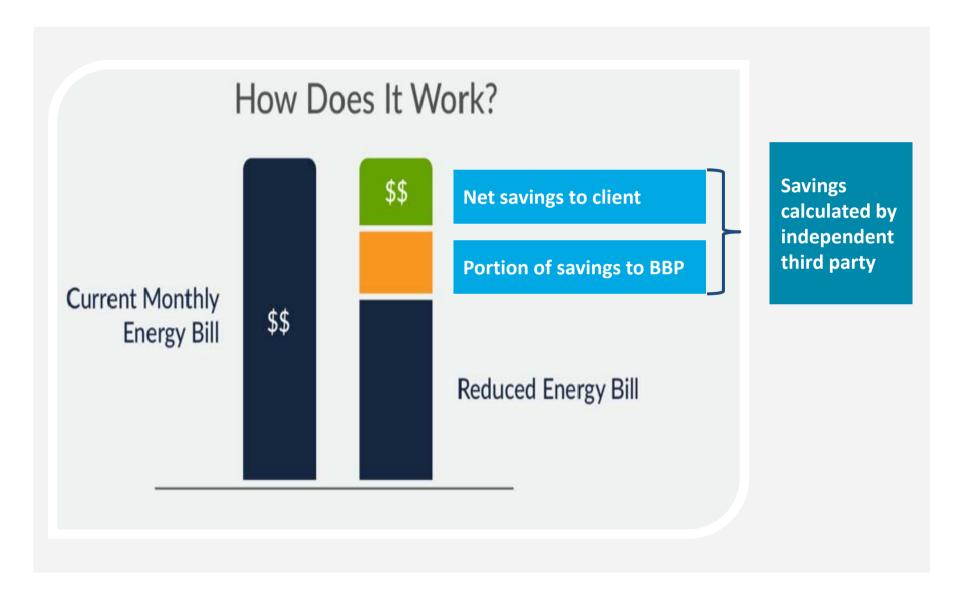
Delivering the service requires resources on site, in the cloud and from Singapore





BBP offers its service without any upfront cost - Client pays a portion of energy savings achieved





Cloud supported setup allows for quick expanding in APAC region





Challenges in Techno-commercial sales process



Challenges Faced

Initial Presentation

- Multinational team creates visa challenges
- Business visa requirements for sales meeting requiring letter of invitation from client – increases initial hurdle

Site measurements

- Estimation of energy efficiency potential requires cross border transportation of equipment with unclear rules
- Only local contractors are allowed to perform physical measurement works on site – benefitting incumbents in each country and creating hurdle

Contract negotiation

Location of Contract signing has tax implications

Challenges in solution delivery



Challenges Faced

Equipment supplied from Singapore

- Packaged solutions (i.e. pre-programmed equipment) create uncertainty in import tariff
- Uncertainty in customs clearance timings increases cost for nondomestic solution providers

Equipment and Service package

 Difference tariff for products vs. services creates challenge for solution providers offering both



Cloud based services

 On-site/Cloud/Singapore setup raises questions regarding allocation of cost and revenue

Payment

- Cross border payments are challenging
- Variety of permanent establishment rules and related withholding tax increases uncertainty and cost for international providers
- Capital requirement, cost and management time needed for Incorporation can be a deterrent for small technology providers

Suggestions for simplifying expansion of environmental technology in APAC region



Suggestion

• Single Accreditation for products and services

- Transparent Rules and Regulations for Permanent Establishment; and Sufficient grace period before entry into force of new rules / regulations
- To address complexity in tariff for purchase of goods and services - Mandate Customs Authorities to practice Advance Rulings
- Ease of setting up local entities

Example for Singapore





- IE Singapore as a Single source of information and regulation
- Uniformity of GST and import tariff

- Low capitalisation requirement
- No limits for foreign ownership

