

# How to Use Data for Energy Saving and Value Maximization.

7th, Jun.2019

Azbil(Thailand)Co.,Ltd.

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## Group Company in Thailand

**azbil**

Company Name: **Azbil (Thailand)Co.,Ltd.**

Established: **October 1, 1995**

Paid-in Capital: **฿ 40 million**

Employees: **150**



Address of HQ: **9 G Tower Grand Praram 9, 14<sup>th</sup> Floor,  
Rama 9 Road, Huay Kwang,  
Huay Kwang, Bangkok 10310, Thailand**

Business: **Product Sales  
Consultation, Design and Engineering  
Installation, Test & Commissioning  
Maintenance  
Energy Saving & Solution Business**



**azbil**



Company Name: **Azbil Production (Thailand)Co.,Ltd.**

Established: **February 20, 2013**

Paid-in Capital: **฿ 140 million**

Employees: **350**



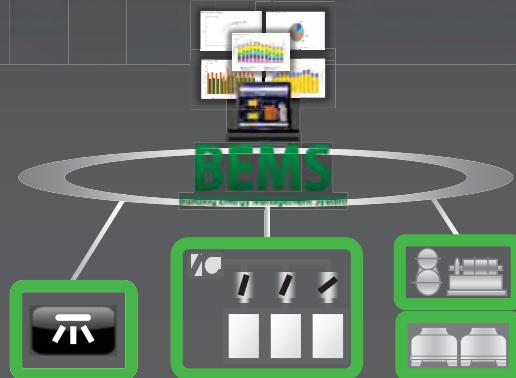
Address of HQ: **700/1013 Amata Nakorn Industrial Estate  
Moo 9, Mabpong A. Phanthong Chonburi 20160,  
Thailand**

Business: **Production of Controller**



# BEMS

## Building Energy Management System



*azbil*

**BEMS**  
has  
**Visualization**  
&  
**Optimization**  
**Control**

# BEMS has **Visualization** & **Optimization** **Control**

lose your weight



Running?



Muscle training?



Get on a Weight Scale.

know your current condition first.



- 5%

You can reduce your weight  
by only check it.

# Building Automation

## azbil Building Energy Management System



**savic-net™ G5**

Brand New Building Management System



**Open System  
Full BAC-net**



Human-centered automation

Latest Service

## Building Automation +a

Energy Saving

Amari Watergate



Amarin Plaza (Gaysorn Gr.)



Crown Plaza HOTEL (RAMALAND)



Yakult HQ



Ploenchit Center (Erawan Gr.)



Bldg. Total Save 15%

Pump System Save 58%

Pump System Save 40%

Pump System Save 30%

Pump System Save 40%



# Energy Saving PJ Ref. in Thailand



Amari Watergate



Amarin Plaza



Ploenchit Center



Crown Plaza Hotel



Gaysorn Plaza



Boonthavorn



Rangsit University

In Thailand

**11,213 364 kWh save Total**

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Human-centered automation

# Energy Saving PJ Ref. in Thailand



Rangsit University

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# Rangsit University



Rangsit University

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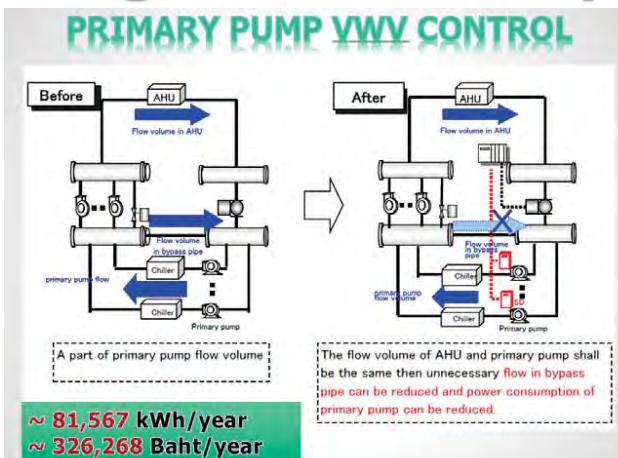
## Rangsit University Bldg.11



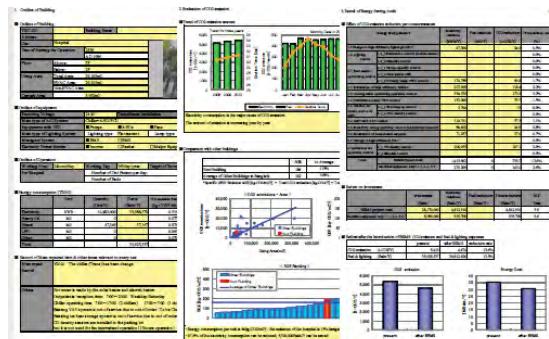
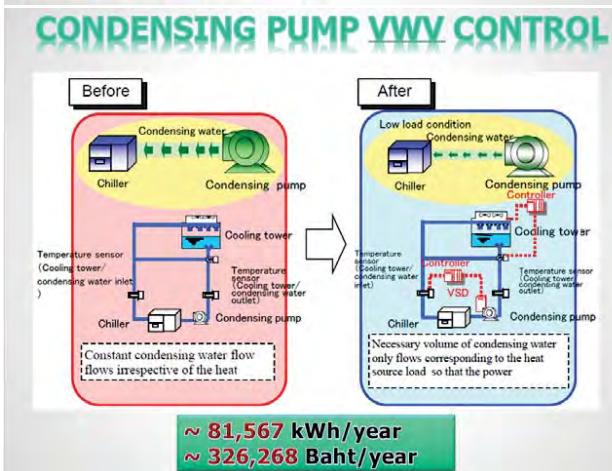
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## HIGH EFFICIENCY CHILLER



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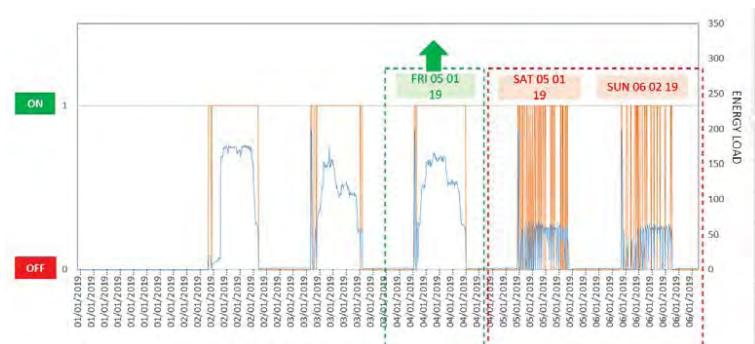
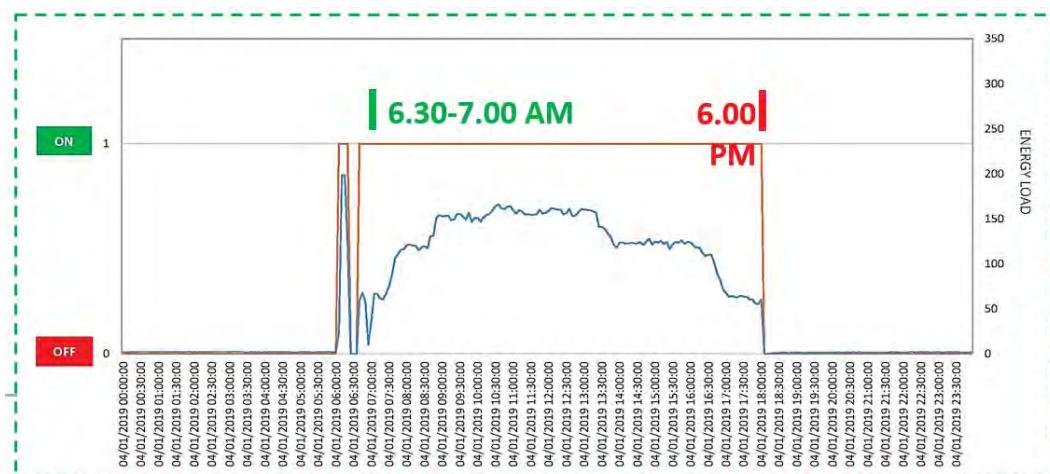


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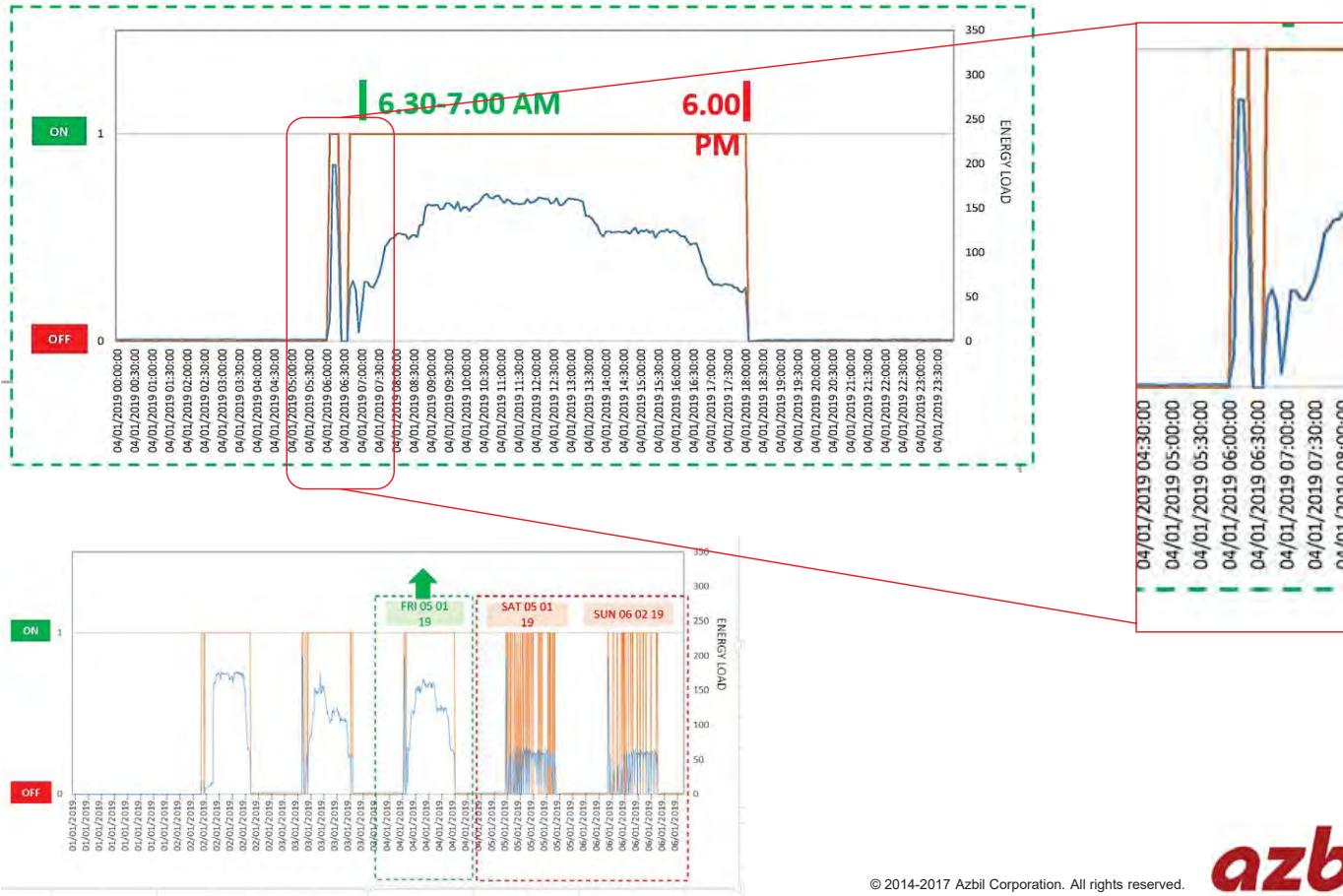
## Data Utilization

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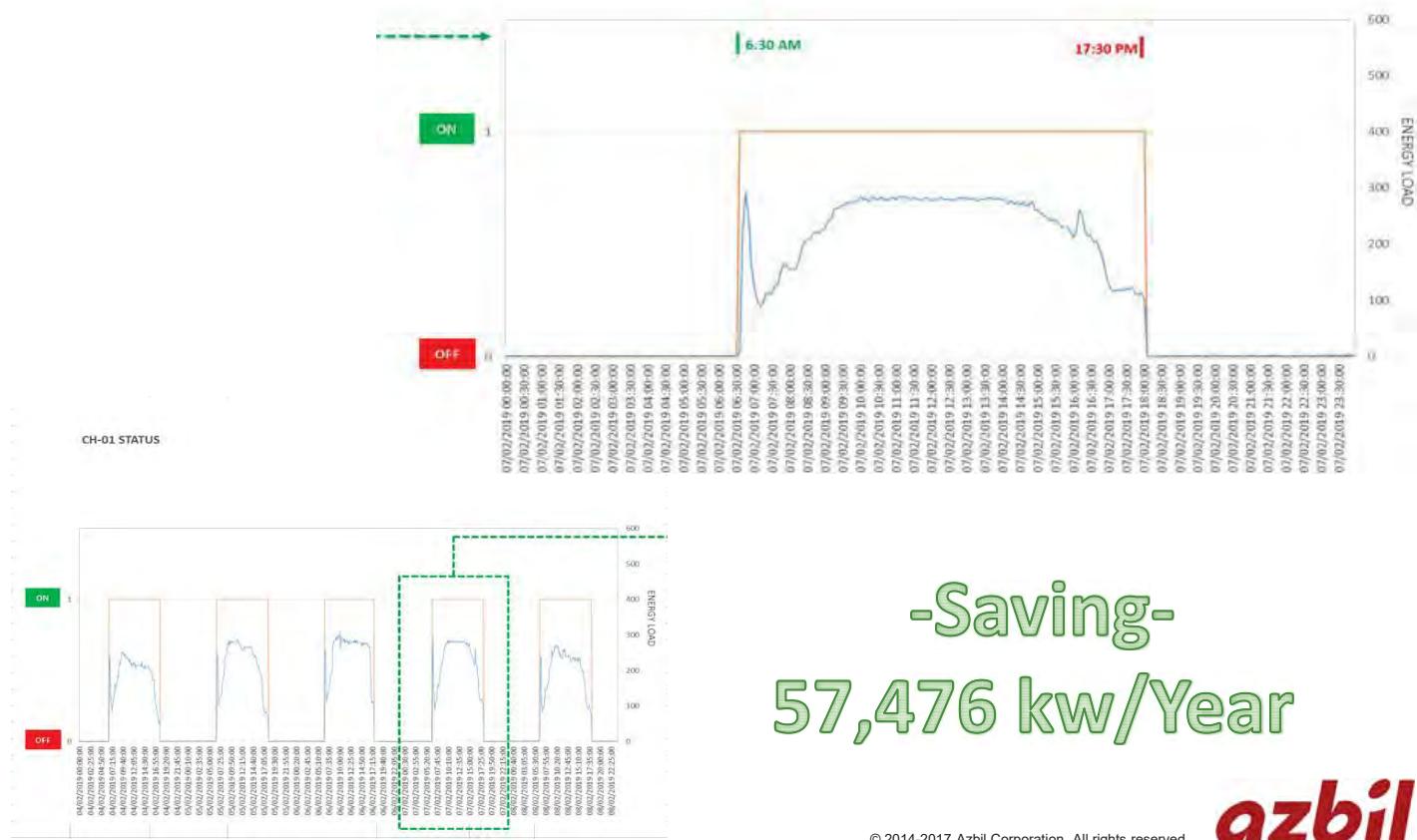
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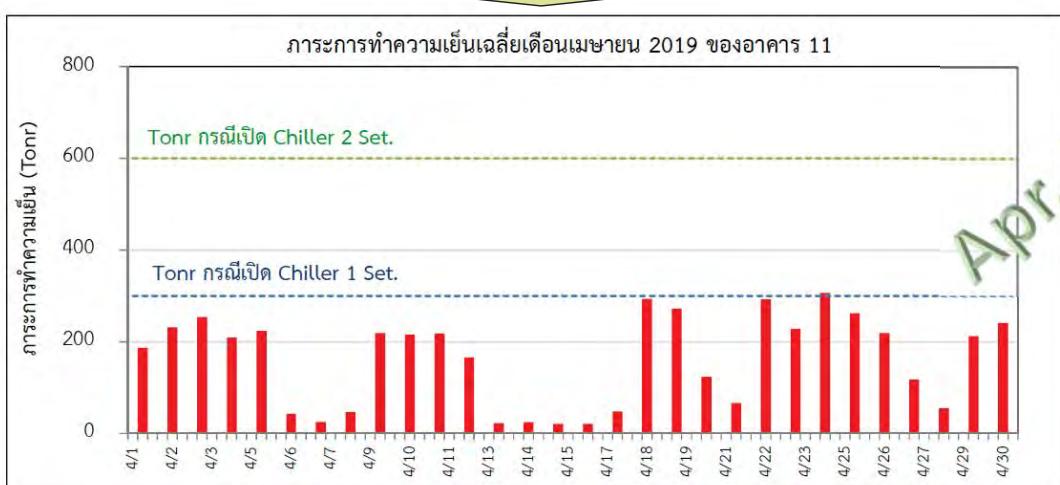
-Saving-  
57,476 kw/Year

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Before BEMS: Always Run 2set Chiller



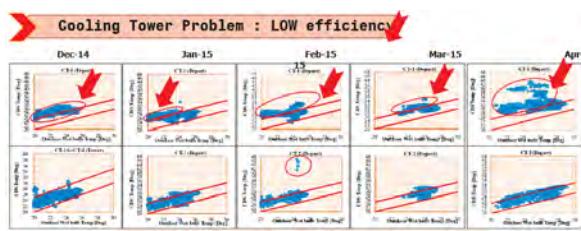
ONE Chiller is enough!

-Saving-  
689,713 kw/Year

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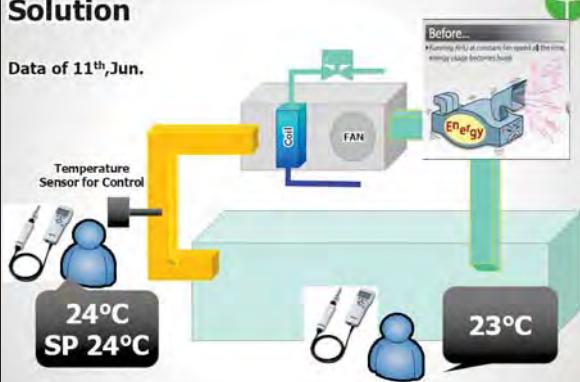
# Data Utilization



Equipment Efficiency

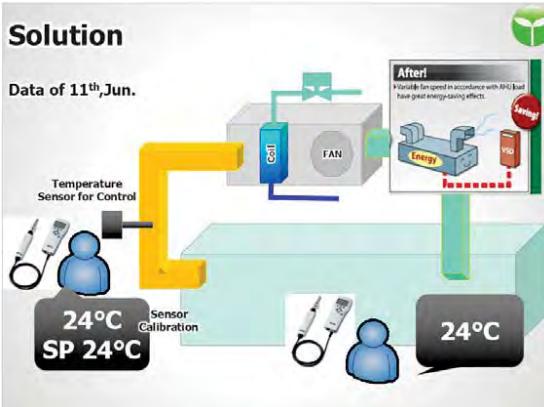
## Solution

Data of 11<sup>th</sup>,Jun.



## Solution

Data of 11<sup>th</sup>,Jun.



Sensor Calibration

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SMART Building

SMART Technology



**SMART**  
District

SMART People



SMART Operation



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Thank you  
for your attention