

# eFOM Smart Energy Management System

Monitor Electricity At Anytime Anywhere





Management Control



# 多據點用電資訊管理

Work Faster Work Smarter

## 當日累積用電量

# 207.96 kWh

## 即時需量

# 1.11 kW

## 用電佔比



## 未來七天用電量-分佈比例



## 異常告警

能耗評估 
  設備異常

序號	告警訊息	告警時間
1	1F, 總電錶, 實際用電量低 ↓	2022-02-16 12:00:00
2	1F, 總電錶, 實際用電量低 ↓	2022-02-16 13:00:00

## 用電分析資訊

能耗類別  樓層 
  日 
  週 
  月

能耗類別	昨日用電量	本日用電量	用電趨勢
空調	6.35	5.94	↓ -6 %
冰水主機	4.63	4.79	↑ 3 %
房間總電	109.27	93.28	↓ -15 %

## 能耗預測分析



— Electricity consumption for the day —



Observing the accumulated electricity consumption on the day which deliver point to point action immediately

— Immediate demand —

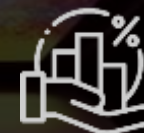
According to the contracted capacity and warning line signed with Taipower, the setting can be flexibly entered through the contracted capacity management page



Approaching the real-time demand function to observe whether the electricity consumption is as expected every 15 minutes

— Electricity Ratio —

Presented as bar graphs, each bar graph is a 15-minute dynamic average of the demand for that energy category or zone



Each category or zone is separated by color, and visually monitor the power consumption ratio of each item within the 15-minute period, and whether there is a warning line and contract capacity line set for exceeding the standard

## Forecasting electricity - distribution ratio

01 Electricity consumption in the next seven days(including the current day) –distribution ratio is rolling information

02 Intuitively view the distribution ratio of electricity consumption of each energy consumption

03 According to the management type to view the predicted power consumption distribution ratio

According to the management type to view the predicted power consumption distribution ratio



## Electricity Analysis

01 Preliminary power consumption analysis can be selected by day, week and month

02 According to the management type to view the power consumption trend

Check whether the current day, week, or month exceeds the electricity consumption through the percentage of electricity consumption.

用電分析資訊 能耗類別  樓層

日 週 月 ↗

能耗類別	昨日用電量	本日用電量	用電趨勢
冰水主機	2.54	3.91	↓ -16%
房間總電	308.78	353.27	↑ 14%
空調	6.24	4.24	↓ -3%

e-FOM 您好，本電錶資訊頁面中，可依貴公司所新增的電錶資訊進行刪除及修改，為了提供更加精準分析預測服務，請務必完整填寫以下電錶相關資訊，本平台將由填寫資訊提供分析及預測的服務！

總電錶ID	設備名稱
<input type="text" value="A0001"/>	<input type="text" value="總電錶"/>

## Smart meters control

Giving all the smart meters an ID for maintenance department to organize equipment efficiently

序號	電錶ID	設備名稱	類型	樓層	備註 (非必填)	操作
1	<input type="text" value="a111"/>	<input type="text" value="空調1"/>	<input type="text" value="空調"/>	<input type="text" value="1"/>	<input type="text"/>	<input data-bbox="2084 739 2135 782" type="button" value="+"/>
2	<input type="text" value="a112"/>	<input type="text" value="空調2"/>	<input type="text" value="空調"/>	<input type="text" value="1"/>	<input type="text"/>	<input data-bbox="2084 825 2135 868" type="button" value="🗑️"/>
3	<input type="text" value="a113"/>	<input type="text" value="空調3"/>	<input type="text" value="空調"/>	<input type="text" value="2"/>	<input type="text"/>	<input data-bbox="2084 911 2135 953" type="button" value="🗑️"/>
4	<input type="text" value="a114"/>	<input type="text" value="空調4"/>	<input type="text" value="空調"/>	<input type="text" value="2"/>	<input type="text"/>	<input data-bbox="2084 996 2135 1039" type="button" value="🗑️"/>
5	<input type="text" value="b221"/>	<input type="text" value="空調5"/>	<input type="text" value="空調"/>	<input type="text" value="2"/>	<input type="text"/>	<input data-bbox="2084 1082 2135 1125" type="button" value="🗑️"/>
6	<input type="text" value="b222"/>	<input type="text" value="空調6"/>	<input type="text" value="空調"/>	<input type="text" value="3"/>	<input type="text"/>	<input data-bbox="2084 1168 2135 1210" type="button" value="🗑️"/>
7	<input type="text" value="b223"/>	<input type="text" value="空調7"/>	<input type="text" value="空調"/>	<input type="text" value="3"/>	<input type="text"/>	<input data-bbox="2084 1253 2135 1296" type="button" value="🗑️"/>
8	<input type="text" value="b224"/>	<input type="text" value="空調8"/>	<input type="text" value="空調"/>	<input type="text" value="3"/>	<input type="text"/>	<input data-bbox="2084 1339 2135 1382" type="button" value="🗑️"/>

# Alarm System

Control electricity effacingly

Provide energy usage plan

Assure company' s resources





## Contract Capacity Management

### 契約容量設定

停用  啟用



契約容量：**15 kW**

契約容量：

15

契約容量警示值：

12

回上一頁

修改完成

## Alarm System

01

Energy consumption assessment - actual and predicted value analysis, when the electricity consumption is slightly higher or lower

02

The alarm will activate as long as the contracted capacity reaches the value that have been set

03

While smart meters is not collecting any data

04

All the alarm messages will be shown on the screen and send it through Line messages as well

### 異常告警

能耗評估 設備異常

序號	告警訊息	告警時間
1	1F, 總電錶, 實際用電量低 ↓	2022-01-12 08:00:00
2	1F, 總電錶, 實際用電量低 ↓	2022-01-12 09:00:00

能耗評估：實際值與預測值分析：當用電量稍高(0.5倍)/高(1倍)/稍低(0.5倍)/低(1倍)，即發出告警

能耗評估：即時需量已達契約容量警示值及即時需量已達契約容量時，即發出告警並透過LINE主動發出警示通知

設備異常：未收到資料時，即發出告警並透過LINE主動發出警示通知

### 異常告警歷史資訊

能耗評估

請選擇設備名稱 請輸入起始時間 to 請輸入結束時間 查詢 下載

Close

15:00 15:15 15:30 15:45 15:00

0.96

冰水主機 高壓線電

# Forecasting Energy Consumption

Prediction of electricity



# Energy Predictive Analysis

01 Present deep learning data in 7 days

02 The section could be selected in different area that could provide electricity

Historical Message

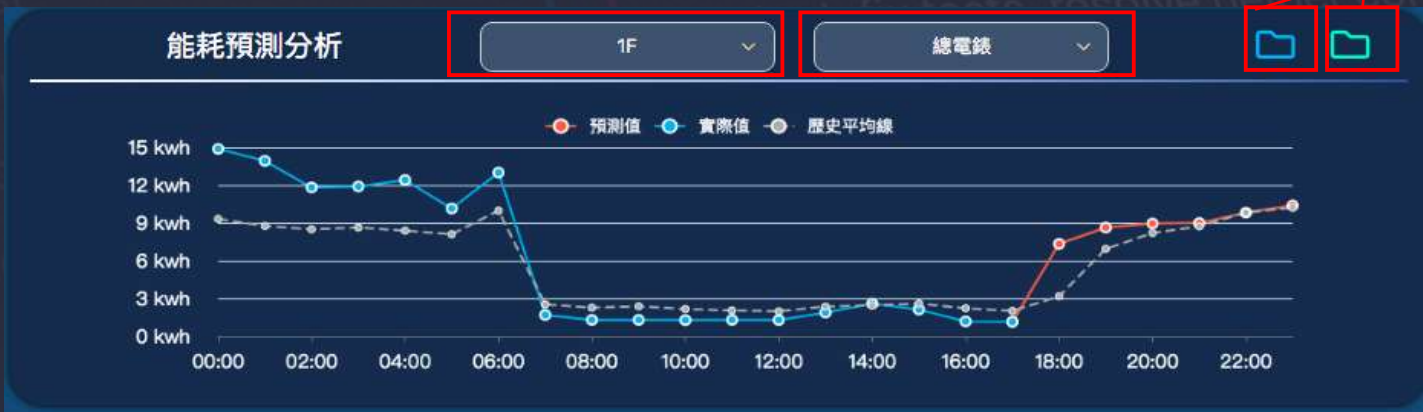
請選擇設備名稱 | 請輸入起始日期 to 請輸入結束日期 | 查詢 | 下載

Close

Prediction data

請選擇設備名稱 | 查詢 | 下載

Close



# Personal Setting

Account Management



Log-in Status



Alarm System Setting



Permission Setting



👤 個人資料

👥 會員管理

👉 問題回報

🚪 登出

## 個人資料

姓名

Reinhard

Email

test@infiark.com



LINE告警通知



LINE Notify Token [去綁定](#)

設備異常

契約容量示警

[更新](#)

●申請LINE Notify可即時收到告警通知，點擊連結立即申請。

公司

e-FOM



權限等級

超級管理者



建立時間

2021-12-17 16:05:07



最後更新時間

2022-01-03 14:13:50



[回上一頁](#)

[重設密碼](#)

## 會員資料列表

註冊會員

👤 個人資料

👥 會員管理

👇 問題回報

🚪 登出

序號	姓名	Email	狀態	權限等級	最後登入時間	操作
1	infiark		● 正常	超級管理員	2022-01-03 14:13:50	
2	infiark-2		● 正常 ▾	使用者 ▾	2022-01-03 11:45:17	🗑️
3	infiark-3		● 正常 ▾	使用者 ▾	2021-12-24 10:32:03	🗑️



# 永續 與智慧時代同步

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