

Scope of work

- Data centre environmental monitoring
- Energy efficiency measurement
- Analyze data / decision making
- Send alerts to mobile phones
- Provide maintenance information for decision making

Login Page



You need to login to use the system.

Username

Password

Login

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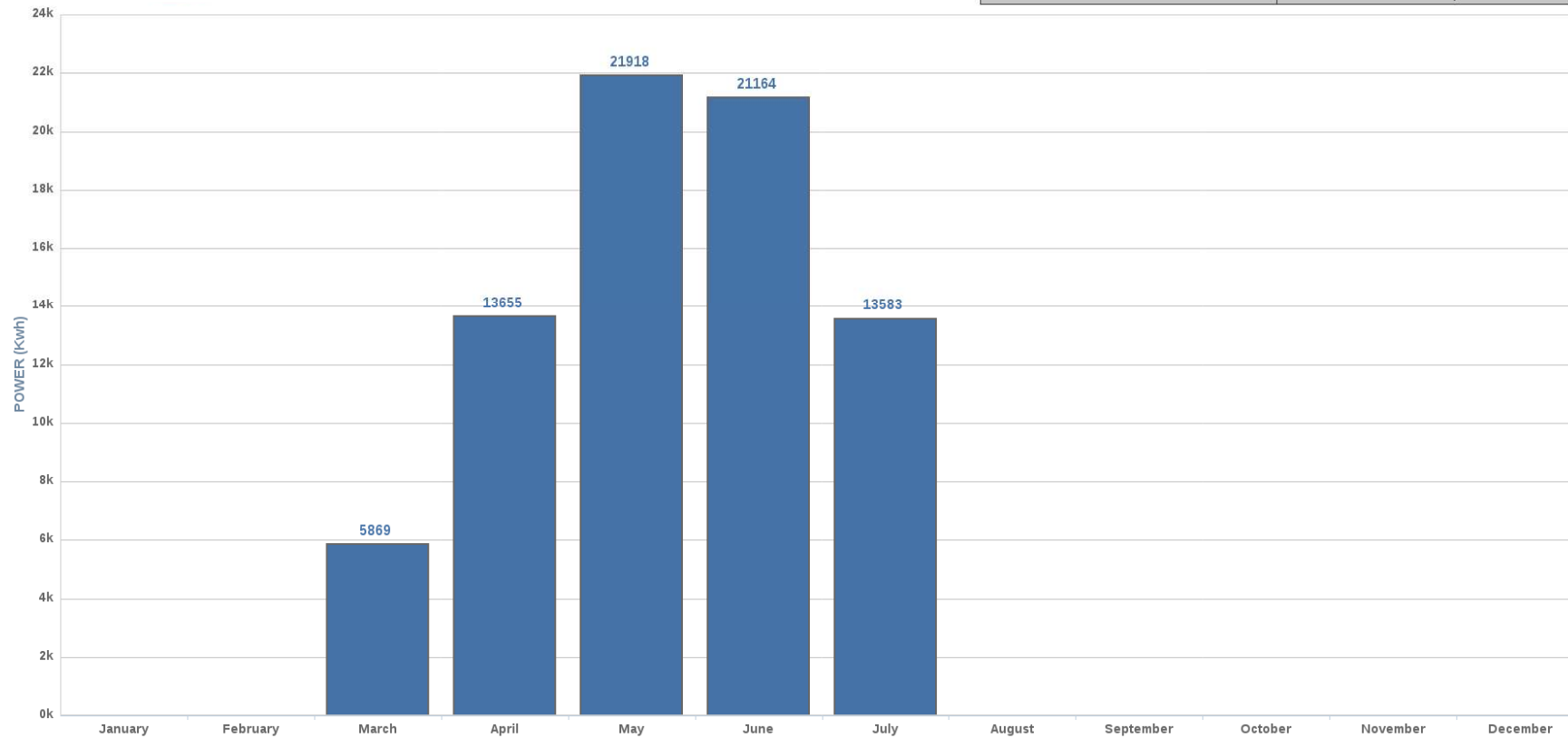
Home Page – Showing the monthly energy usage & efficiency

Home Mimic Consumption Pie Data Analysis Temperature Trending Logs Change Password Logout

| | | |
|----------------------------|---------------------|-----------------|
| Date : 22/07/2011 | Time : 09:25 GMT +8 | |
| YEARLY TOTAL TO DATE | Kwh | EFFICIENCY |
| | 76189 Kwh | 2.37 Kwh/Sq.Ft. |
| AVERAGE MONTHLY EFFICIENCY | 0.34 Kwh/Sq.Ft. | |



POWER CONSUMPTION



Mimic Display To Show The Status of All the Monitoring Points

| Home | Mimic | Consumption | Pie | Data Analysis | Temperature Trending | Logs | Change Password | Logout |
|---|---|---|--|---------------|----------------------|------|-----------------|--------|
| Data Room DATA ROOM / EDB-DATA DATA ROOM / 60 kVA UPS DATA ROOM / FCU 16-1 DATA ROOM / FCU 16-2 DATA ROOM / FCU 16-3 DATA ROOM / FCU 16-4 DATA ROOM / DAMPER FCU 16-1 DATA ROOM / DAMPER FCU 16-2 DATA ROOM / DAMPER FCU 16-3 DATA ROOM / DAMPER FCU 16-4 DATA ROOM / DRAINPUMP FCU 16-1 DATA ROOM / DRAINPUMP FCU 16-2 DATA ROOM / DRAINPUMP FCU 16-3 DATA ROOM / DRAINPUMP FCU 16-4 DATA ROOM / TEMPERATURE DATA ROOM / SMOKE DETECTOR | Comms Room COMMS ROOM / EDB-COM COMMS ROOM / 30kVA UPS COMMS ROOM / FCU 15-1 COMMS ROOM / FCU 15-2 COMMS ROOM / DAMPER FCU 15-1 COMMS ROOM / DAMPER FCU 15-2 COMMS ROOM/ DRAINPUMP FCU 15-1 COMMS ROOM/ DRAINPUMP FCU 15-2 COMMS ROOM / TEMPERATURE COMMS ROOM /SMOKE DETECTOR Call Centre CALL CENTRE / FCU CALL CENTRE / DRAIN PUMP Telepresence TELEPRESENCE / FCU | Water Leak DATA ROOM CABLE - 0m DATA ROOM FCU-1 - 0m DATA ROOM FCU-2 - 0m DATA ROOM FCU-3 - 0m DATA ROOM FCU-4 - 0m L16 PANTRY 1 - 0m CALL CENTRE FCU - 0m TELEPRESENCE FCU - 0m L16 PANTRY 2 - 0m BOARDROOM FCU - 0m L16 PANTRY 1 SWP TRAY - 0m FINANCE FCU - 0m COMMS ROOM - 0m COMMS ROOM FCU 1 - 0m L15 PANTRY - 0m L16 PANTRY2 SWP TRAY - 0m COMMS ROOM FCU 2 - 0m L15 PANTRY SWP TRAY - 0m | Temperature T1 – L16 WS 16164 - 23.60 T2 – ENCLOSED CALL CENTRE - 22.40 T3 – L16 WS 16075 - 22.40 T4 – L16 TRAINING ROOM - 19.60 T5 – L16 WS 16026 - 23.40 T6 – L15 WS 15027 - 23.90 T7 – L15 OUTSIDE HR ROOM - 23.70 DATA ROOM / TEMPERATURE - 22.60 DATA ROOM / HUMIDITY - 59.00 COMMS ROOM / TEMPERATURE - 21.80 COMMS ROOM / HUMIDITY - 68.30 BoardRoom BOARD ROOM / FCU BOARD ROOM / DRAIN PUMP BOARD ROOM / DAMPER (FCU) Finance FINANCE / FCU | | | | | |

Showing all the energy meter reading via Modbus protocol

| Home | Mimic | Consumption | Pie | Logs | Data Analysis | Temperature Trending | Settings | Logout |
|--|-------|--|-----|---|---------------|----------------------|----------|--------|
| MSB-15 9561.304KWH | | MSB-16 51438.730KWH | | Chilled Water Consumption 0.021 BTU | | | | |
| T1 - Real Estate Department 1358.381KWH | | T1 - Sales Department 10187.902KWH | | 00.000 BTU L15 | | | | |
| T2 - O&T Department 4103.222KWH | | T2 - Sales Department 3140.315KWH | | 00.021 BTU L16 | | | | |
| T3 - Marketing Department 2017.412KWH | | T3 - Customer Service Dept. 4612.866KWH | | Domestic Water Consumption 13.7230 M³ | | | | |
| T4 - Finance Department 8594.698KWH | | T4 - Call Centre 8118.398KWH | | 0.0100 M ³ L15 | | | | |
| T5 - Common 15 3474.354KWH | | T5 - Common 16 13183.964KWH | | 13.7130 M ³ L16 | | | | |

Pie Chart to Show the Percentage of Energy Usage in Different Departments

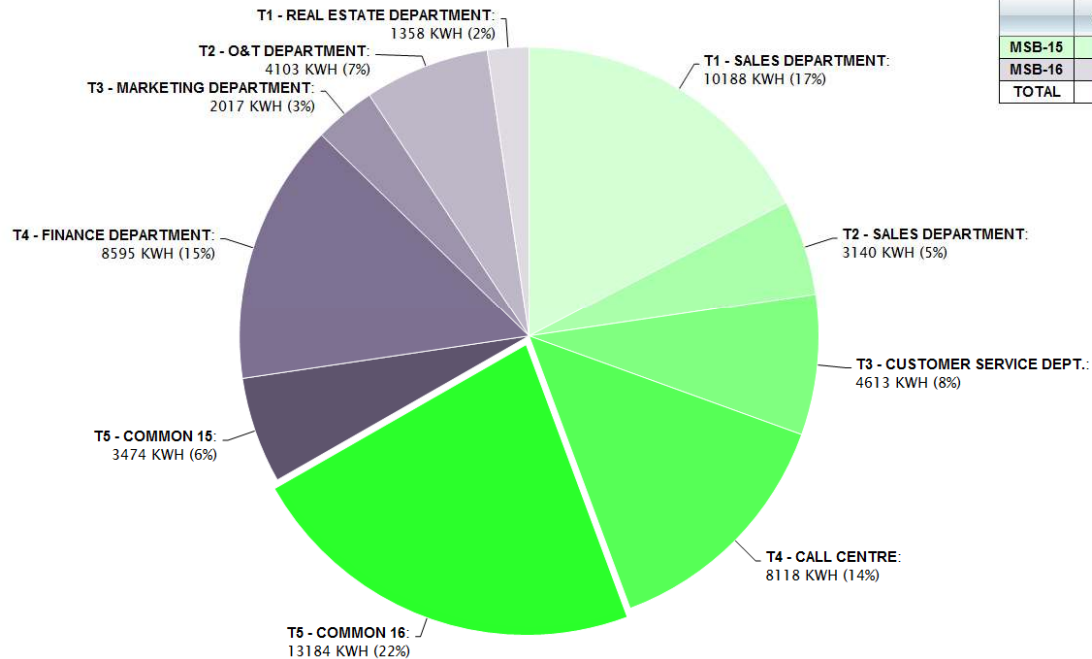
Home Mimic Consumption Pie Data Analysis Temperature Trending Logs Change Password Logout

Month: Year: 2011

TOTAL YEARLY POWER CONSUMPTION
Year: 2011



- T1 - SALES DEPARTMENT
- T2 - SALES DEPARTMENT
- T3 - CUSTOMER SERVICE DEPT.
- T4 - CALL CENTRE
- T5 - COMMON 16
- T5 - COMMON 15
- T4 - FINANCE DEPARTMENT
- T3 - MARKETING DEPARTMENT
- T2 - O&T DEPARTMENT
- T1 - REAL ESTATE DEPARTMENT



| | CONSUMPTION | EFFICIENCY |
|--------|--------------|-----------------|
| MSB-15 | 9561.00 KWH | 0.88 KWH/Sq.ft. |
| MSB-16 | 51439.00 KWH | 2.42 KWH/Sq.ft. |
| TOTAL | 61000.00 KWH | 1.90 KWH/Sq.ft. |

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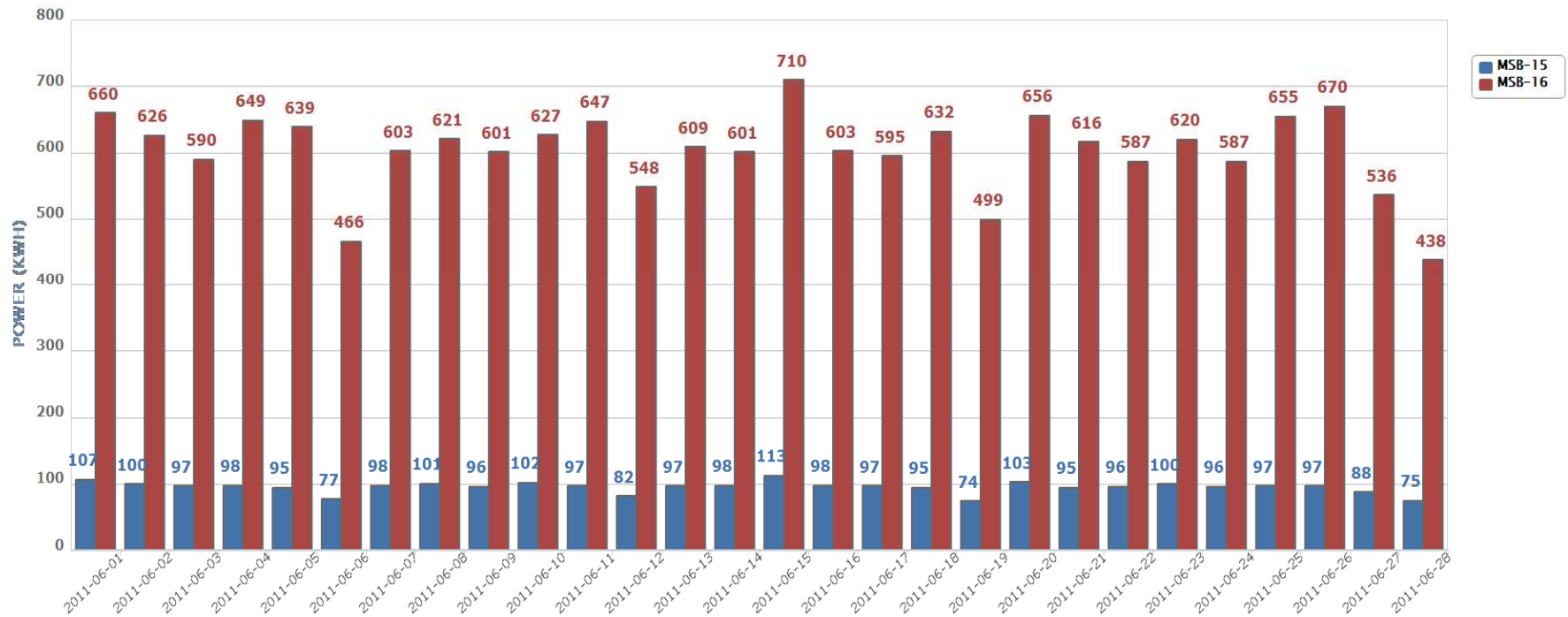
Daily Energy Consumption

Home Mimic Consumption Pie Data Analysis Temperature Trending Logs Change Password Logout

View as Consumption Type From To Year
Graphical 2 selected Daily 2011-06-01 2011-07-15 2011 Ok



DAILY POWER CONSUMPTION
From: 2011-06-01 To: 2011-07-15



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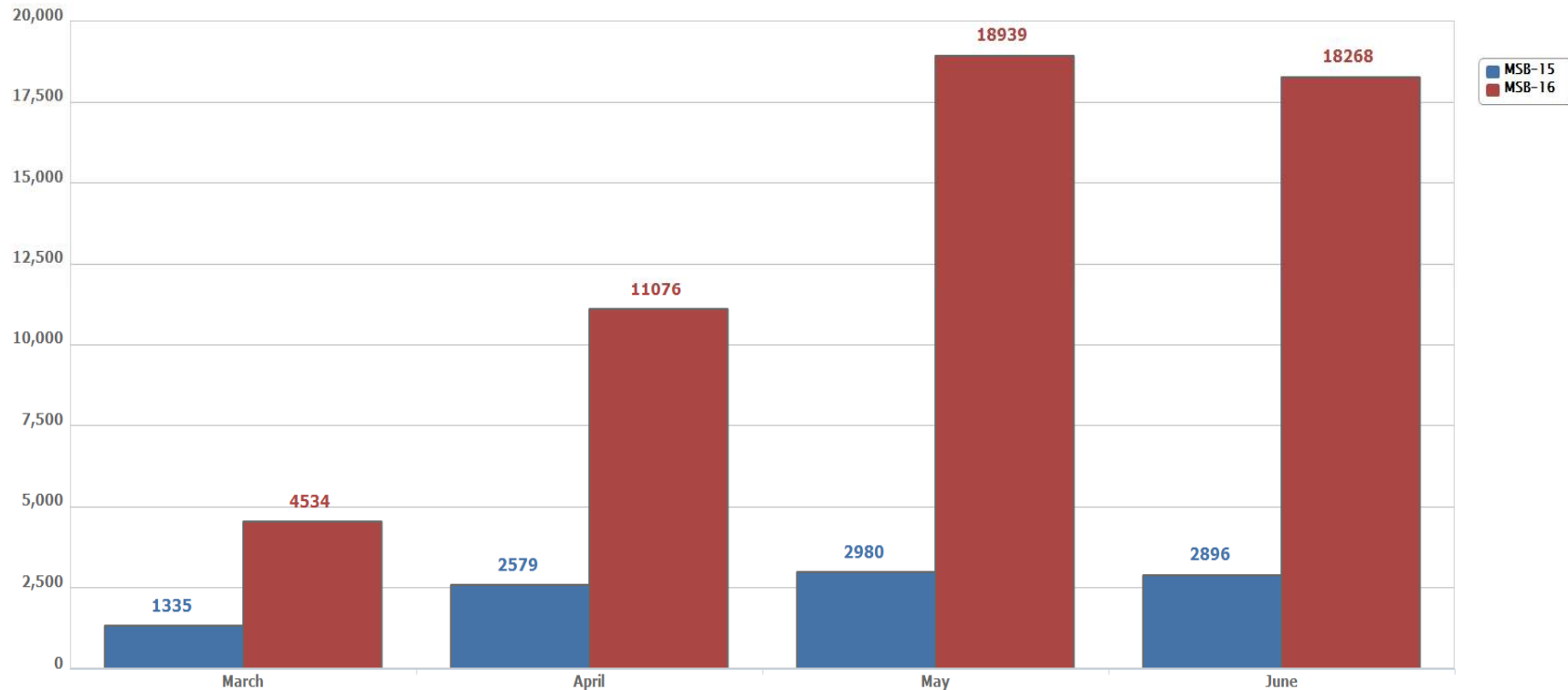
Monthly Energy Consumption

Home Mimic Consumption Pie Data Analysis Temperature Trending Logs Change Password Logout

View as Consumption Type From To Year
Graphical 2 selected Monthly Jan Jun 2011 Ok



MONTHLY POWER CONSUMPTION
From: January To: June



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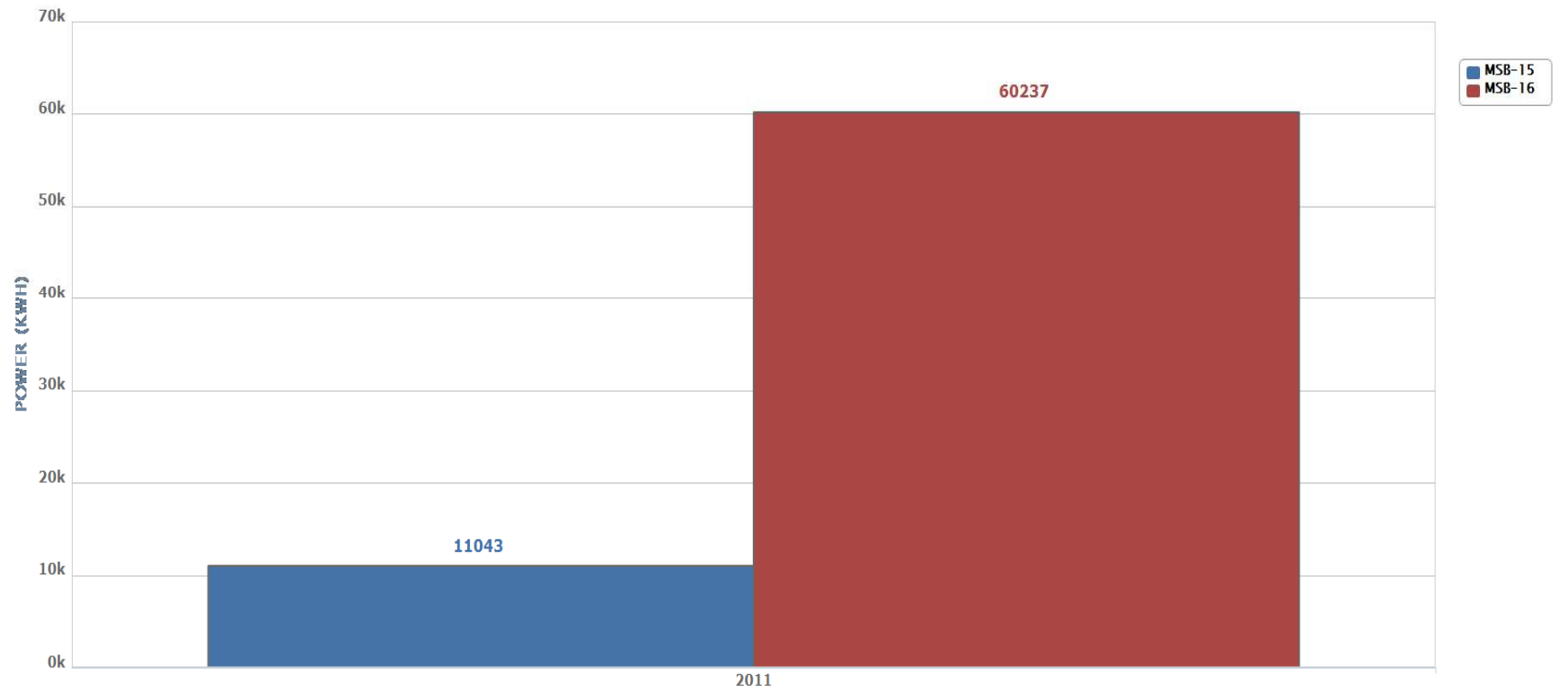
Yearly Energy Consumption

Home Mimic Consumption Pie Data Analysis Temperature Trending Logs Change Password Logout

View as Consumption Type From To Year
Graphical 2 selected Yearly 2011 2011 2011 Ok



YEARLY POWER CONSUMPTION
From: 2011 - 2011



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Trending – Temperature and Humidity

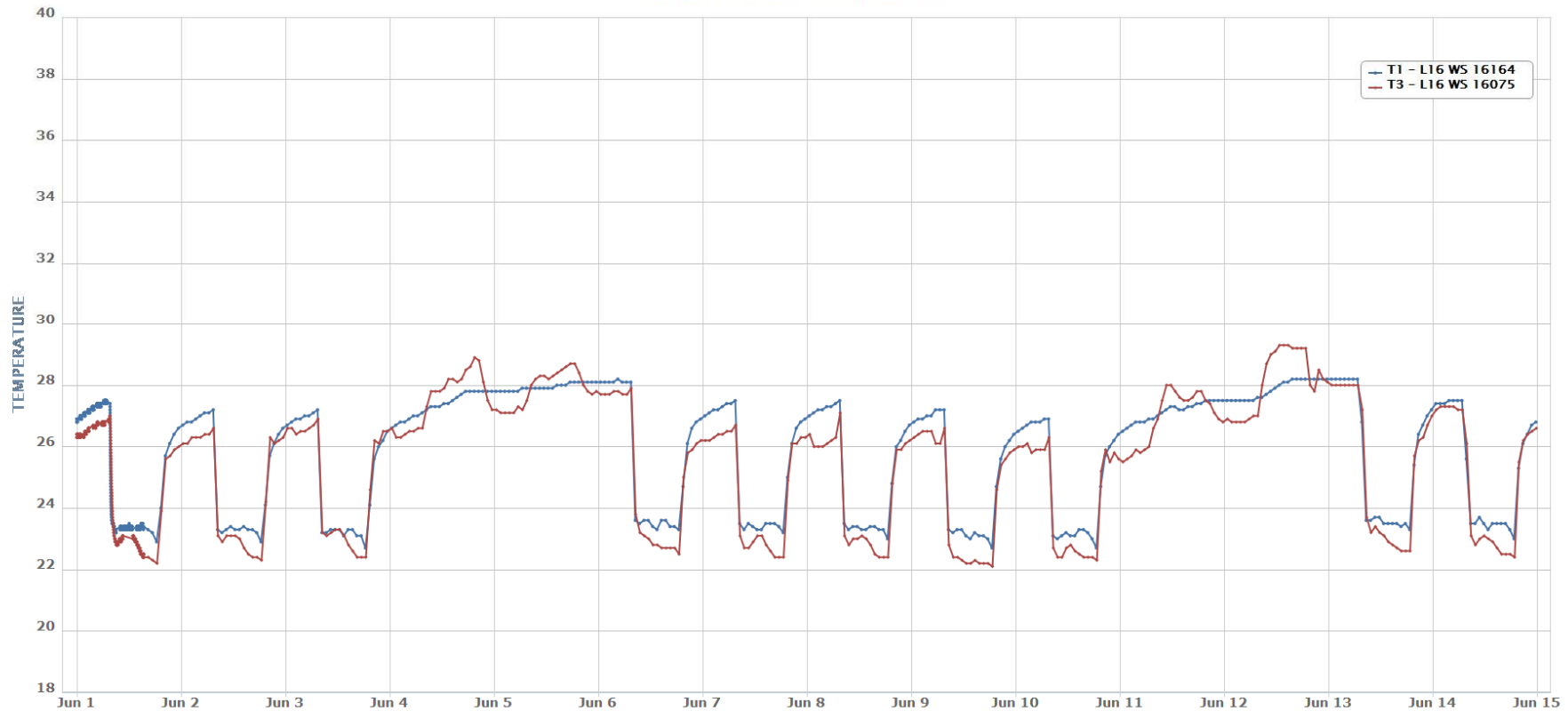
Home Mimic Consumption Pie Data Analysis Temperature Trending Logs Change Password Logout

Temperature From 2011-06-01 00 To 2011-06-15 00
2 selected * Hour Minute To Hour Minute Ok



TEMPERATURE TRENDING

From: 2011-06-01 00:00 - To: 2011-06-15 00:00



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