



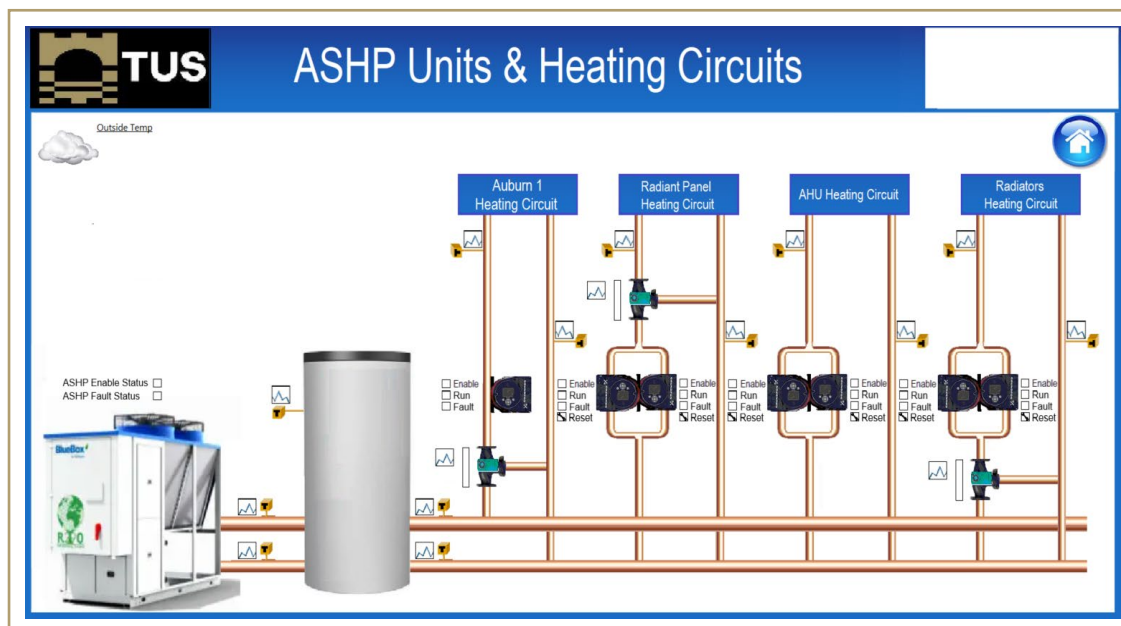
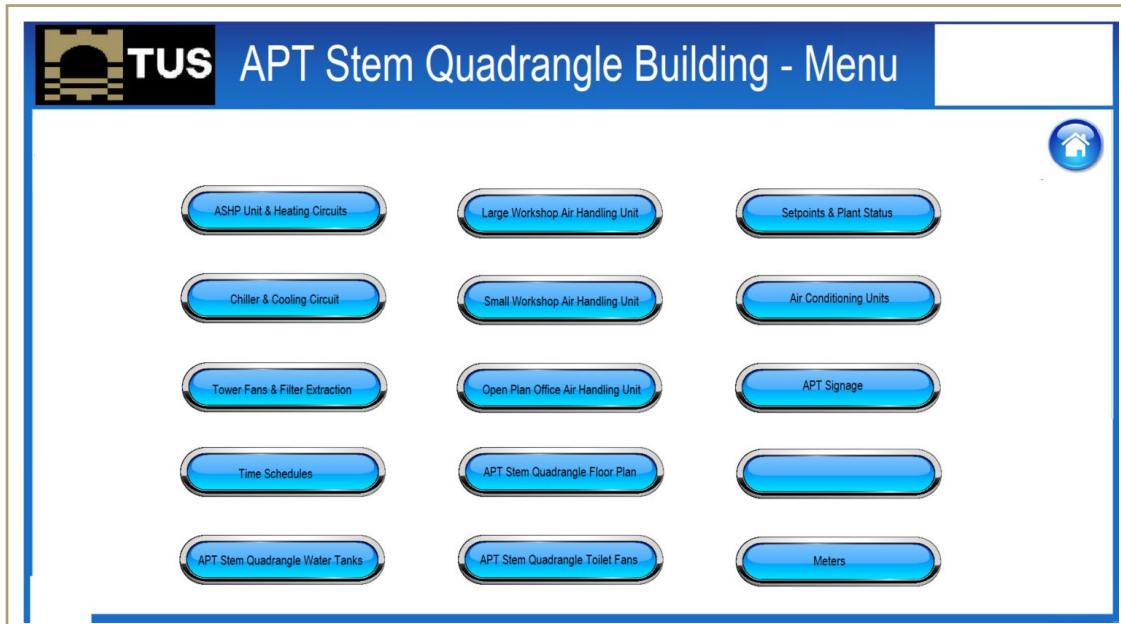
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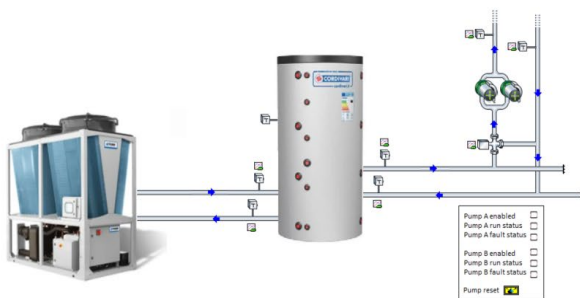
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Chiller Circuits



Chiller enabled ☐
Chilled fault ☐



Glycol unit fault status ☐



Tower Fans & Dust Extraction Units



Large Workshop G06
Tower Fan No.1



Unit enabled ☐
Unit run status ☐
Unit fault status ☐

Large Workshop G06
Tower Fan No.2



Unit enabled ☐
Unit run status ☐
Unit fault status ☐

Large Workshop G06
Tower Fan No.3



Unit enabled ☐
Unit run status ☐
Unit fault status ☐

Small Workshop G09
Tower Fan No.1



Unit enabled ☐
Unit run status ☐
Unit fault status ☐

Small Workshop G09
Tower Fan No.2



Unit enabled ☐
Unit run status ☐
Unit fault status ☐



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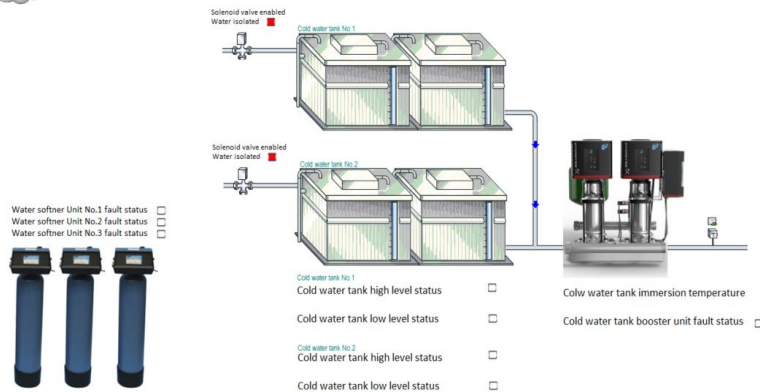
Time Schedules

Process Hall No.1 Workshop Air Handling Unit & Fume hoods (AHU01)	ASHP Unit
Process Hall No.2 Workshop Air Handling Unit & Fume hoods (AHU02)	AHU Constant temperature circuit
Open Plan Office Air Handling Unit (AHU03)	Hot Water Return
Radiator Circuit	APT Signage
Radiant Panels	Process Hall No.1 Workshop Windows
Chiller Circuit	Auburn 1 Circuit



Water Tanks

Outside Temp





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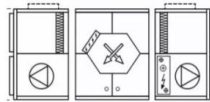


Large Workshop Air Handling Unit



Outside Temp

Large Workshop Air Handling Unit



Supply air temperature

Extract air temperature

Supply air airflow

Extract fan airflow

Temperature setpoint

Air handling unit enabled

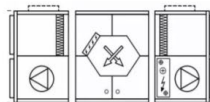


Small Work Shop Air Handling Unit



Outside Temp

Small Workshop Air Handling Unit



Supply air temperature

Extract air temperature

Supply air airflow

Extract fan airflow

Temperature setpoint

Air handling unit enabled

Ahu immersion flow temperature

Ahu immersion return temperature



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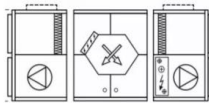
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Open Plan Office Air Handling Unit



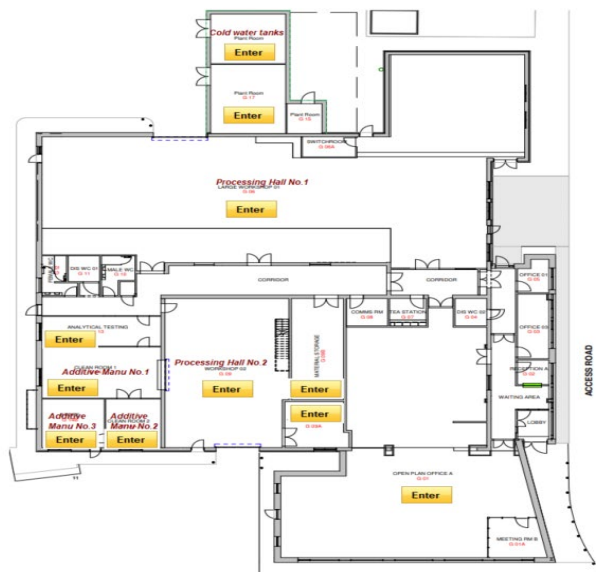
Open Plan Office Air Handling Unit



Supply air temperature
Extract air temperature
Supply air airflow
Extract fan airflow
Temperature setpoint
Air handling unit enabled
Ahu immersion flow temperature
Ahu immersion return temperature



Outside Temp





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Setpoints & Plant Status

Outside Temp

Additive Manufacturing No.1

Temperature
Room adjustable setpoint only
Valve open ☐

Additive Manufacturing No.2

Temperature
Room adjustable setpoint only
Valve open ☐

Open plan offices

Room CO2 level
Room CO2 setpoint
Windows open ☐

Materials storage

Temperature
Room adjustable setpoint only
Valve open ☐

Maintenance Workshop

Temperature
Room adjustable setpoint only
Valve open ☐

Analytical testing Lab

Temperature
Room adjustable setpoint only
Valve open ☐

Compressor fault status ☐
Compressor air dryer fault status ☐
Heating system pressurisation unit fault status ☐
Chilled water system pressurisation unit fault status ☐
Comms room ac fault status ☐

ASHP Unit fault status ☐
Radiator heating pump A fault status ☐
Radiator heating pump B fault status ☐
Constant temperature heating pump A fault status ☐
Constant temperature heating pump B fault status ☐
Radiant heating pump A fault status ☐
Radiant heating pump B fault status ☐
Hot water return pump fault status ☐

Chiller Unit fault status ☐
Chilled water pump A fault status ☐
Chilled water pump B fault status ☐

Cold water tank No.1 low level fault status ☐
Cold water tank No.1 high level fault status ☐
Cold water tank No.2 low level fault status ☐
Cold water tank No.2 high level fault status ☐
Cold water tank booster unit fault status ☐

Water softener No.1 fault status ☐
Water softener No.2 fault status ☐
Water softener No.3 fault status ☐
Glycol unit fault status ☐

Main electrical mcb trip status ☐
Power factor unit fault status ☐
UPS run status ☐
UPS fault status ☐
Intruder alarm status ☐
Disabled call panel status ☐
Fire relay status ☐

Extract Fans

Outside Temp

Main toilet extract fan

Extract fan enabled ☐
Extract fan run status ☐
Extract fan fault status ☐
Extract fan operating speed

Disabled person toilet extract fan

Extract fan enabled ☐
Extract fan run status ☐
Extract fan fault status ☐
Extract fan operating speed

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EXIT

1

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

2

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

3

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

4

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

5

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

6

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

7

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

8

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

9

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

10

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

11

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

12

AC Unit Setpoint Temperature

AC Unit Ambient Temperature

AC Unit Filter Status

AC Unit On / Off Status

AC Unit Operational Mode

AC Unit Fault Code

Operational Mode Code :

0=Auto, 1=Heat, 2=Dry, 3=Fan, 4=Cool,

5=AutoHeat, 6=AutoCool

Fault Code :

0=No Error, XXX Number = Fault (Ref Manual)

Filter Status Code :

0=Normal, 1=Fault

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APT Signage

Outside Temp

Signage

Enable ☐

Status ☐

Fault ☐

7

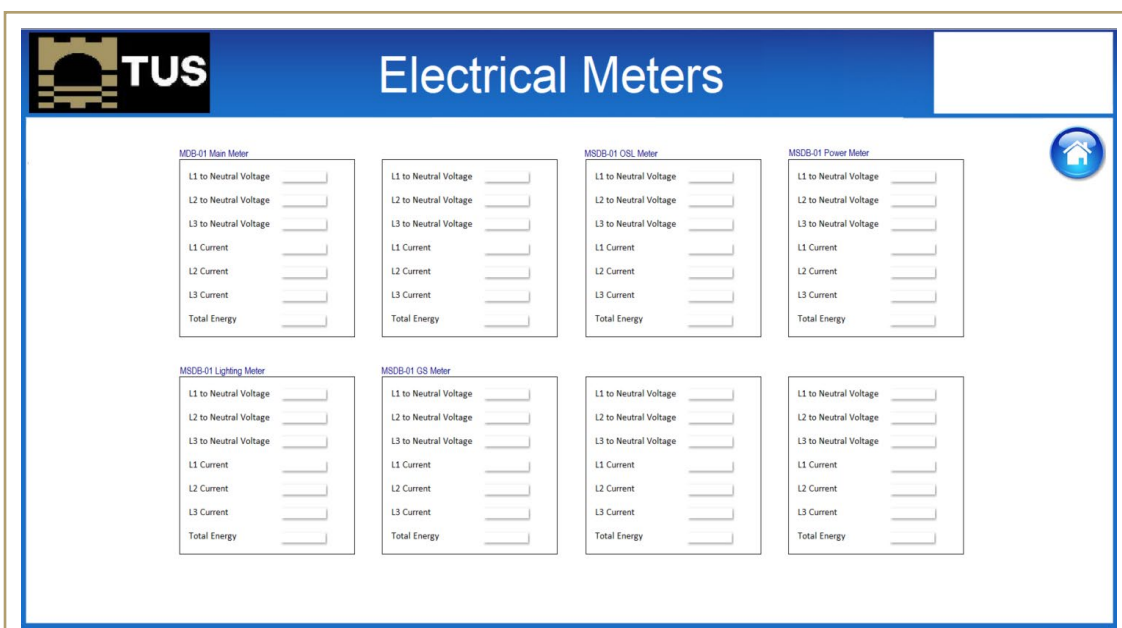
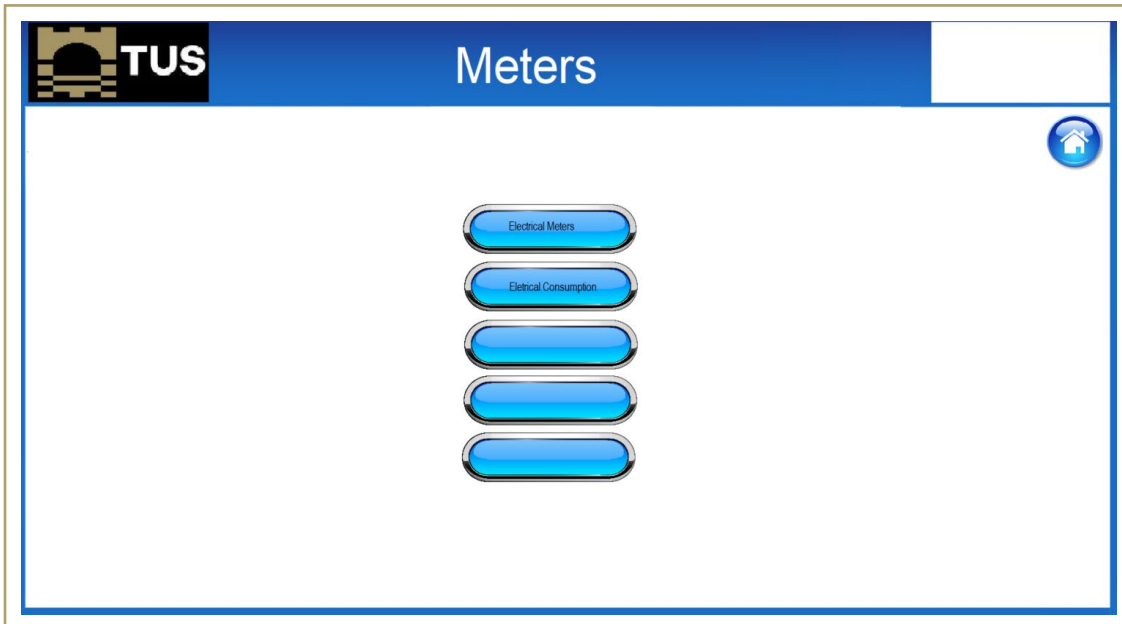


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APT - Electrical Consumption

MSDB-01 Main Meter

☒ Hourly Rate
☒ Daily Total
☒ Weekly Total
☒ Monthly Total
☒ Accum Total

MSDB-01 CSL Meter

☒ Hourly Rate
☒ Daily Total
☒ Weekly Total
☒ Monthly Total
☒ Accum Total

MSDB-01 Power Meter

☒ Hourly Rate
☒ Daily Total
☒ Weekly Total
☒ Monthly Total
☒ Accum Total

MSDB-01 Lighting Meter

☒ Hourly Rate
☒ Daily Total
☒ Weekly Total
☒ Monthly Total
☒ Accum Total

MSDB-01 GS Meter

☒ Hourly Rate
☒ Daily Total
☒ Weekly Total
☒ Monthly Total
☒ Accum Total

☒ Hourly Rate
☒ Daily Total
☒ Weekly Total
☒ Monthly Total
☒ Accum Total

☒ Hourly Rate
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