

EX01-ADC-0-A-03
FUTURE

EX01-ADC-0-A-02

EX01-ADC-0-A-01

EX01-PAC-0-A-03
FUTURE

EX01-PAC-0-A-02
Cct1 Cct2

EX01-PAC-0-A-01
Cct1 Cct2

EX01-BUV-0-A-01

EX01-BUV-0-A-02

EX01-EFM-0-A-01
21 lps
Negative Flow Alarm

Chilled Water Pumps

Flow Return

Plant Control

Plant Control	
Adiabatic Inlet Flow Sp	21.0 lps
EX01-ADC-0-A-01 Sp	
EX01-ADC-0-A-02 Sp	
EX01-PAC-0-A-01 Sp	21.0 °C
EX01-PAC-0-A-02 Sp	21.0 °C

Chilled Water Secondary Pumps

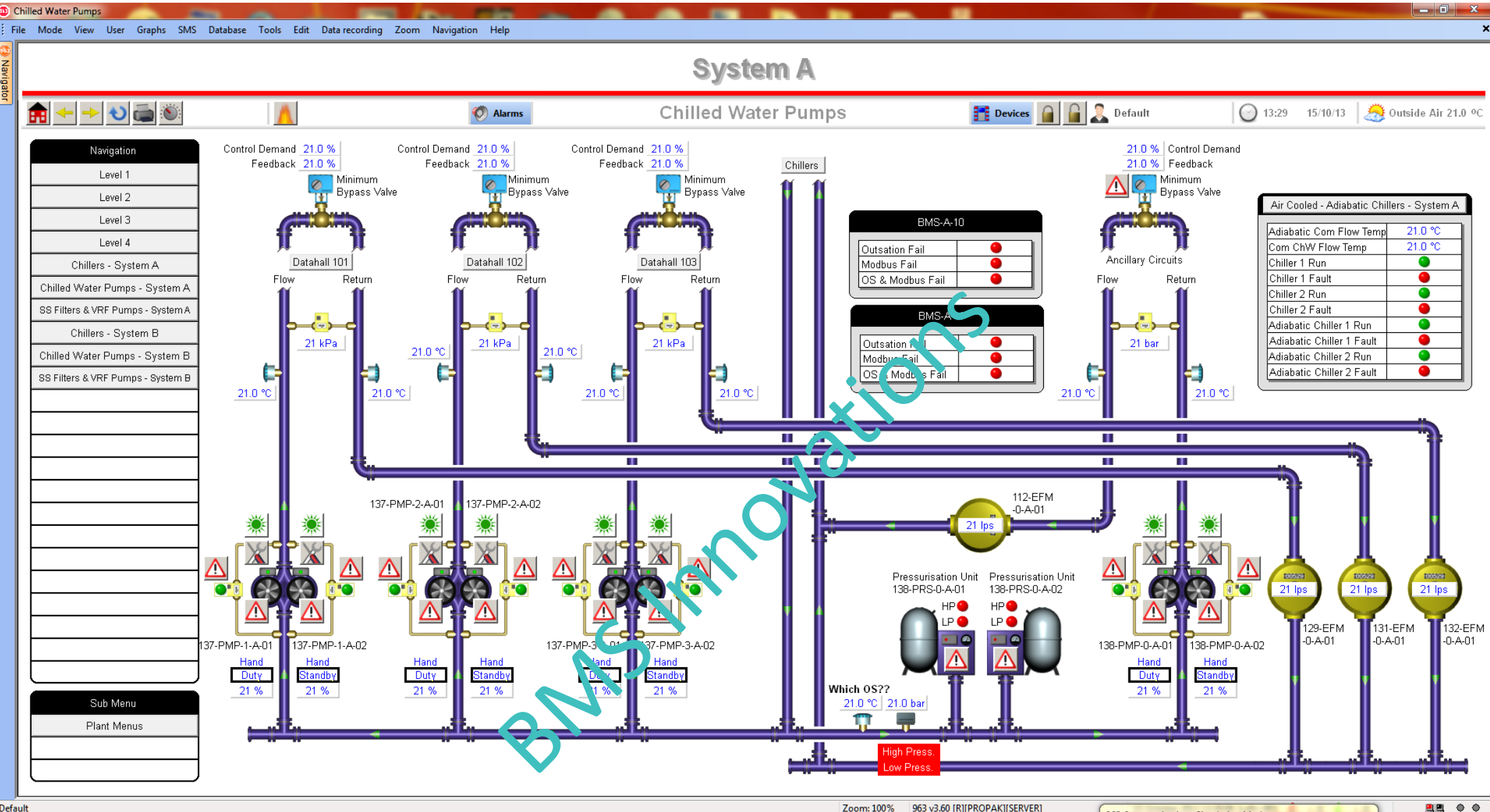
Chilled Water Secondary Pumps	
137-PMP-1-A-01 Run	●
137-PMP-1-A-02 Run	●
137-PMP-2-A-01 Run	●
137-PMP-2-A-02 Run	●
137-PMP-3-A-01 Run	●
137-PMP-3-A-02 Run	●
138-PMP-0-A-01 Run	●
138-PMP-0-A-02 Run	●

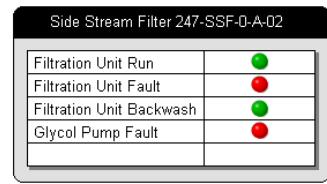
Plant Information

Plant Information	
Trace Heating Circuit 1	●
Trace Heating Circuit 2	●
Trace Heating Circuit 3	●
Water LD Cable Break	●
Water LD Common Fault	●
Water Leak Detected	●

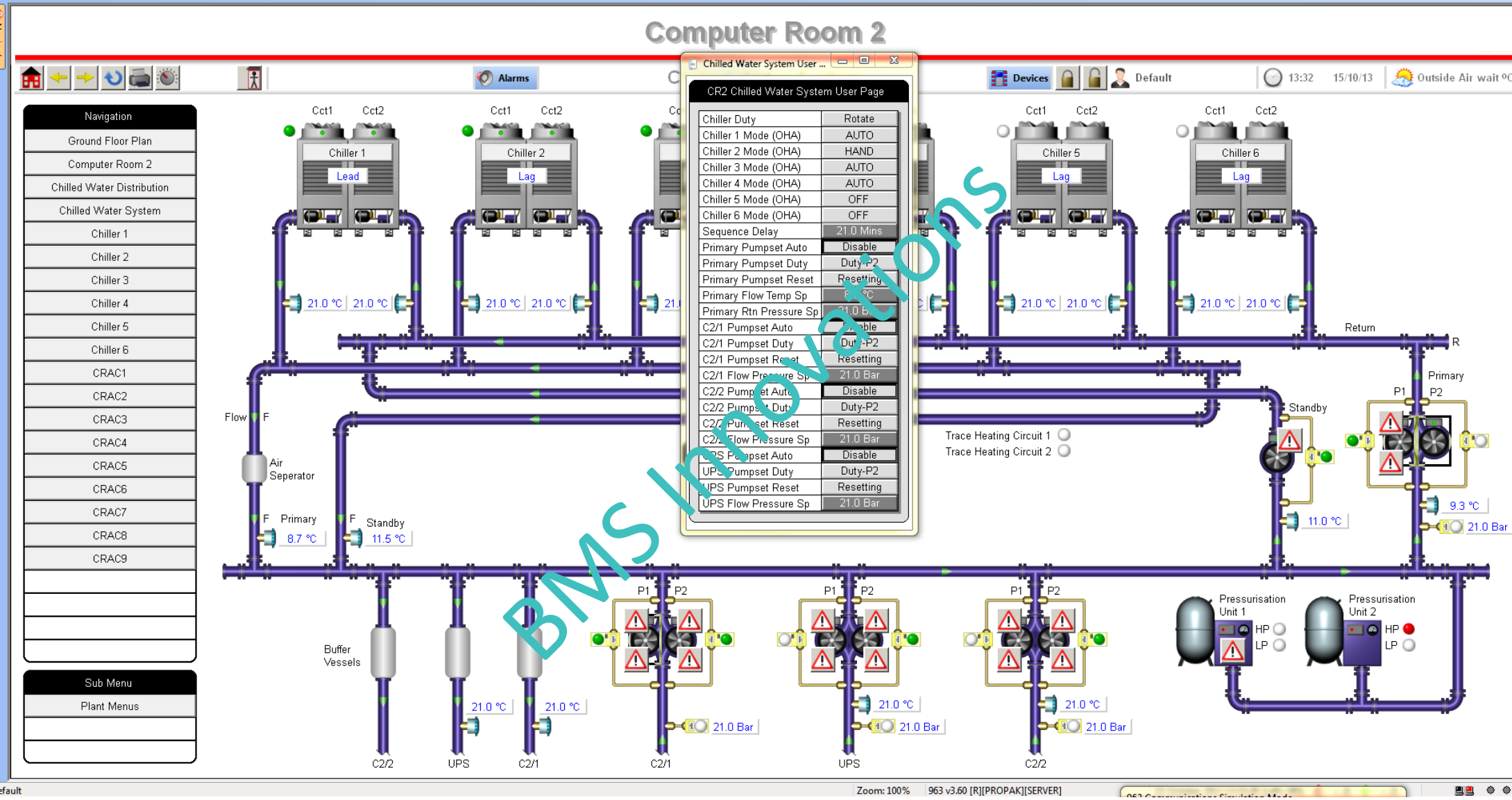
MCP-A-4-1

MCP-A-4-1	
Supply Healthy	●

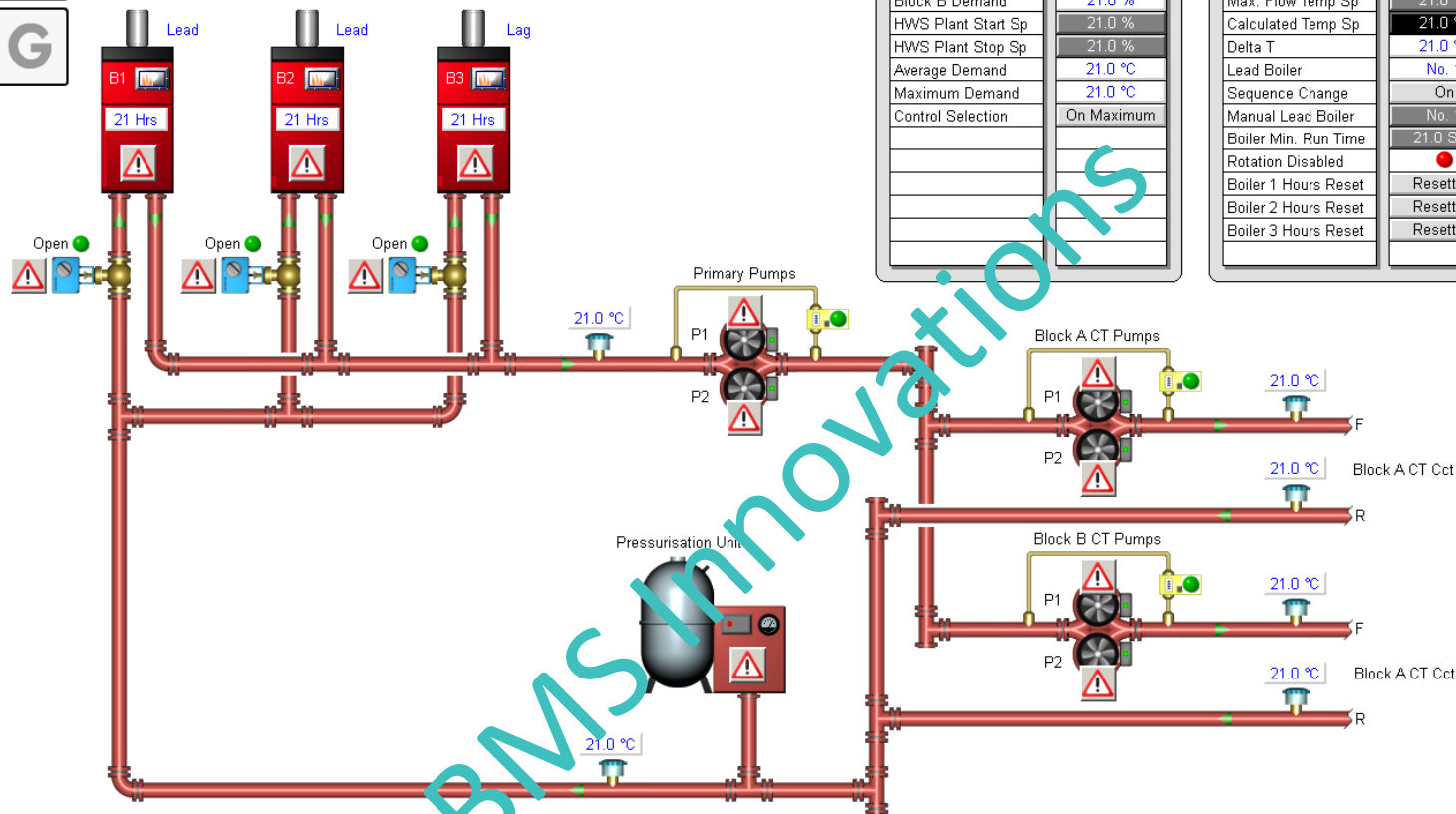




Chiller Duty	Rotate
Chiller 1 Mode (OHA)	AUTO
Chiller 2 Mode (OHA)	HAND
Chiller 3 Mode (OHA)	AUTO
Chiller 4 Mode (OHA)	AUTO
Chiller 5 Mode (OHA)	OFF
Chiller 6 Mode (OHA)	OFF
Sequence Delay	21.0 Mins
Primary Pumpset Auto	Disable
Primary Pumpset Duty	Duty-P2
Primary Pumpset Reset	Resetting
Primary Flow Temp Sp	7.0 °C
Primary Rtn Pressure Sp	21.0 Bar
C2/1 Pumpset Auto	Disable
C2/1 Pumpset Duty	Duty-P2
C2/1 Pumpset Reset	Resetting
C2/1 Flow Pressure Sp	21.0 Bar
C2/2 Pumpset Auto	Disable
C2/2 Pumpset Duty	Duty-P2
C2/2 Pumpset Reset	Resetting
C2/2 Flow Pressure Sp	21.0 Bar
UPS Pumpset Auto	Disable
UPS Pumpset Duty	Duty-P2
UPS Pumpset Reset	Resetting
UPS Flow Pressure Sp	21.0 Bar



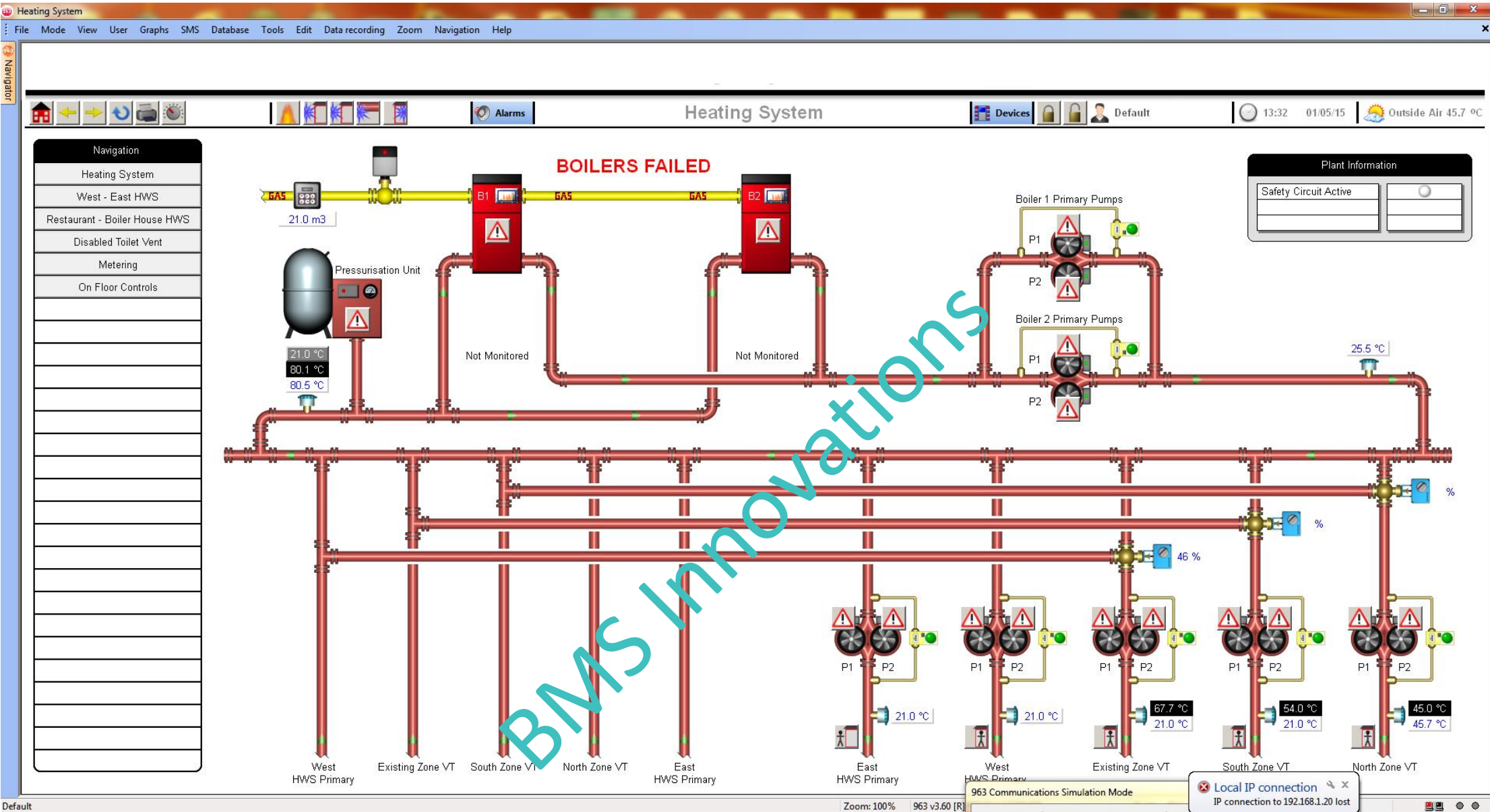
1
G



Boiler Information	
Min. Flow Temp Sp	21.0 °C
Max. Flow Temp Sp	21.0 °C
Calculated Temp Sp	21.0 °C
Delta T	21.0 °C
Lead Boiler	No. 1
Sequence Change	On
Manual Lead Boiler	No. 1
Boiler Min. Run Time	21.0 Sec
Rotation Disabled	
Boiler 1 Hours Reset	Resetting
Boiler 2 Hours Reset	Resetting
Boiler 3 Hours Reset	Resetting

Pump Information	
Enable Weekly Reset	On
Pump Hrs Changeover	21.0 hrs
Pri. Pmps Fault Reset	Resetting
Pri. Pmp P1 Hrs Run	21.0 Hrs
Pri. Pmp P1 Hrs Reset	Resetting
Pri. Pmp P2 Hrs Run	21.0 Hrs
Pri. Pmp P2 Hrs Reset	Resetting
Block A Fault Reset	Resetting
Block A P1 Hrs Run	21.0 Hrs
Block A P1 Hrs Reset	Resetting
Block A P2 Hrs Run	21.0 Hrs
Block A P2 Hrs Reset	Resetting
Block B Fault Reset	Resetting
Block B P1 Hrs Run	21.0 Hrs
Block B P1 Hrs Reset	Resetting
Block B P2 Hrs Run	21.0 Hrs
Block B P2 Hrs Reset	Resetting

Plant Information	
Mains Power	
Safety Circuit	
HW Plant Call	
Summer Htg Inhibit Sp	21.0 °C
Summer Htg Inhibit	
Stage 1 Frost Sp	21.0 °C
Stage 1 Frost Pump Runtime	21.0 sec
Stage 1 Frost Active	
Stage 2 Frost Sp	21.0 °C
Stage 2 Frost Active	
OAT Hold Off AHU	21.0 °C
Rtn Temp Enable AHU	21.0 °C
Cold Weather I/lock	



Navigation

Auditorium Floor Plan

Time Zones

AHU1

AHU2

Heat Pump - Bore Holes

LTHW System

UFH Manifolds & House Controls

Cooling Plant

Heat Recovery Units

Natural Vent & Fan Connectors

Floor Temperatures

Energy Meters

Utility Metering

Miscellaneous

MCP1 Failure MCP2 Failure

Alarms

LTHW System

Devices

Default

13:31 01/05/15

Outside Air 21.0 °C

Navigation

Auditorium Floor Plan

Time Zones

AHU1

AHU2

Heat Pump - Bore Holes

LTHW System

UFH Manifolds & House Controls

Cooling Plant

Heat Recovery Units

Natural Vent & Fan Connectors

Floor Temperatures

Energy Meters

Utility Metering

Miscellaneous

CT Heating Circuit

F

1.0 °C

High Limit

P.C.T.1

P.C.T.2

CV69 %

HM LTHW1

21.0 kW

Heating Press. Unit

45.7 °C

F

Heat Pump/Bore Holes

R

GSHP Buffer Vessel

Pressurisation Unit (Bore hole Side)

21.0 kW

HM HP03

21.0 °C

25.5 °C

PLTHW.1

PLTHW.2

CV131

Open Fb

Enabled

B1

B2

P.B.O.1

P.B.O.2

30.5 °C

HM LTHW2

21.0 kW

F

HWS Calorifier

21.0 DegC

21.0 °C

HWS Circuit

HWS Return

21.0 °C

Running

In Pasturisation Mode

Preheat Calorifier

21.0 °C

CV70 %

High Limit

CV71 %

High Limit

CW In

HWS Shunt Pump

45.7

Summer/Winter Modes

Summer Mode

Winter Cooling Inhibit

Frost Conditions

Stage 1 Frost

Stage 2 Frost

Safety Interlocks

Plantroom Knock Off

ElectroThermal Links

Gas Detected

963 Communications Simulation Mode

Local IP connection

IP connection to 192.168.1.20 lost

Default

Zoom: 100% 963 v3.60 [R]

BMS Innovations

Navigator



Alarms

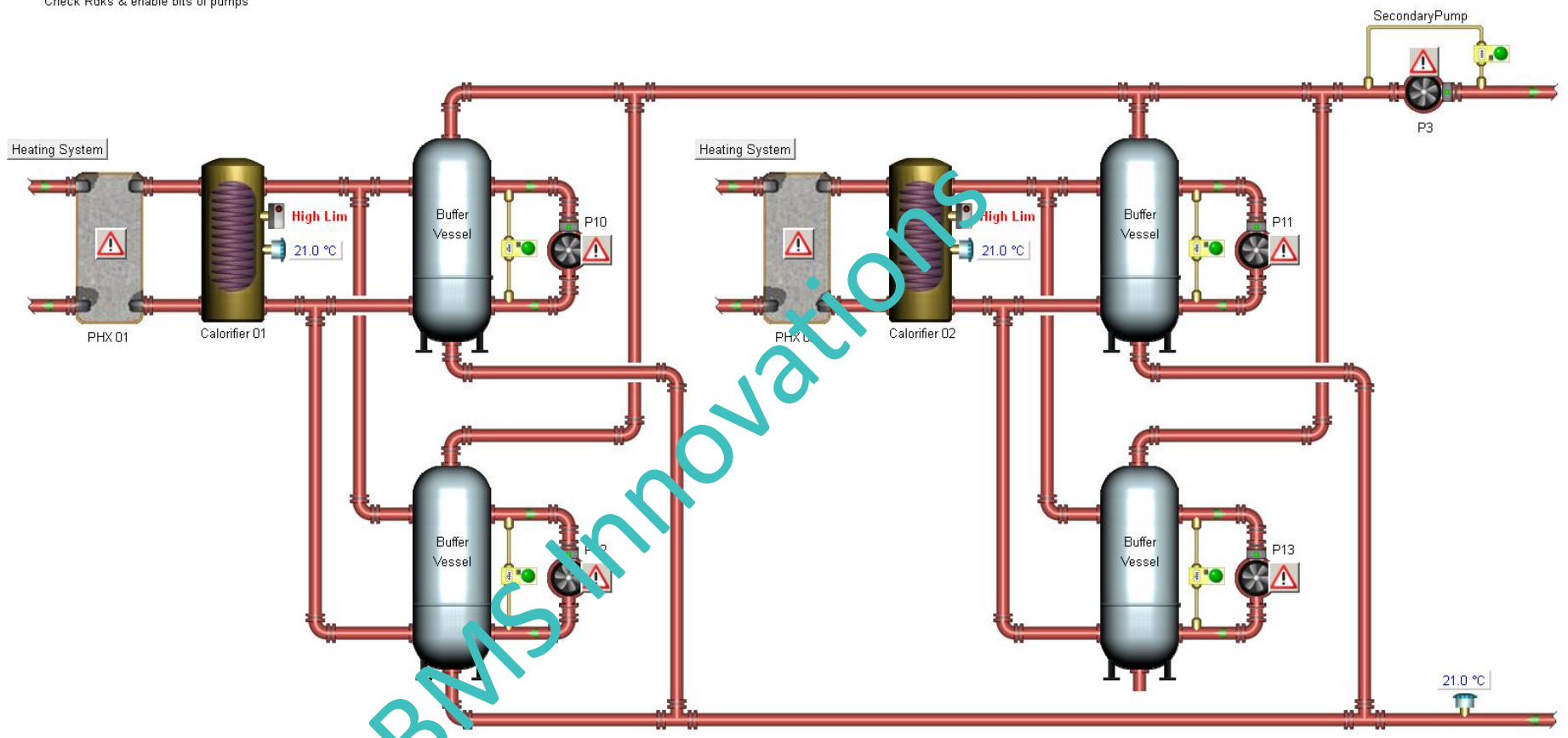
Healthcare - HWS

Devices Default

13:28 01/05/15 Outside Air 21.0 °C

- Navigation
- Block A & B - Heating System
 - Block A & B - Ops Heat Pumps
 - Block A & B - HWS
 - Block C & D - Heating System
 - Block C & D - HWS
 - Healthcare - Heating System
 - Healthcare - HWS
 - Healthcare - Hospital Block AHU
 - Healthcare - Healthcare Unit AHU
 - Healthcare - Ground Floor AHU
 - Kitchen - Heating System
 - Kitchen - HWS
 - Kitchen - Domestic Water Services
 - Kitchen - AHU
 - Kitchen - Ancillary AHU
 - Visitors - Heating System
 - Visitors - AHU
 - Miscellaneous

Check Rdk's & enable bits of pumps

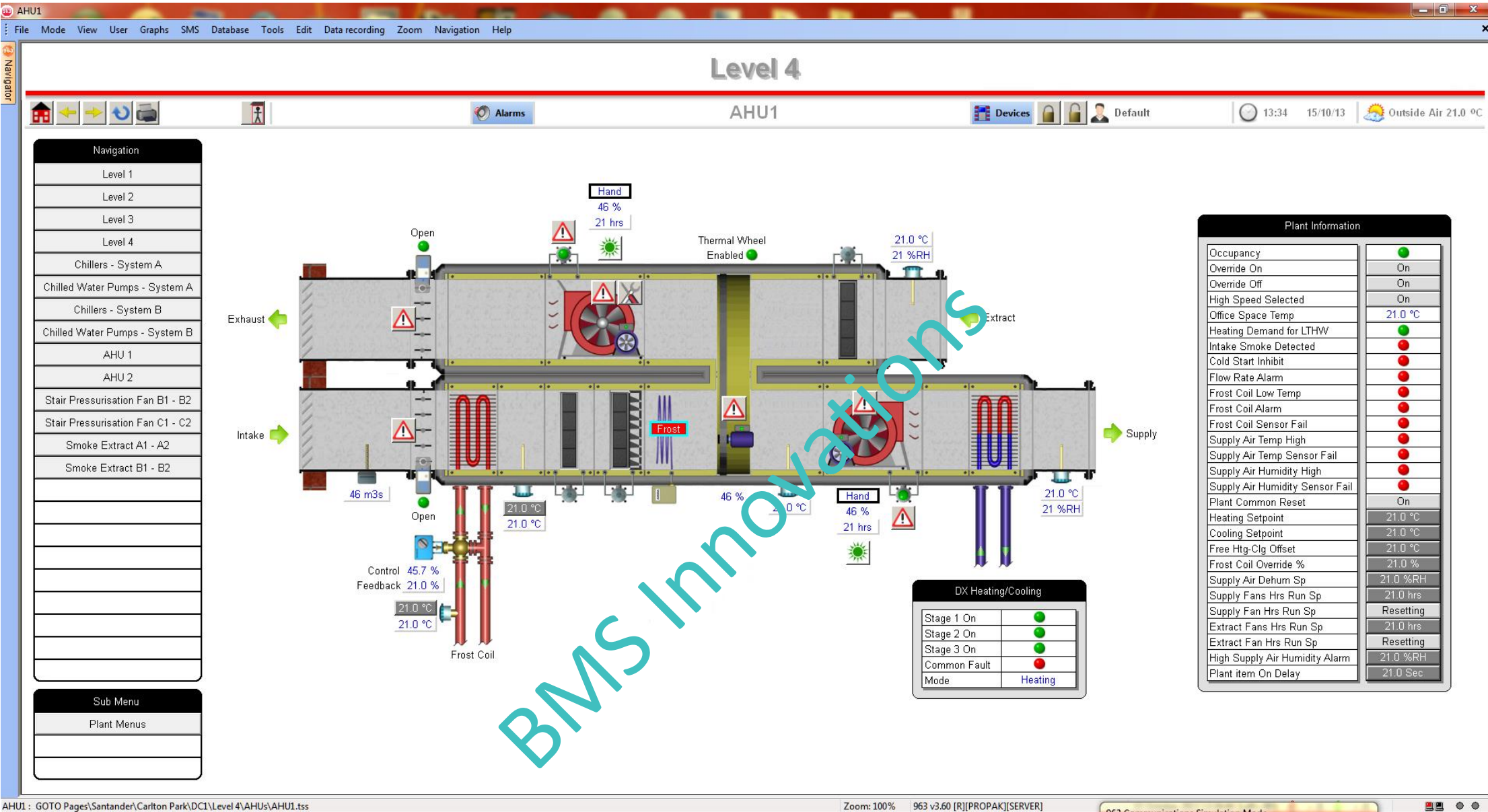


Default

Zoom: 100% 963 v3.60 [R]

963 Communications Simulation Mode

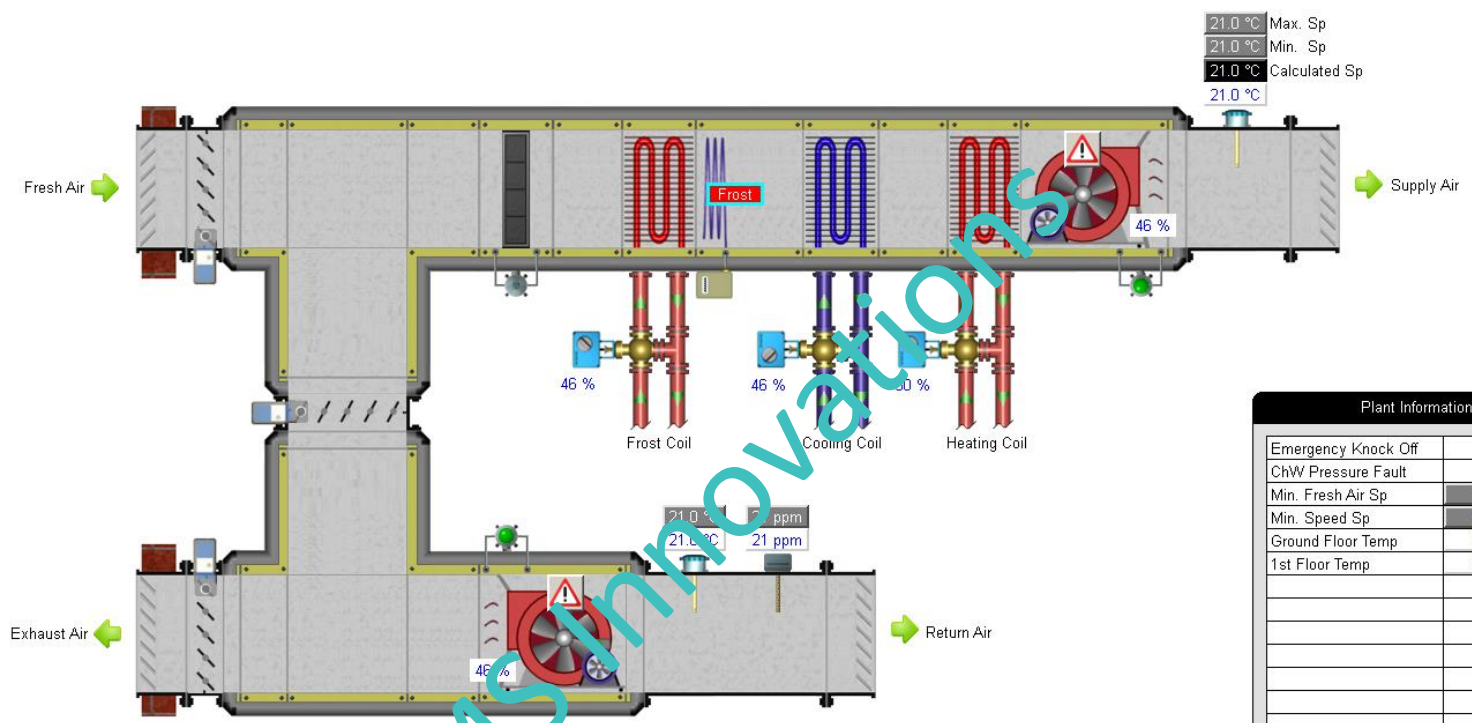
339) = 4 = 3



Navigator

- Navigation
- Heating System
 - Hot Water Heater
 - Block A ChW Plant
 - Block B ChW Plant
 - AHU 1
 - AHU 2
 - AHU 3
 - AHU 4
 - AHU 5
 - AHU 6
 - AHU 7
 - AHU 8
 - AHU 9
 - AHU 10
 - AHU 11
 - AHU 12
 - AHU 13
 - AHU 14
 - AHU 15
 - Kitchen / Dining Vent
 - Metering

1
G



Plant Information	
Emergency Knock Off	☐
ChW Pressure Fault	☐
Min. Fresh Air Sp	21.0 %
Min. Speed Sp	21.0 %
Ground Floor Temp	21.0 °C
1st Floor Temp	21.0 °C

AHU2-Changing Area

File Mode View User Graphs SMS Database Tools Edit Data recording Zoom Navigation Help

Navigation

Alarms

AHU2-Changing Area

Devices

Default

13:43 15/10/13 Outside Air 21.0 °C

Navigation

Heating System

DHW Calorifier

Gnd/1st Floor Radiator Cct Pumps

Pool Water Systems

Jacuzzi/Suana Systems

Water Features

AHU1A- Main Pool

AHU1B - Main Pool

AHU2 - Changing Area

AHU3 - Health Suite/Gym

AHU4 - Cafe

Fans

Metering

Miscellaneous

Exhaust

Supply

Return

Recuperator

46 %

95 %

21.0 °C

21.0 °C

21.0 °C

21.0 °C

DX Condensed Air From Reception

Plant Information

AHU Timezone	On
AHU Override	On
AHU Frost Stop Sp	21.0 °C
Recept. A/C Timezone	On
Recept. A/C Override	On
Reception AC Comp.	●
Reception AC Unit	●

Plant Rooms

Generator Systems

Devices

11:42 01/11/12 Outside Air 21.0 °C

Navigation

Ground Floor Plan

Plant Rooms

Diesel Room AHU P2-1

UPS Room AHU P2-2

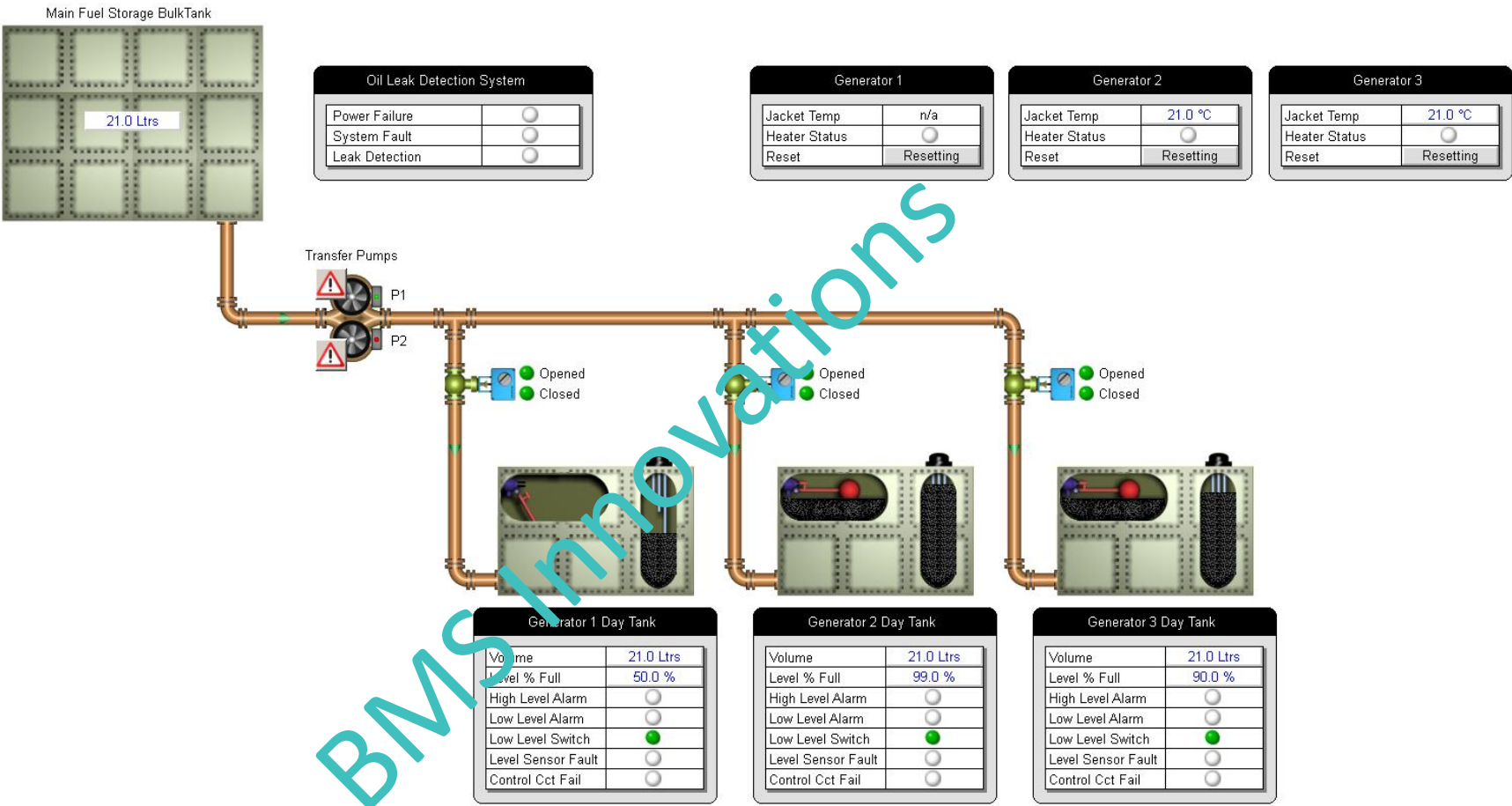
UPS Room ChW Distribution

Generators Systems

Security Fire Panel

Sub Menu

Plant Menus



Heating System User Page

Blocks A & B - Heating System User Page

Heating Systems

Boiler HWS Sp	21.0 °C
Boiler Lead Select	Boiler 21
OAT Hold Off	21.0 °C
OAT Summer/Winter Sp	21.0 °C
All Pumps Reset	Reset
Summer/Winter	Winter
Ops Heat Pumps	Rotate

Primary Pumps

Pump Changeover	Rotate
-----------------	--------

A Wing - VT

Space Temp Sp	21.0 °C
Pressure Sp	21.0 Bar
Minimum Pressure	21.0 Bar
Pump Changeover	Rotate
VT OAT Maximum	21.0 °C
VT OAT Minimum	21.0 °C
Minimum Flow (Day)	21.0 °C
Maximum Flow (Day)	21.0 °C
Minimum Flow (NSB)	21.0 °C
Maximum Flow (NSB)	21.0 °C
Calc. Flow Setpoint	21.0 °C

B Wing - VT

Space Temp Sp	21.0 °C
Pressure Sp	21.0 Bar
Minimum Pressure	As before
Pump Changeover	Rotate
VT OAT Maximum	As before
VT OAT Minimum	As before
Minimum Flow (Day)	21.0 °C
Maximum Flow (Day)	21.0 °C
Minimum Flow (NSB)	21.0 °C
Maximum Flow (NSB)	21.0 °C
Calc. Flow Setpoint	21.0 °C

Typical User page popup

BMS Innovations