



DICKSON

Environmental Monitoring + Compliance Experts

DICKSON ASIA-PACIFIC

<https://dicksondata.com/en-my>

Company Private and Confidential

DICKSON
Environmental Monitoring + Compliance Experts

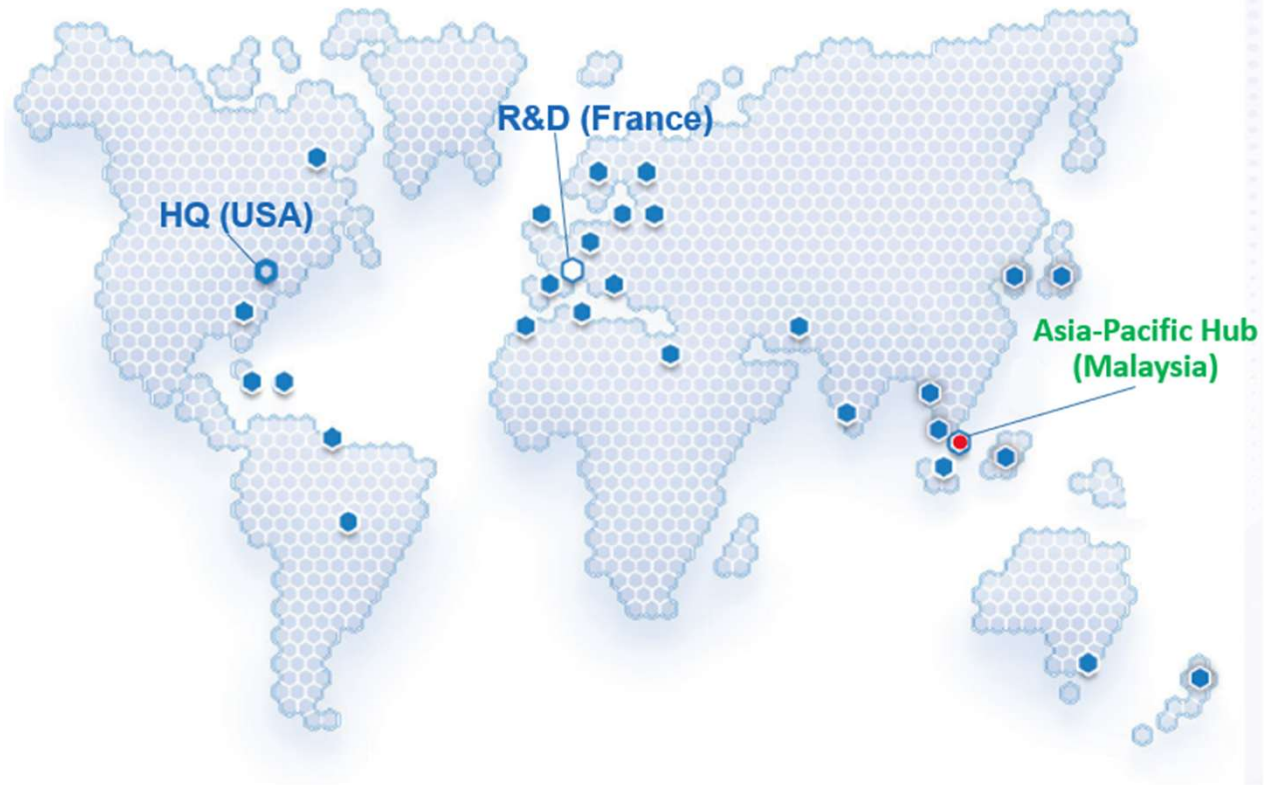
GLOBAL LEADER / ENVIRONMENTAL MONITORING SOLUTIONS (EMS)

Technology Leader (IoT)

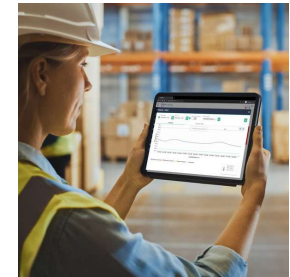
- Wireless, Automated, Real-Time
- T., RH, CO2, D.P, Lux, Dry Contact, 4-20 mA
- > 125 years in EMS
- Global footprint, Regional expertise
- +80,000 customers

Compliance Expert

- US FDA / EU GMP / WHO / ISPE / USP
- 21 CFR Part 11 Guidelines
- GxP (cGMP, GDP, GLP, GCP)
- ISPE GAMP® 5 / CSV
- ISO 15189:2012



ASIA-PACIFIC / REGIONAL RESOURCES AND EXPERTISE



In-house resources in Malaysia:

- Logistics Hub → stock
- Calibration Laboratory → ISO17025
- Technical Support Center → same time zone!
- Professional Services → Mapping, installation, training, validation

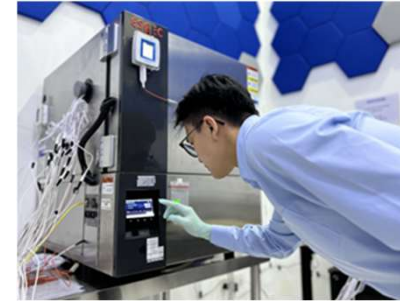
→ Closer, faster and cost-effective!

IN-HOUSE CALIBRATION LAB / ISO17025 ACCREDITED

Ranges

- Liquid Nitrogen: -196°C.
- Air Environment: -40°C to 100°C.
- Liquid Environment: -80°C to 150°C.
- Relative Humidity: 10% rh to 90% rh @ 5°C, 25°C, 50°C.
- Differential Pressure: 0Pa to 130Pa.

SKU (non accredited)	SKU (ISO17025 accredited)	Equipment Type/ Use Case	Calibration Points	Calibration and Measurement Capability (CMC)
Temperature (liquid environment)				
CAL.PT1.L	CAL.PT1.L.ISO	ULT	-80°C, -40°C, 0°C	0.09°C
CAL.TEM.L.FRZ	CAL.TEM.ISO.L.FRZ	Freezers	-30°C, -20°C, 0°C	0.09°C
CAL.TEM.L.FRG	CAL.TEM.ISO.L.FRG	Fridge	0°C, 5°C, 10°C	0.09°C
CAL.PT1.UL	CAL.PT1.UL.ISO	Nitrogen Storage Tank (LN2)	-196°C, -80°C, 0°C	0.4°C
CAL.SDS	CAL.SDS.ISO	for temperature Smart DS only - Fridges, Freezers, Oven	-30°C, 0°C, 30°C, 60°C	0.1°C
CAL.PT1.H	CAL.PT1.H.ISO	Oven	60°C, 90°C, 120°C, 150°C	0.1°C
Temperature (air environment)				
CAL.TEM.A.INC2	CAL.TEM.ISO.A.INC2	Incubator	35°C, 37°C, 39°C.	0.4°C
Temperature and relative humidity				
CAL.HYG.AR	CAL.HYG.ISO.AR	Ambient Room	Temp.: 0°C, 20°C, 40°C RH: 23%, 50%, 80% at 25°C	0.4°C, 4%
CAL.HYG.M	CAL.HYG.M.ISO	Ambient Room	Temp.: 25°C RH: 50% at 25°C	0.4°C, 4%
CAL.HYG.CR.M	CAL.HYG.CR.M.ISO	Ambient Room	Temp.: 25°C RH: 10%, 40%, 60%, 90% at 25°C	0.4°C, 4%
Others				
CAL.CO2.ST01	Not available yet	CO2	5% CO2, 37°C, at 90 %rh	0.5% CO2
CAL.PRE.ST01	CAL.PRE.ISO.ST01	Differential Pressure	0, 15, 25, 50 Pa	3.0 Pa



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OUR CUSTOMERS / HIGHLY REGULATED INDUSTRIES

Pharma & Healthcare



3PL/Logistics



Agribusiness



Biotech / Life sciences



High Tech /Semi-con

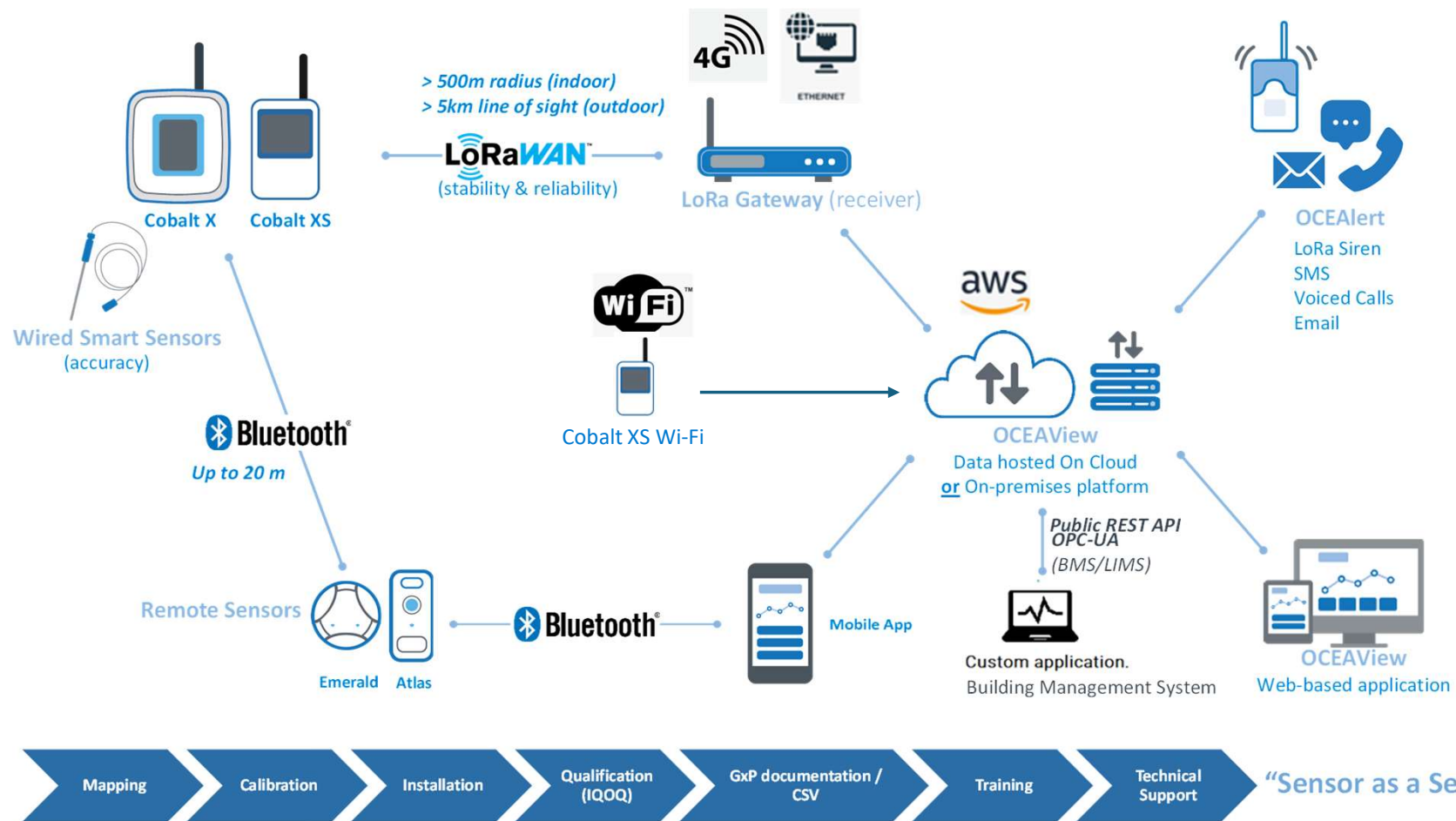


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OCEAVIEW® / OVERVIEW



OCEAVIEW® / ARCHITECTURE



OUR SOLUTION IS REGISTERED IN SOUTH KOREA!

6785-9D16-312F-A654

방송통신기자재등의 적합등록 필증 Registration of Broadcasting and Communication Equipments	
상호 또는 성명 Trade Name or Registrant	(주) 테솔
기자재명칭(제품명칭) Equipment Name	Cobalt X Data Logger
기기부호/추가 기기부호 Equipment code /Additional Equipment code	LARN8 / USN1
기본모델명 Basic Model	Cobalt X2
파생모델명 Series Model	Cobalt X1
등록번호 Registration No.	R-R-TES-CobaltX
제조사/제조국가 Manufacturer/Country of	DICKSON/프랑스
등록연월일 Date of Registration	2023-05-04
기타 Others	
위 기자재는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다. It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act. 2023년(Year) 05월(Month) 04일(Day) 국립전파연구원장 Director General of National Radio Research Agency ※ 적합등록 방송통신기자재는 반드시 "적합성평가표시" 를 부착하여 유통하여야 합니다. 위반시 과태료 처분 및 등록이 취소될 수 있습니다.	

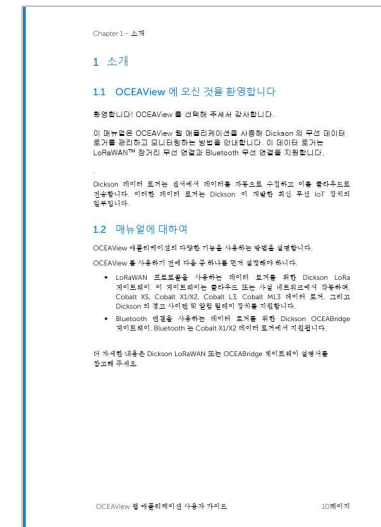
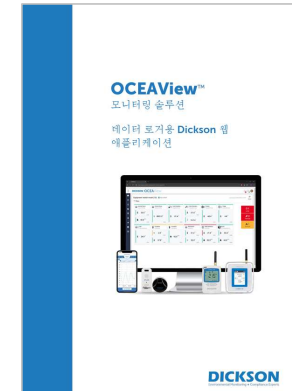
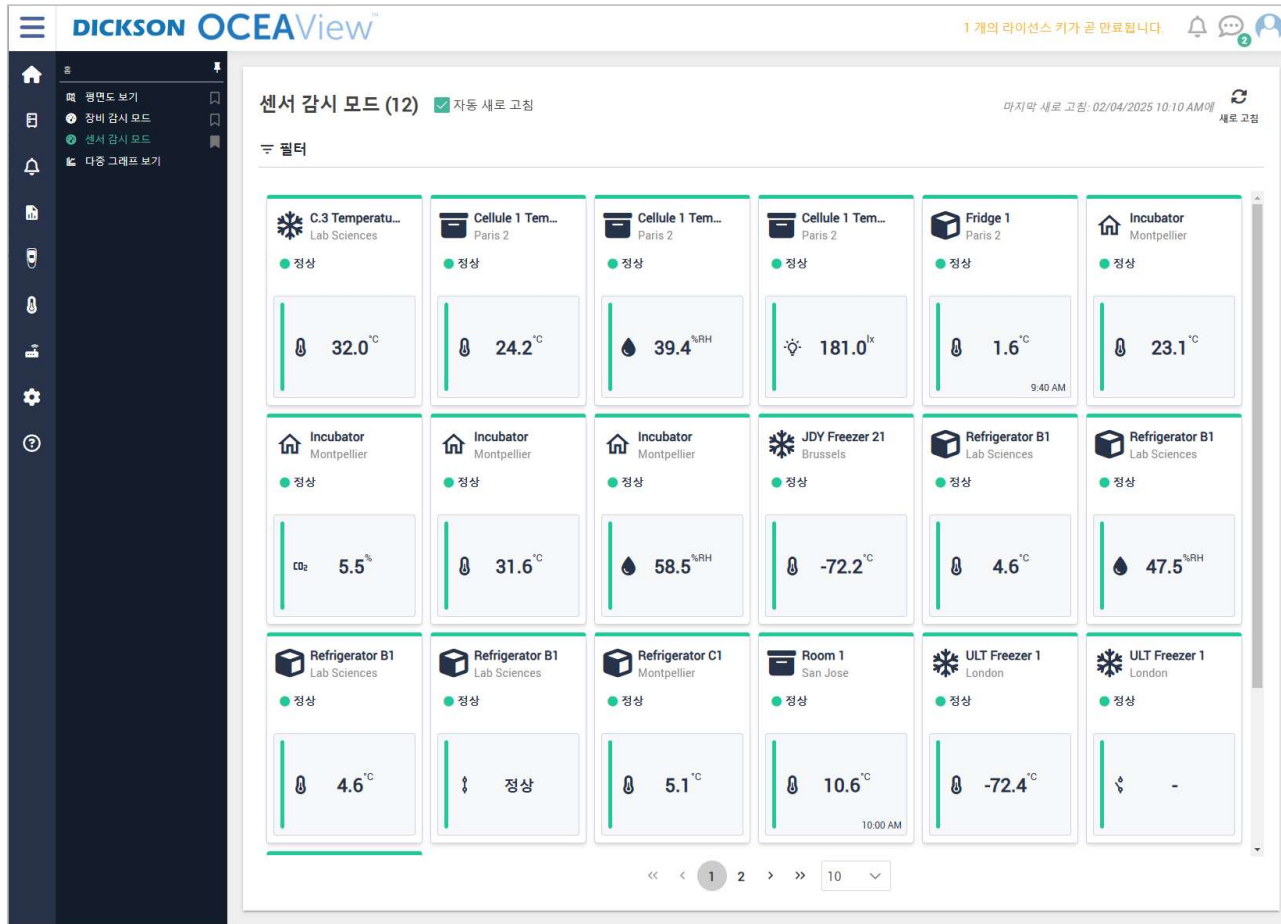
4ED3-AC74-7967-6C3C

방송통신기자재등의 적합등록 필증 Registration of Broadcasting and Communication Equipments	
상호 또는 성명 Trade Name or Registrant	(주) 테솔
기자재명칭(제품명칭) Equipment Name	Cobalt XS Data Logger
기기부호/추가 기기부호 Equipment code /Additional Equipment code	LARN8 / USN1
기본모델명 Basic Model Number	Cobalt XS
파생모델명 Series Model Number	
등록번호 Registration No.	R-R-TES-CobaltXS
제조사/제조국가 Manufacturer/Country of Origin	DICKSON/프랑스
등록연월일 Date of Registration	2024-04-04
기타 Others	
위 기자재는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다. It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act. 2024년(Year) 04월(Month) 04일(Day) 국립전파연구원장 Director General of National Radio Research Agency ※ 적합등록 방송통신기자재는 반드시 "적합성평가표시" 를 부착하여 유통하여야 합니다. 위반시 과태료 처분 및 등록이 취소될 수 있습니다.	

B6D4-D19A-3699-507A

방송통신기자재등의 적합등록 필증 Registration of Broadcasting and Communication Equipments	
상호 또는 성명 Trade Name or Registrant	MULTI-TECH SYSTEMS, INC.
기자재명칭(제품명칭) Equipment Name	로타게이트웨이
기기부호/추가 기기부호 Equipment code /Additional Equipment code	USN1 / LTE9,IMT
기본모델명 Basic Model Number	MTCDDT-L4G1-246A-915.R3.WW
파생모델명 Series Model Number	MTCDDT-246A-915.R3.WW
등록번호 Registration No.	R-R-MT1-MTCDDT-L4G1
제조사/제조국가 Manufacturer/Country of Origin	MULTI-TECH SYSTEMS, INC./미국
등록연월일 Date of Registration	2023-06-02
기타 Others	
위 기자재는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다. It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act. 2023년(Year) 06월(Month) 02일(Day) 국립전파연구원장 Director General of National Radio Research Agency ※ 적합등록 방송통신기자재는 반드시 "적합성평가표시" 를 부착하여 유통하여야 합니다. 위반시 과태료 처분 및 등록이 취소될 수 있습니다.	

OUR SOLUTION IS AVAILABLE IN KOREAN LANGUAGE!



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ASIA-PACIFIC

3. HIGHLIGHTS



#1- LORAWAN NETWORK PROTOCOL

Reliability

No pairing constraints, and no overlapping or interference issues

Long-range Connectivity

Free-field coverage from 6 km up to 15 km

Low Power Consumption

1 year guaranteed without changing the batteries

No Data Loss / no Connectivity Loss



+5dB (indoor)

+8dB (outdoor)



#2- UNIVERSAL DATA LOGGER OR ESSENTIAL



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GLIMPSE - INSTALLATIONS



Rack / Warehouse
(Cobalt XS / Smart Hygro Temperature and relative humidity Sensor)



Rack / Warehouse
(Emerald / Temperature Remote Sensor)



ULT Freezer
(Cobalt X / PT100 Sensor)



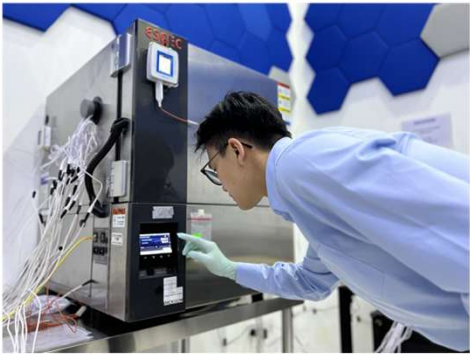
Clean room / Climatic Chambers
(Cobalt X / Differential Pressure Sensor)



IP67 protective case



Freezers Farm
(Cobalt X / PT 100 sensor)



Incubator
(Cobalt X / Temperature Sensor)



Nitrogen Tanks
(Cobalt X / PT100 Sensor)



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#3 - STATIC MEMORY

Memory capacity in the data loggers:
up to 16,000 readings for Cobalt X2
up to 8,000 readings for Cobalt XS and X1

Memory: “Fit in / First Out” (FIFO)

Data **INTEGRITY**
Data **ACCURACY**
Risk **MITIGATION**

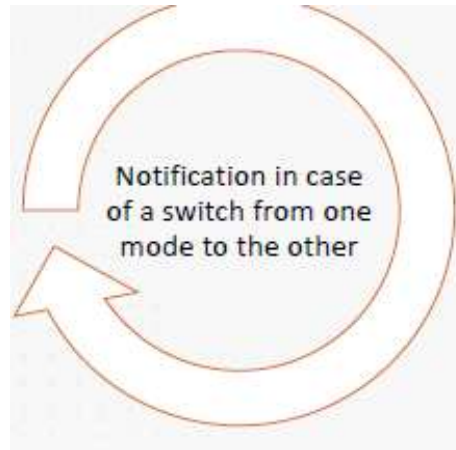
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#4 – DUAL POWER SUPPLY

On Battery

2 easily-replaceable lithium batteries
Autonomy > 1 year guaranteed



On Power Supply 5V Adaptor (USB)



Technical Alarm will be triggered if Low battery (< 10%)

#5 – SMART SENSORS CONCEPT

✕

Calibration parameters

✎ +

Sensor

Serial number

7A08114000001041

Unit

°C

Parameters (°C)

MTL-D1

-80 Freez

Coefficient A

0.9970

Coefficient B

0.427

Coefficient C

0.000000

MTL-D2

-80 Freez

Drift

0.00

Uncertainty

0.10

Certificate

MTL-C1

-80 Freez

Laboratory

Unknown

Identifier

19-0633-2

Date

10/10/2019

Reminder notification

MTL-B3

-80 Freez

Show calibration notification

11

months after certificate date.

✓ ✕

MTL-B5

-80 Freez



INTELLIGENT SENSOR

Embedded calibration data

Enhance onboard storage

Streamline calibration

Operational and cost efficiencies

Improves productivity

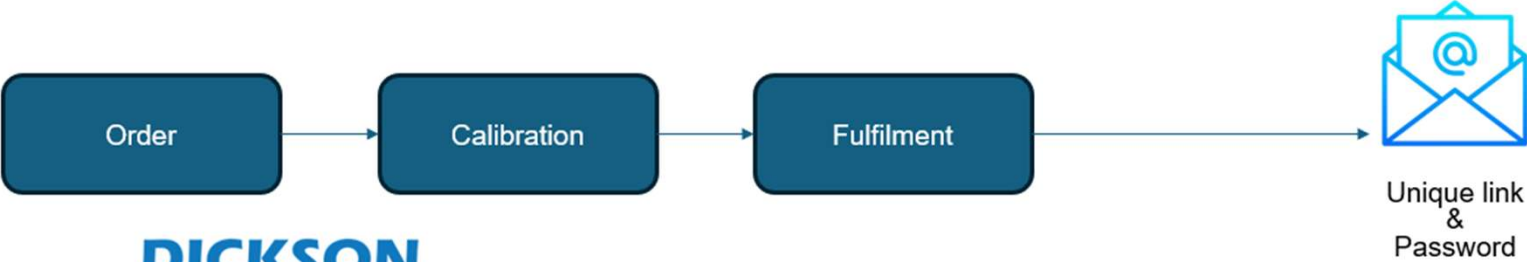
Quick sensor swaps and minimal downtime

Plug & Play

Minimize setup time

Prevents configuration errors

Digital calibration certificates Management



Dear Customers,

The certificates related to your order #SOMY2000706 can be found at the following url: <https://apac.dicksondata.com/ocv-certificate/?id=U2FsdGVkX184%2FX05K6keXoXJcHALNow6sGXsnN8yY80%3D>.

The password to access the certificates is 4srewRkCgU.

Please contact our team in case of any issues.

Best Regards,

Dickson APAC metrology Team

OCEAView Asia-Pacific Certificate

Please enter the password sent to you by email related to #SOMY2000706

Get Certificates

OCEAView Asia-Pacific Certificate

- List of certificates for SOMY2000706
- 25-000012-1_4D00000E232AC728.pdf
 - 25-000012-2_EA00000011A82B28.pdf
 - 25-000012-3_5C00000E486F9728.pdf
 - 25-000012-4_E600000E21F8A128.pdf
 - 25-000012-5_3100000E23EB4628.pdf
 - 25-000012-6_E200000E47C8DB28.pdf
 - 25-000012-7_DF00000DFFE3F428.pdf
 - 25-000012-8_7600000E4460ED28.pdf
 - 25-000012-9_A900000E23951728.pdf

#6 – ALARMS AND WARNING

Visible alarm

Alarms are easily noticeable by 4 LEDs amplified by a transparent reflector.

A buzzer functionality can be activated (90 dBa).

On-site acknowledgment

Alarms can be acknowledged directly from the data logger, using the operator's secure PIN code.

Alarm pause

Alarms can be paused for a limited amount of time (up to 72 hours) in the event of planned abnormal use (maintenance, relocation).

Warnings

Warns you before an Alarm is triggered, but doesn't require Acknowledgement (no CAPA).



#6 – ALARMS AND WARNING

Voiced Call, Email and SMS alerts 24/7

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[OCEAView](#)

Alarm detected

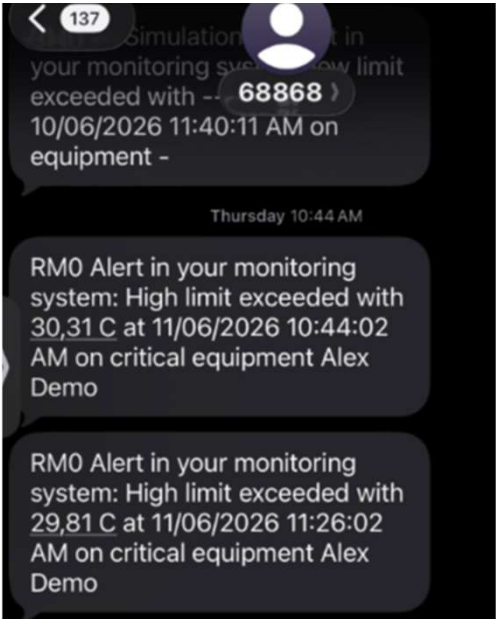
An alarm has been detected in your monitoring system:

Equipment	Alex Demo (Demo Kit - Alex)
Criticality	Critical
Data logger	Alex X2 (EB0C00001055)
Sensor	65000000C2764C3B
Alarm type	High Limit
Triggering value	32,31 °C
Alarm start	01/07/2026 03:30:31 PM

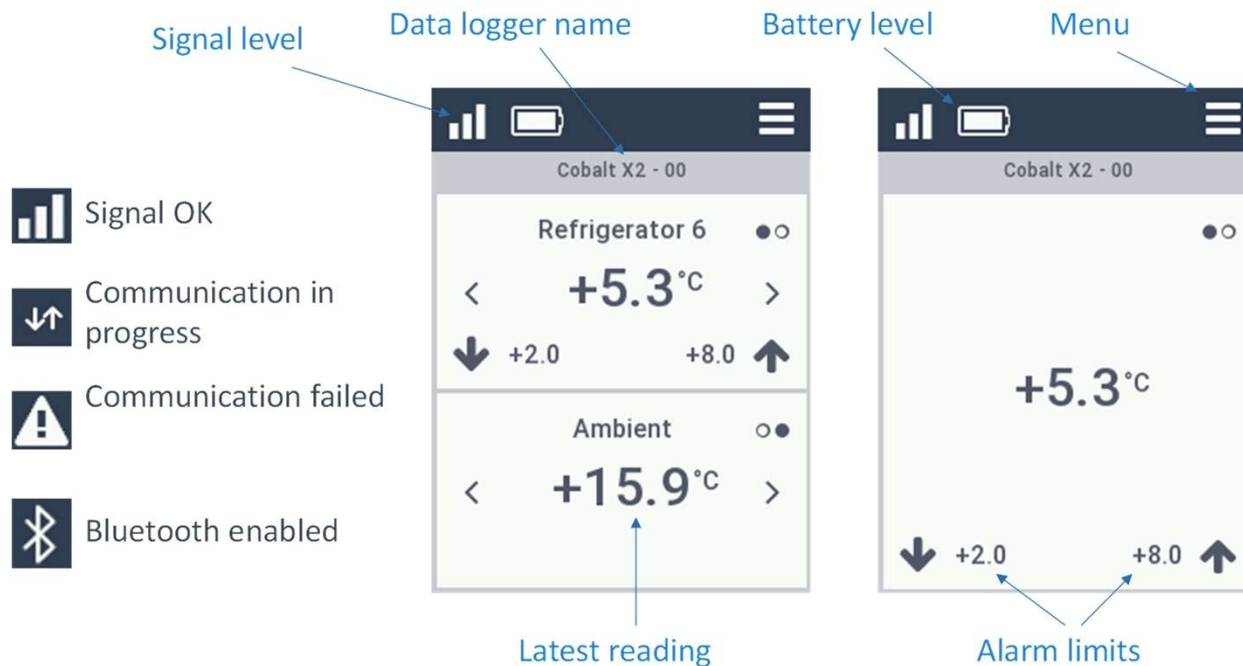
Please check your equipment.

Click here for [direct access to your data on OCEAView](#).

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#7 – TOUCH SCREEN

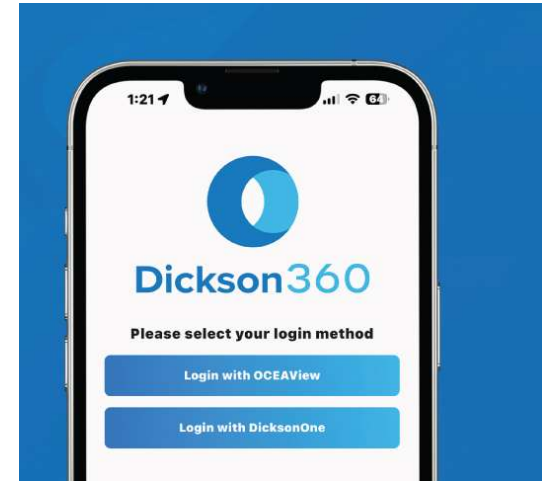
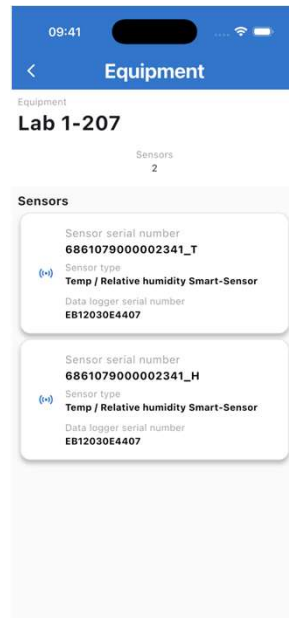
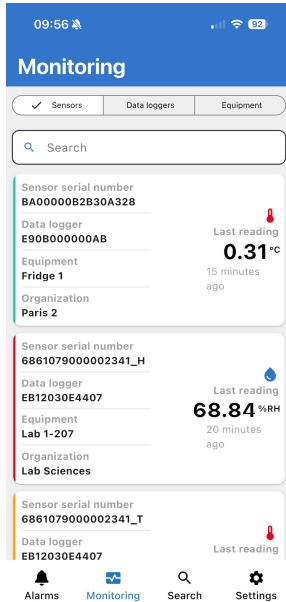
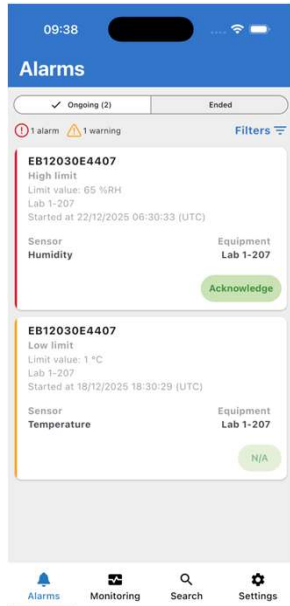


LIVE RANGE TESTS

To check on the connectivity



#8 –DICKSON360 MOBILE APP



YOU CAN NOW

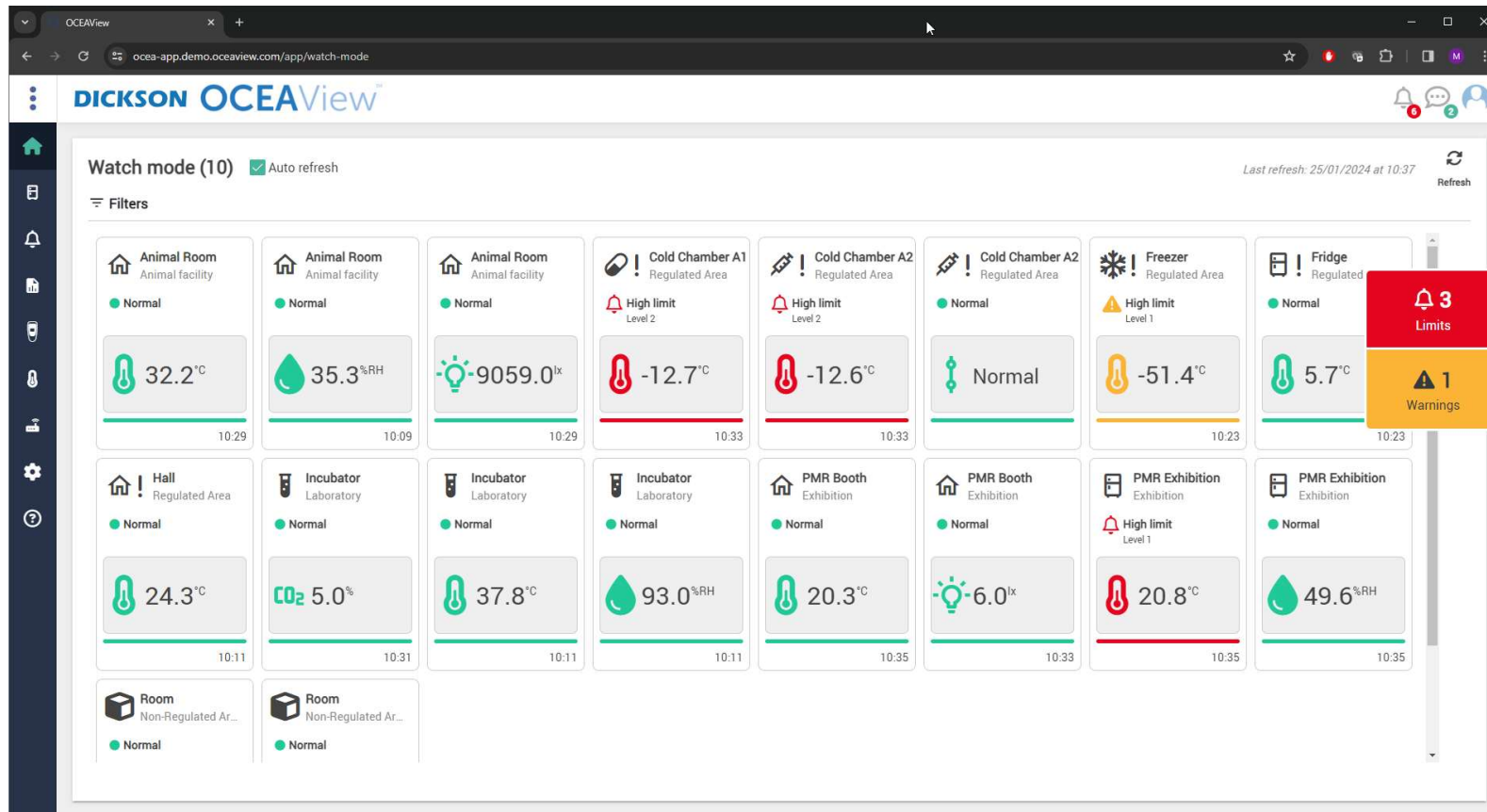
Acknowledge alarms directly from your phone
Capture corrective and preventive action (CAPA)
Add comments and context to alarms at the time of response

#9 – USER-FRIENDLY WEB-BASED PLATFORM



Web-based Platform.
Accessible anywhere,
anytime
(laptop, tablets, Mobile App)

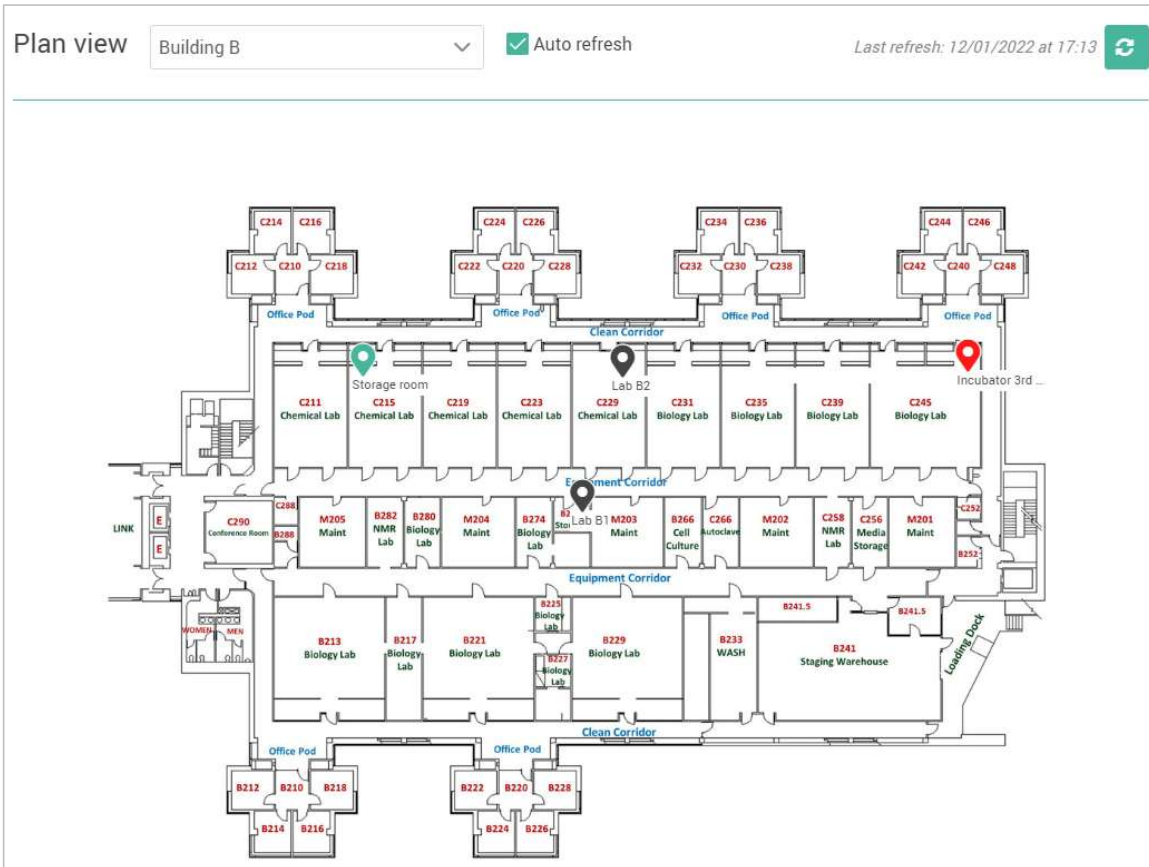
Unlimited number of users



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PLAN VIEW

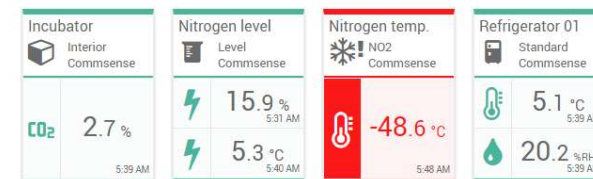


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Watch mode (4) ☒ Auto refresh

Last refresh: 01/24/2020 at 5:49 AM 

≡ Filters



EQUIPMENT
Limits
1
0
Technical



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USER PROFILE

My profile



Benjamin Cabot

Global Training Manager

Information

Role

Application Manager

Authentication mode

Internal

Username

cabot@oceasoft.com

E-mail

cabot@oceasoft.com

Expiration

-

Phone

bourgeois@oceasoft.com

PIN code

Show

Localization settings

Language

English

Time zone

(UTC+01:00/+02:00) Brussels, Copenhagen, Madrid, Paris

Date format

MM/dd/yyyy

Time format

24h

Unit

°C

Decimal separator

, (Comma)

Created on 05/03/2019 at 09:34

Last connection: 01/18/2021 at 09:39

Edit localization settings

Edit contact information

Edit photo

Change password

Turn on Out of Office

Disable

PIN code

This code is strictly personal: you may use it to access data logger settings, acknowledge alarms, take alerts into account, etc.

131304

DICKSON OCEAView

CONFIGURATION

Company

Users

Roles

Organizations

Time slots

Days off

Alerts

Plans

Authentication modes

Security

License keys

API

Roles (9)

Name

Acknowledger

Manager

View only

Data Logging Specialist

Logger

Metrologist

User A

Visitor

Warehouse Operator

Authorized to acknowledge alarms

Authorized to manage equipment and data

Authorized to view items without making changes

Edit role

Name

Data Logging Specialist

Description

Permissions

Manage organization / equipment

Start data logging

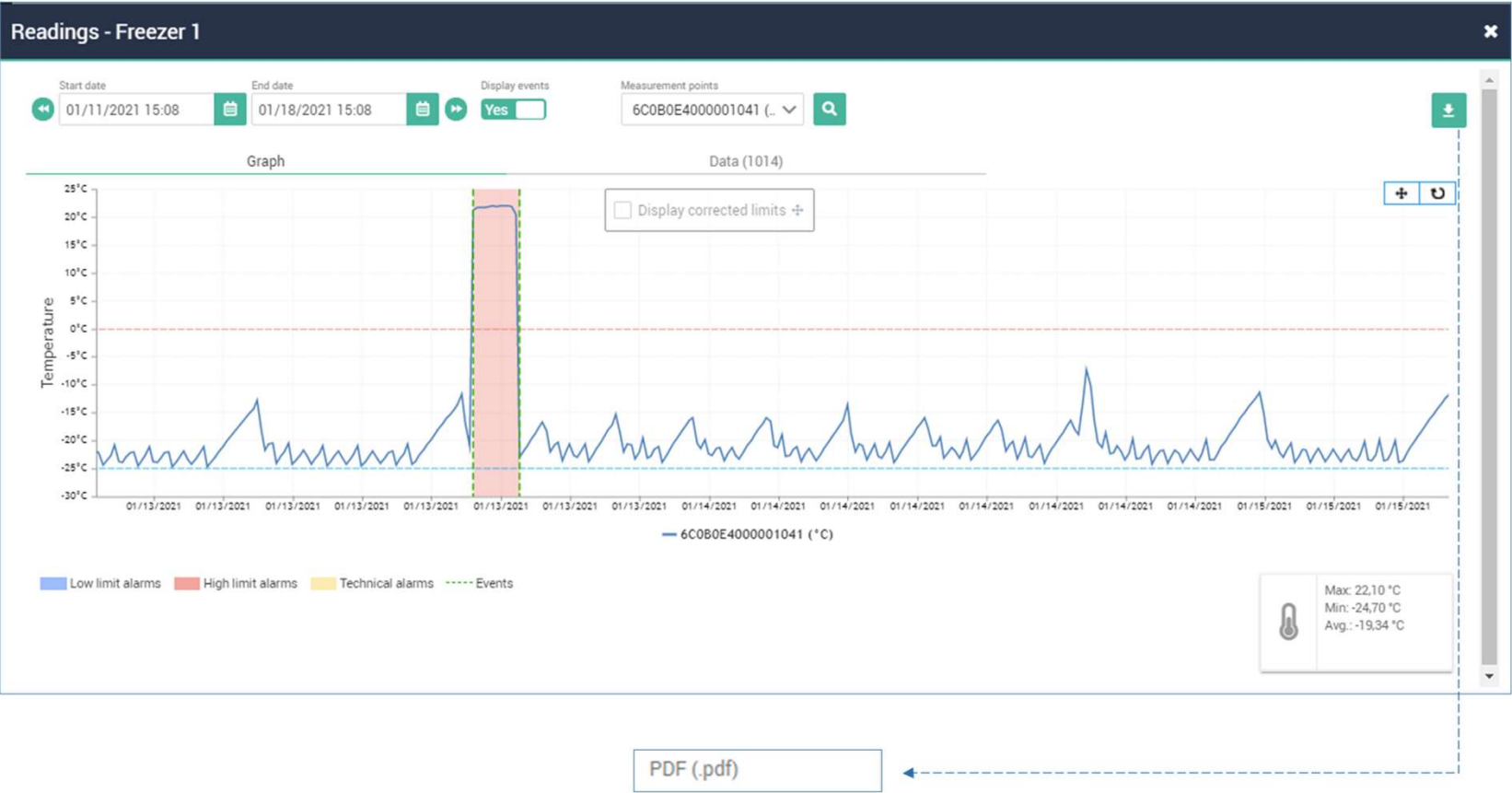
Stop data logging

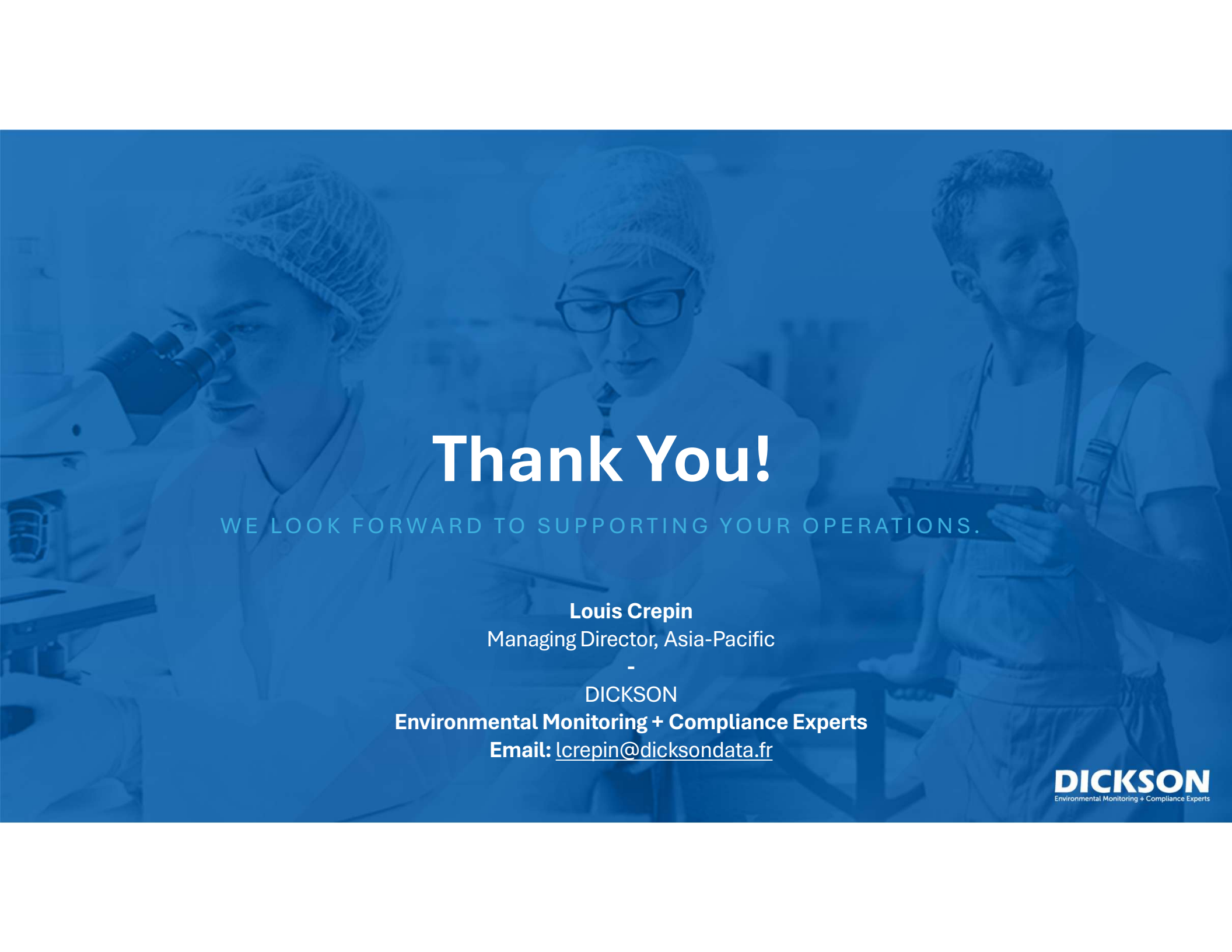
Acknowledge alarms

Manage metrology parameters

Manage alert rules

GRAPH AND READINGS





Thank You!

WE LOOK FORWARD TO SUPPORTING YOUR OPERATIONS.

Louis Crepin

Managing Director, Asia-Pacific

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Email: lcrepin@dicksondata.fr

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