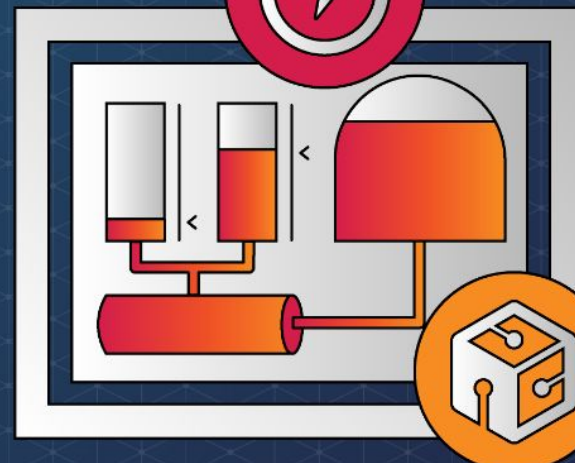
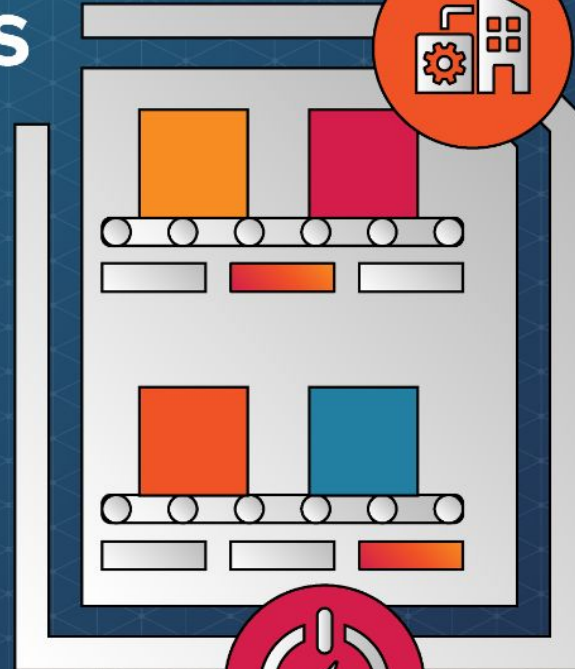
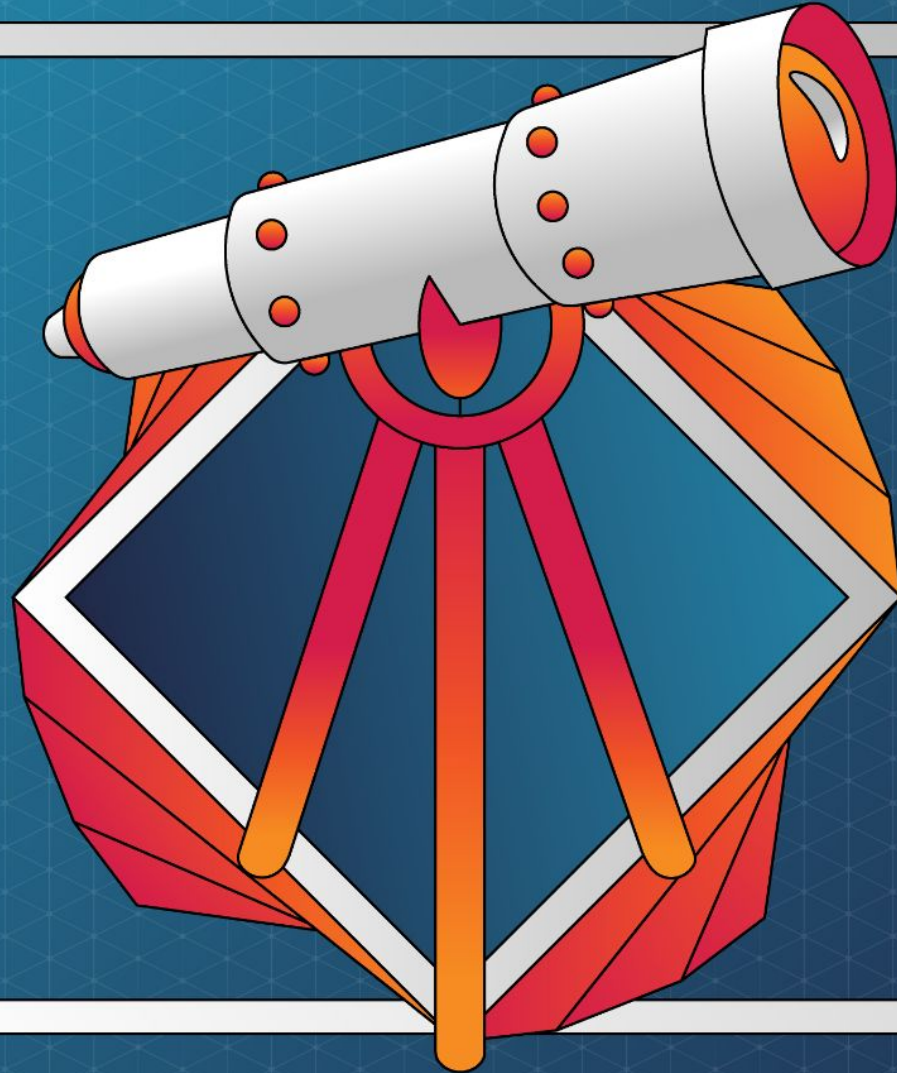
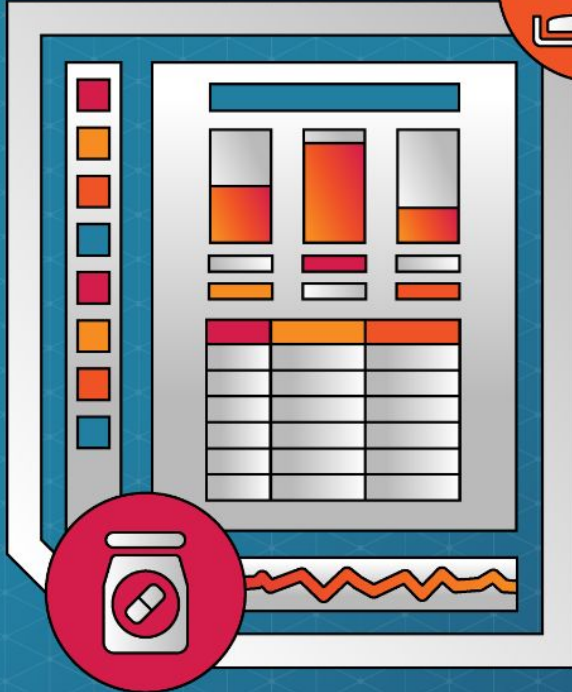
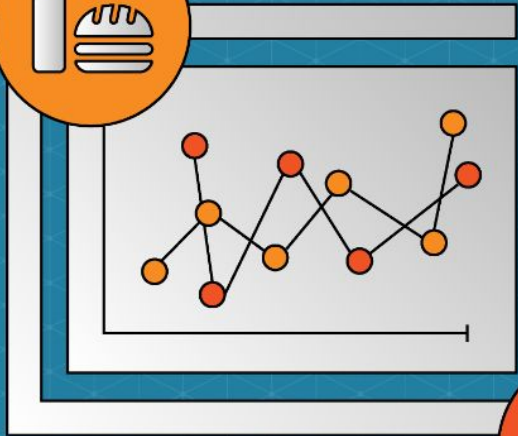


# Defying Ordinary: A Deep Dive Into Unique Automation Projects



# Moderator



**Brad Fischer**

Sales Engineer II

*Inductive Automation*

# Presenters



**Dylan Powers**

Systems Engineer  
*Grantek*



**Cédric Groc**

Director of Activities  
*2Gi Technologie*



**Olivier Marin**

Project Manager  
*2Gi Technologie*



**Eric Reisz**

Independent  
Automation  
Consultant



**Andre Zeibari**

Founder & Principal  
Executive Consultant  
*Zeibari & Co*



# Ignition!

by inductive automation

**The Unlimited Platform for  
SCADA and So Much More**

- **Connect, Design, Deploy Without Limits:**
  - One central hub for everything on the plant floor
  - Create any kind of industrial application
  - Web-deploy clients to desktops, industrial displays & mobile devices
- **Unlimited licensing**
- **Industrial-strength security and stability**
- **Trusted by thousands of companies worldwide**

# Agenda

- Defying Ordinary in Automation
- Grantek Project (for Merck & Co., Inc.)
- 2Gi Technologie Project (for Saint-Gobain PAM)
- Center for Breakthrough Medicines
- Audience Q&A

# Defying Ordinary

- Connectivity
- Configuration
- Versatility
- Scalability





# Grantek / Merck & Co., Inc.

## **Alarm Management System Makes Compliance Easier for Biopharmaceutical Company**

Project For: Merck & Co., Inc.

Project By: Grantek

Industry: Pharmaceutical



# Granttek / Merck & Co., Inc.

## Project Overview

- Alarm Management System for 11,000 alarms
- Used:
  - Ignition Perspective
- Architecture:
  - Redundant gateways
  - Secondary Ignition gateway for reporting from web clients
  - Development/engineering Workstation gateway
- Databases:
  - Redundant Postgres DBs using Pgpool



# Grantek / Merck & Co., Inc.

## Features

- Alarm monitoring & historization
- Management interface
- Ad hoc & scheduled reporting tools
- Point change management & tracking tools

# Granttek / Merck & Co., Inc.

## Features

- Real-time alarm management workflow
- Custom data archiving
- Report schedule builder

# Granttek / Merck & Co., Inc.

GRANTEK

Central Alarm Management

AI

Istrator Admin  
Sign out

12-Apr-2023 14:27:48

All Databases Connected

OPC Data Aggregator Connected

All PLCs Connected

B01

Alarms: 1  
Critical: 1

B01C

Alarms: 0  
Critical: 0

B02

Alarms: 1  
Critical: 0

B02J

Alarms: 0  
Critical: 0

B02K

Alarms: 0  
Critical: 0

B03

Alarms: 1  
Critical: 0

B04

Alarms: 1  
Critical: 0

B05

Alarms: 1  
Critical: 1

B06

Alarms: 1  
Critical: 0

B07

Alarms: 0  
Critical: 0

B08

Alarms: 0  
Critical: 0

B09

Alarms: 0  
Critical: 0

B10

Alarms: 0  
Critical: 0

B10A

Alarms: 0  
Critical: 0

B11

Alarms: 0  
Critical: 0

B12

Alarms: 0  
Critical: 0

B12A

Alarms: 0  
Critical: 0

B13

Alarms: 0  
Critical: 0

B13A

Alarms: 0  
Critical: 0

B13B

Alarms: 0  
Critical: 0

B13D

B14

B16

B16A

B16B

B16C

B17

B17L

B20

B21

Reports

Filter table...

Report Name	Report Id
Audit Trail Report	1
Alarm History Report	2
Top Frequency Alarms Report	3
Disregard List Report	4
Request Summary Report	5
Contact Management Report	6
Alarm Owners Report	7
Alarm Configuration Report	8
Operations Summary Report	9
Point Configuration Summary Report	10

REPORT SCHEDULE BUILDER

Report Filters

PARAMETER NAME

PARAMETER VALUE

BUILDING

B01

AREA COORDINATOR

Eer, Engin

Recipient

Username	Name	Email
DevEngineer	Engin, Eer	engin.eer@demoproject.co

Select Person

Report Timeframe

TIMEFRAME

WEEKLY

Report Type

FORMAT

PDF

Cancel

Save

Report Type

Report Time Frame

Report Parameters

WEEKLY

BUILDING: B01, AREA COORDINATOR: Eer, Engin

25 rows



# Grantek / Merck & Co., Inc.

GRANTEK

Central Alarm Management

AI

Istrator Admin  
Sign out

12-Apr-2023 13:51:46

All Databases Connected

OPC Data Aggregator Connected

All PLCs Connected

B01

Alarms: 1  
Critical: 1

B01C

Alarms: 0  
Critical: 0

B02

Alarms: 1  
Critical: 0

B02J

Alarms: 0  
Critical: 0

B02K

Alarms: 0  
Critical: 0

B03

Alarms: 1  
Critical: 0

B04

Alarms: 1  
Critical: 0

B05

Alarms: 1  
Critical: 1

B06

Alarms: 1  
Critical: 0

B07

Alarms: 0  
Critical: 0

B08

Alarms: 0  
Critical: 0

B09

Alarms: 0  
Critical: 0

B10

Alarms: 0  
Critical: 0

B10A

Alarms: 0  
Critical: 0

B11

Alarms: 0  
Critical: 0

B12

Alarms: 0  
Critical: 0

B12A

Alarms: 0  
Critical: 0

B13

Alarms: 0  
Critical: 0

B13A

Alarms: 0  
Critical: 0

B13B

Alarms: 0  
Critical: 0

B13D

B14

B16

B16A

B16B

B16C

B17

B17L

B20

B21

Alarm Info

POINT ID

Point008

POINT ALIAS

Point\_008

TAG PATH

GrantekAlarms/Point008

POINT DESCRIPTION

Building 08 High Humidity

SETPOINTS

1 = Alarm

DEPT

HVAC

MECH

HVAC MECH

SENSOR

Vaisala

CONTACT MINUTES

2

DISPATCH MINUTES

20

Comments/Instructions

SENSOR LOCATION

Return Air duct in AHU 12

COMMENTS

Spare sensor is located in parts room location 08/14/23

Owners

Name, User

Ext:555-345-6789

Home:(555) 345-6789

Shift:3

Mobile:(555) 456-7894

Email:user.name@demoproject.com

Istrator, Admin

Ext:555-234-5678

Home:(555) 234-5678

Shift:2

Mobile:(555) 123-4567

Email:admin.istrator@demoproject.com

Eer, Engin

Ext:555-456-7890

Home:(555) 456-7890

Points

Advanced Filtering

Filter table...

POINT ID	POINT ALIAS	TAG PATH	DESCRIPTION	BUILDING	CABINET	TYPE	AREA COORD	IN DISREGARD	TIME DELAY (mS)	MECH
Point008	Point_008	GrantekAlarms/Point008	Building 08 High Humidity	B08	NE15	opcDigitalPoint	Istrator, Admin	Clear	0	REFRIGERATION
Point009	Point_009	GrantekAlarms/Point009	Building 09 Low Temperature	B09	NE37	opcDigitalPoint	Name, User	Clear	0	REFRIGERATION
Point002	Point_002	GrantekAlarms/Point002	Building 02 High Pressure	B02	NE12	opcDigitalPoint	Name, User	Clear	1	REFRIGERATION
Point003	Point_003	GrantekAlarms/Point003	Building 03 High Humidity	B03	NE15	opcDigitalPoint	Eer, Engin	Clear	0	REFRIGERATION
Point010	Point_010	GrantekAlarms/Point010	Building 10 Low Temperature	B10	NE34	opcDigitalPoint	Eer, Engin	Clear	0	REFRIGERATION
Point001	Point_001	GrantekAlarms/Point001	Building 01 High Pressure	B01	NE11	opcDigitalPoint	Name, User	Clear	0	REFRIGERATION
Point005	Point_005	GrantekAlarms/Point005	Building 05 Low Temperature	B05	NE34	opcDigitalPoint	Istrator, Admin	Clear	0	REFRIGERATION
Point004	Point_004	GrantekAlarms/Point004	Building 04 Low Temperature	B04	NE21	opcDigitalPoint	Ator, Oper	Clear	0	REFRIGERATION
Point006	Point_006	GrantekAlarms/Point006	Building 06 High Pressure	B06	NE12	opcDigitalPoint	Name, User	Clear	0	REFRIGERATION
Point007	Point_007	GrantekAlarms/Point007	Building 07 High Pressure	B07	NE13	opcDigitalPoint	Eer, Engin	Clear	0	REFRIGERATION

25 rows

1

# Grantek / Merck & Co., Inc.

GRANTEK

Central Alarm Management

AI

Istrator Admin

Sign out

17-Oct-2023 08:12:41

All Databases Connected

OPC Data Aggregator Connected

All PLCs Connected

B01

Alarms: 1

Critical: 1

B01C

Alarms: 0

Critical: 0

B02

Alarms: 1

Critical: 0

B02J

Alarms: 0

Critical: 0

B02K

Alarms: 0

Critical: 0

B03

Alarms: 1

Critical: 0

B04

Alarms: 1

Critical: 0

B05

Alarms: 1

Critical: 1

B06

Alarms: 1

Critical: 0

B07

Alarms: 0

Critical: 0

B08

Alarms: 0

Critical: 0

B09

Alarms: 0

Critical: 0

B10

Alarms: 0

Critical: 0

B10A

Alarms: 0

Critical: 0

B11

Alarms: 0

Critical: 0

B12

Alarms: 0

Critical: 0

B12A

Alarms: 0

Critical: 0

B13

Alarms: 0

Critical: 0

B13A

Alarms: 0

Critical: 0

B13B

Alarms: 0

Critical: 0

B13D

B14

B16

B16A

B16B

B16C

B17

B17L

B20

B21

Alarm Info

POINT ID

POINT ALIAS

Point002

Point\_002

TAG PATH

GrantekAlarms/Point002

POINT DESCRIPTION

Building 02 High Pressure

SETPOINTS

1 = Alarm

SENSOR

Vaisala

DEPT

HVAC

CONTACT MINUTES

20

MECH

HVAC MECH

DISPATCH MINUTES

20

Comments/Instructions

SENSOR LOCATION

Left of the elevator on floor 2

COMMENTS

Spare sensor is located in parts room location 04/12/23

Owners

Eer, Engin

Ext:5551234567

Home:(555) 456-7890

Shift:2

Mobile:(555) 901-2345

Email:engin.eer@demoproject.com

Name, User

Ext:5556549587

Home:(555) 345-6789

Shift:4

Mobile:(555) 456-7894

Email:user.name@demoproject.com

Ator, Oper

Active Alarms

Shelve All

Advanced Filtering

Force Re-Evaluation

Filter table...

		BUILDING	POINT ID	DESCRIPTION	ASSIGN	ANSWER	MECH	ALARM CONDITION	PRIORITY	TIME ACTIVE	S
▲	🔔	B02	Point002	Building 02 High Pressure				High Pressure	Low	04-Oct-2023 11:52	A
▲	🔔	B01	Point001	Building 01 High Pressure				High Pressure	Critical	04-Oct-2023 11:52	A
		B03	Point003	Building 03 High Humidity				High Humidity	Medium	12-Sep-2023 15:37	A
		B04	Point004	Building 04 Low Temperature				Low Temperature	High	12-Sep-2023 15:37	A
		B05	Point005	Building 05 Low Temperature				Low Low Temperature	Critical	12-Sep-2023 15:37	A
		B06	Point006	Building 06 High Pressure				High Pressure	Diagnostic	12-Sep-2023 15:37	A

ASSIGN ALARM (alt-a)

ANSWER ALARM (alt-n)

ADD RESPONSE ANNOTATION (alt-r)

ACCEPT ANNOTATION (alt-c)

SHELVE ALARM (alt-s)

ALARM HISTORY (alt-h)

ALARM TREND (alt-t)

# Granttek / Merck & Co., Inc.

## Results

- Dependable insights for management
- Easier regulatory compliance
- User-friendly experience
- Convenient access to data



# 2Gi Technologie / Saint-Gobain PAM

## Ignition Empowers Business Evolution for Leader in Water Supply Pipelines

Project For: Saint-Gobain PAM

Project By: 2Gi Technologie

Industry: Manufacturing



# 2Gi Technologie / Saint-Gobain PAM

## Project Overview

- Enterprise solution
- Used:
  - Vision Module for lines
  - Perspective Module for offices and mobility
  - Web Dev Module to connect to external sources
  - Reporting Module to report all merged data
  - Historian

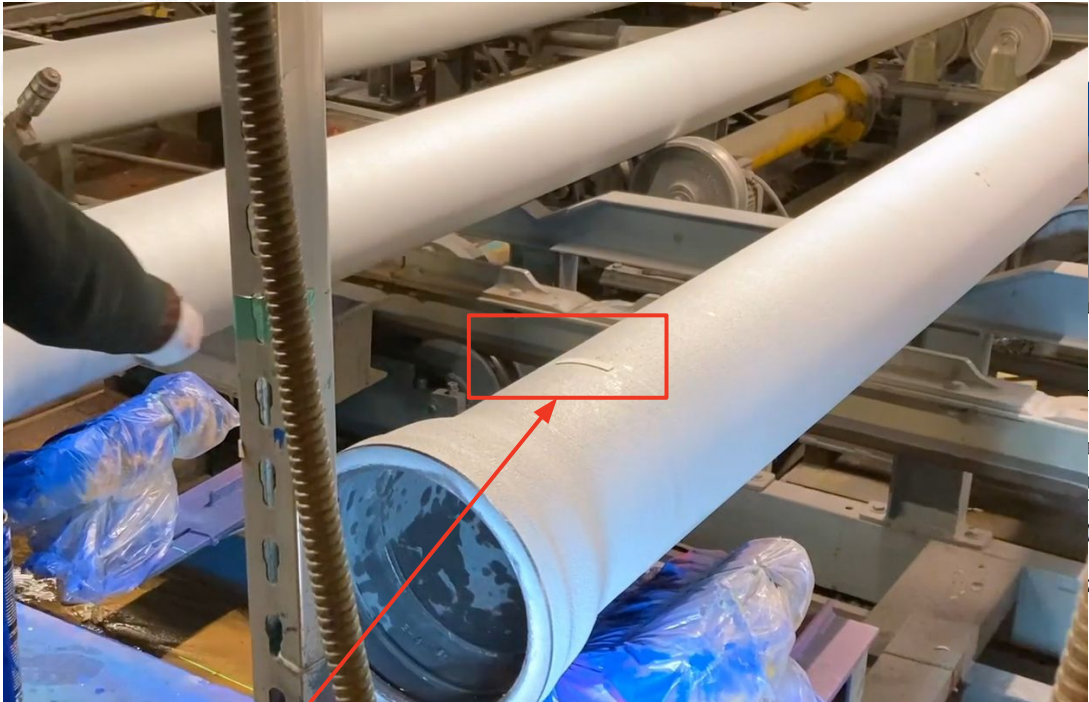
# 2Gi Technologie / Saint-Gobain PAM

## Features

- Pipe tracking
- Improved quality control
- Interfacing capabilities and shared data
- Geolocalization



# 2Gi Technologie / Saint-Gobain PAM [Pipe Tracking]



RFID tag added  
by an operator

FICHE ID TUYAU

credential05-07-202108:58:292GL

DATE DE DEBUT05/07/2021 00:00:00

DATE DE FIN05/07/2021 23:59:59

NIVEAUCIMENTATION

PAS

REFERENCE SAP

CAPTURE

N° tuyau12211860071

CHAÎNE CENTRALE  
MACHINE 4

N° poche : 19  
Date coulée : 05/07/2021

XP0206SCX

200 STD C40 RIN=CIM1, REX=ZNAC

6000 mm

200

Type de Zinc (REX1):

ZINC ALUMINIUM CUIVRE

Cordon :

NON

C40

Type de Ciment (RIN1):

CIMENT HF 1

Coupe 50cm :

NON

Emboîtement :

STANDARD B

Type de Vernis (REX2):

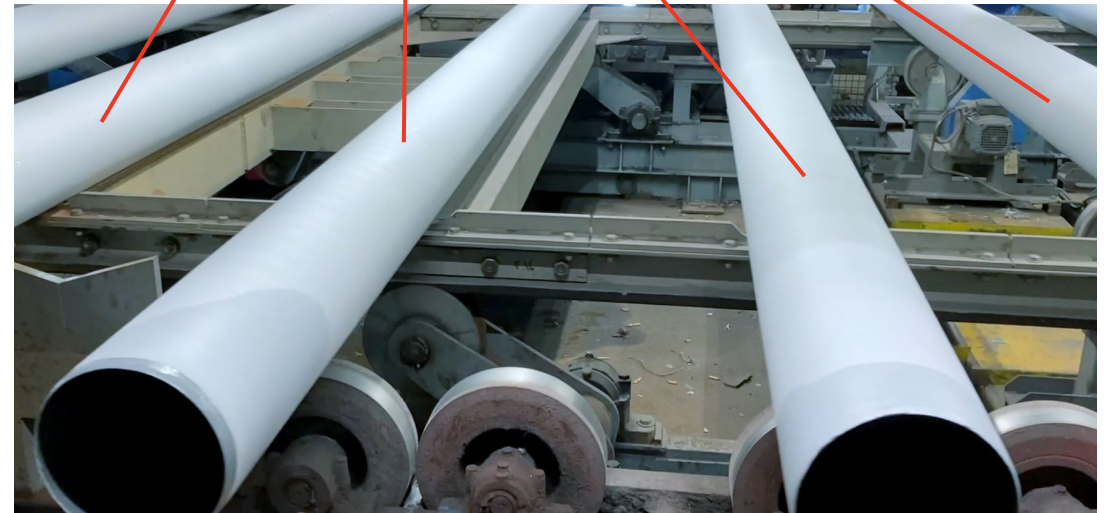
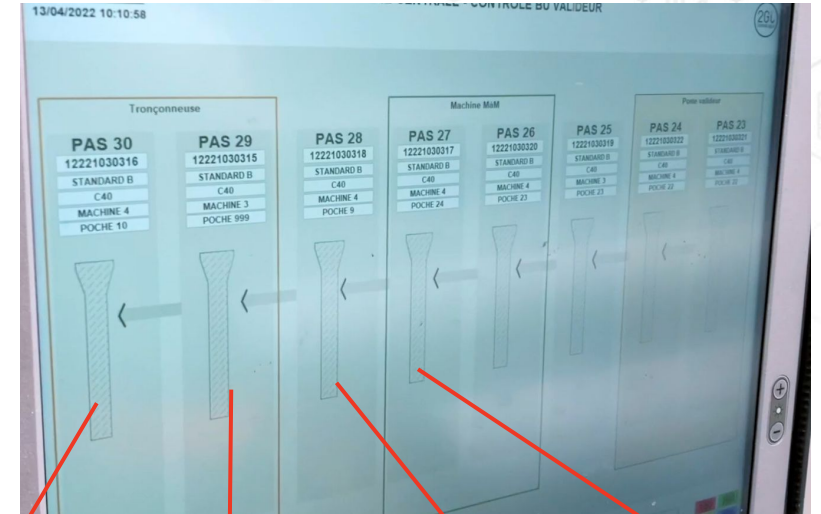
NUE

N° fiche marquage :

DATETIME	EQUIPEMENT	PAS	NIVEAU	REFERENCE SAP	CLASSE	REX 1	RIN 1	REX 2	LONGUEUR	VERROUILLE	COUPE	FICHE MARQ...
05/07/2021 08:37:00	CIMENTATION	PAS 28	CIMENTE 6M	XP0206SCX	C40	ZINC ALUMINIU...	CIMENT HF 1	NUE	6000	NON	NON	
05/07/2021 07:46:08	CHAÎNE CENTRALE	PAS 21	EBARBE 6M	XUB206ASTBN0...	C40	ZINC ALUMINIU...	NUE	NUE	6000	NON	NON	

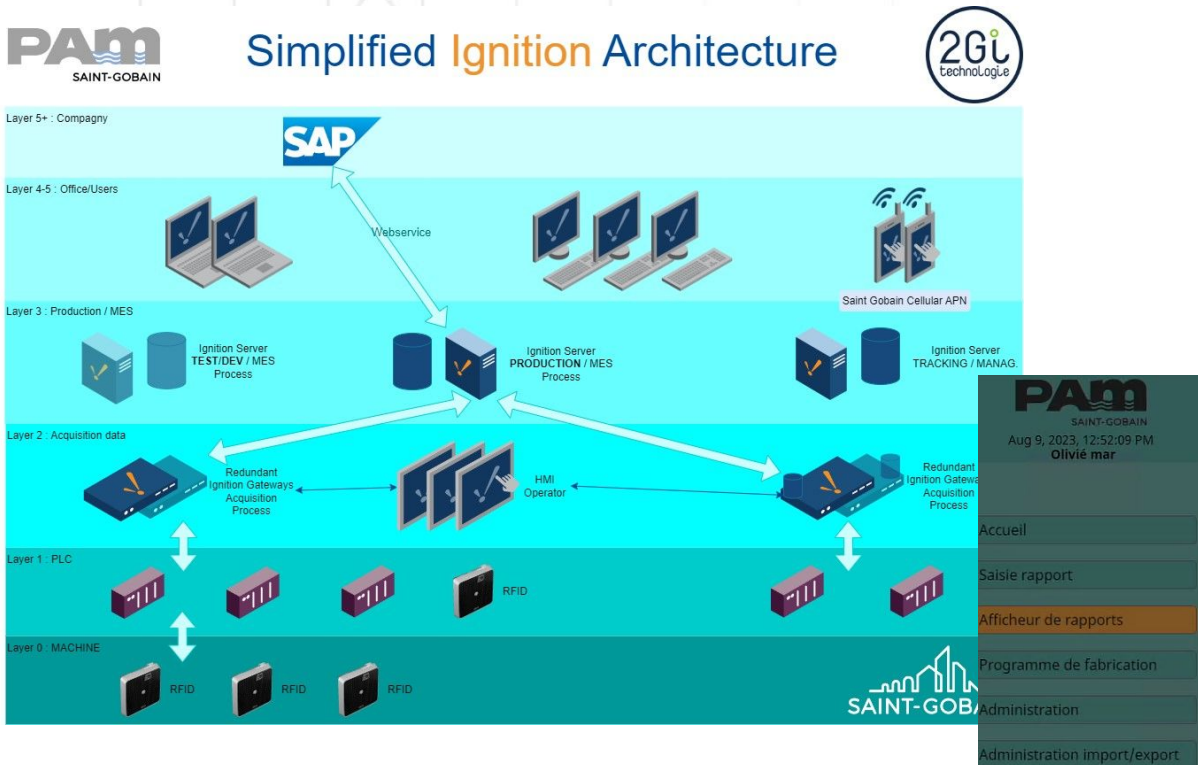
Activer Windows  
Accédez aux paramètres pour activer Windows.

# 2Gi Technologie / Saint-Gobain PAM [Quality Control]





# 2Gi Technologie / Saint-Gobain PAM [Interfacing + Shared Data]



**PAM**  
SAINT-LOUIS

Nov 7, 2022, 5:05:21 PM

## Afficheur de rapports

Accueil

Saisie rapport

Afficheur de rapports

Programme de production

Administration

Administration import/export

Afficheur de rapports

Page 1/1

Type poste : Tous les postes

☐ Ligne Select...

☐ Chantier Select...

Début poste : 4/11/2022

Fin poste : 4/11/2022

Rechercher

↺

Ligne	Chantier	Date	Heure	Opérateur	
6M	Chantier ébarbage chaîne moyen ligne 6M	Après-midi	4 nov. 2022 12:30	Pica, Anthony	<a href="#" style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">Voir rapport</a> <a href="#" style="background-color: #ffcc00; color: white; padding: 2px 5px; border-radius: 3px;">→ Modifier</a>
6M	Chantier coulée ligne 6M	Après-midi	4 nov. 2022 12:00	Fisselbrand, Alexandre	<a href="#" style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">Voir rapport</a> <a href="#" style="background-color: #ffcc00; color: white; padding: 2px 5px; border-radius: 3px;">→ Modifier</a>
6M	Chantier ébarbage chaîne moyen ligne 6M	Matin	4 nov. 2022 04:30	Gzesiak, Alexis	<a href="#" style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">Voir rapport</a> <a href="#" style="background-color: #ffcc00; color: white; padding: 2px 5px; border-radius: 3px;">→ Modifier</a>
6M	Chantier ébarbage chaîne gaz ligne 6M	Matin	4 nov. 2022 04:30	Gzesiak, Alexis	<a href="#" style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">Voir rapport</a> <a href="#" style="background-color: #ffcc00; color: white; padding: 2px 5px; border-radius: 3px;">→ Modifier</a>
6M	Chantier coulée ligne 6M	Matin	4 nov. 2022 04:00	Schumacher, Sylvain	<a href="#" style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">Voir rapport</a> <a href="#" style="background-color: #ffcc00; color: white; padding: 2px 5px; border-radius: 3px;">→ Modifier</a>

Pam  
SAINT-GOBAIN

Aug 9, 2023, 12:52:09 PM  
Olivie mar

Accueil

Saisie rapport

Afficheur de rapports

Programme de fabrication

Administration

Administration import/export

Afficheur de rapports

Ligne 6M  
Chantier coulée ligne 6M

Date : 17/07/2023 Ligne : 6M Approuvateur : Pederiva, Yannick  
Poste : Nuit Chantier : Coulée Version : 1 Validé : OUI

BILAN GENERAL

Temps ouverture déclaré :  

480 min

Total produit : 616  
Total bons : 597 96.92%  
Total rebuts : 19 3.08 %  
Total à retoucher : 0 0 %  
Total à recycler : 0 0 %  
  
Ratio PDN : 1.44  
Ratio MDN : 0.94

COMMENTAIRES

EHS (Environnement Hygiène et Sécurité) :  
CHANGER COQUILLE M2/5/6 MERCI

RH (Ressources Humaines) :  
LOUIS (cp) SABRI(cp) ROHRBACHER (maladie) EL BOUROUMI K (cp)

Production (Observations - Généralités) :  
démarrage M2/4/5 arrêt 20h40 (réglage pipe extracteur coté canal M4 + recentré basket M5. renvoi poche n°4 plus vidange basket (fonte froide)) //M2 réglage remoulage 22h10 (soleil) // arrêt M2 22h25 (soleil, changement de coquille, crique douceine ) démarrage M6 //arrêt M6 0h05 (42 tuyaux coulée K9) redémarrage M2// M5 changement de coquille 0h10 (crique douceine)//M4 changement de coquille 1h15 // arrêt pdn à 2h demande ébarbage (TEP(soudée en panne + en cours suture))

RFid :  
démarrage M6 à 2h pour coulée les 19 noyaux restant // arrêt coulée 2h50.

BILAN PAR MACHINE

Machine	Total prod.	A retoucher	A recycler	A rebuter	Tps ouvert.	Arrêts chantier	Arrêts machine	TRS	Cadence budget
Machine 2	161	0	0	11	303 min	20 min	50 min	33.56%	74.56%
Machine 3	0	0	0	0	0 min	0 min	0 min	-∞%	-∞%
Machine 4	201	0	0	2	331 min	20 min	0 min	44.44%	98.72%
Machine 5	193	0	0	4	360 min	20 min	12 min	37.69%	99.24%
Machine 6	61	0	0	2	150 min	0 min	0 min	38.64%	85.88%

Page 1 / 1

# 2Gi Technologie / Saint-Gobain PAM [Geolocalization]

17:43 70%

Mise à jour de la localisation de la pièce : NVBE-MA-11.

Statut : **CONTROLE PRESSE** ▼

Zone : **Finissages GP** ▼

Rebut : **NON** ▼ Soldé : **NON** ▼

**PRECISION : 2.5 m**

New

**VALIDER LA MÀJ**



→ DÉTAILS DES PIÈCES

→ ÉTIQUETTES

→ GESTION DES ZONES

→ RAPPORT

## DÉTAILS D'UNE PIÈCE

29018705

numéro : 305J51

Désignation : TE TNG 3BF 400X150 PN16 PB F

Coulée : 305M

Date de c :

Rebut : OUI

Soldé : NON

Zone : Fin

Libellé zone : **Finissages GP**

Date position : Mar 30, 2023, 4:54:59 PM

Statut : **USINAGE**

Afficher la zone : ☐

Afficher les traces : ☐

**ÉDITION**

**SUPPRIMER**

**29018705**

Référence : 29018705

Numéro : 305J51

Désignation : TE TNG 3BF 400X150 PN16

Commentaire :

Soldé : NON ▼

Rebut : OUI ▼

Coulée : 305M ▼

Zone : Finissages GP ▼

Statut : USINAGE ▼

Commentaire sur la position de la pièce

**VALIDER**

Aux Ensanges

Ligne de Paris à Saint-Gobain

Les Fonderies

Saint-Gobain PAM Usine de Foug

Près du Neuf Moulin

Canal de la Marne au Rhin Ouest

Enregistrement(s) zones

Date	Zone
2023/03/30-16:54	Finissages GP
2023/03/30-16:52	Ebarbage GP HA

Enregistrement(s) status

Date	Statut
2023/02/10-08:46	USINAGE
2023/02/09-10:21	USINAGE



# 2Gi Technologie / Saint-Gobain PAM

## Results

- Enterprise solution accomplished in just a few months
- Put an end to paper-based information collection processes
- Optimized cost
- Standard platform for all industrial applications, ready to be deployed in all factories

## **All of this was accomplished with a small but powerful team!**

- 6-person team: Client (3p), 2Gi (3p) with high expertise and certifications
- Strong change management
- Key learnings: leverage Ignition + modules, simplify to fit to the product

# Center for Breakthrough Medicines / Skellig Automation

## **Cutting-Edge DMS Emphasizes Data Contextualization for Biotech**

- Project For: Center for Breakthrough Medicines
- Project By: Skellig Automation
- Industry: Biotech/Pharma, Cell & Gene Therapy

# Center for Breakthrough Medicines / Skellig Automation

## Center for Breakthrough Medicines - Project Overview

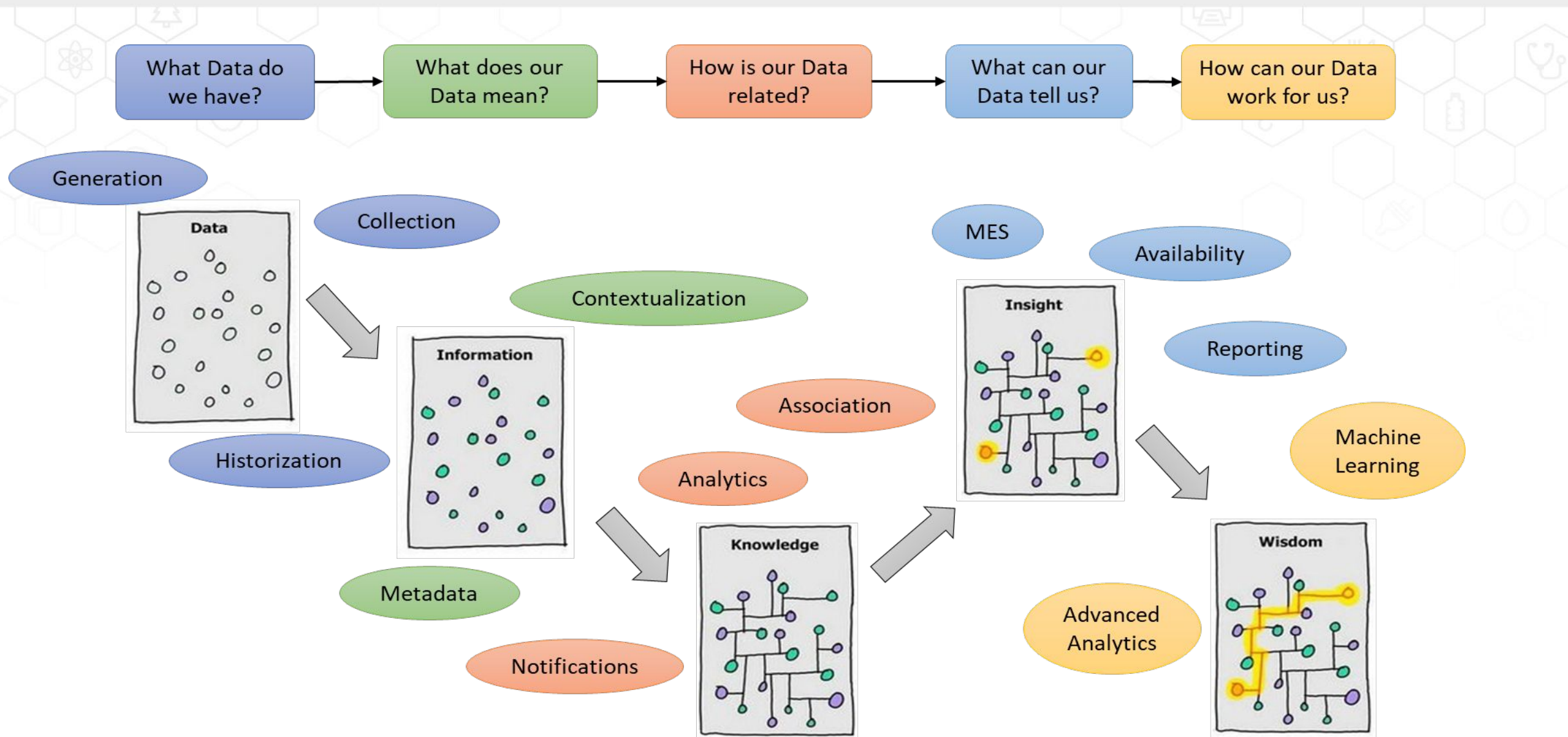
CBM - CDMO with the following capabilities:

- Process Development; Analytical Development & Testing
- Viral Vector, Plasmid DNA, & Cell Therapy Manufacturing

### Requirements

- Monitoring of manufacturing suites and development labs - collect and contextualize all equipment, process, and room data
- Cost-effective, scalable architecture - flexible and extensible for ongoing development of automated capabilities
- Resilient & redundant architecture, minimizing risk to data integrity and providing a modular architecture that contextualizes at the edge

# Center for Breakthrough Medicines / Skellig Automation

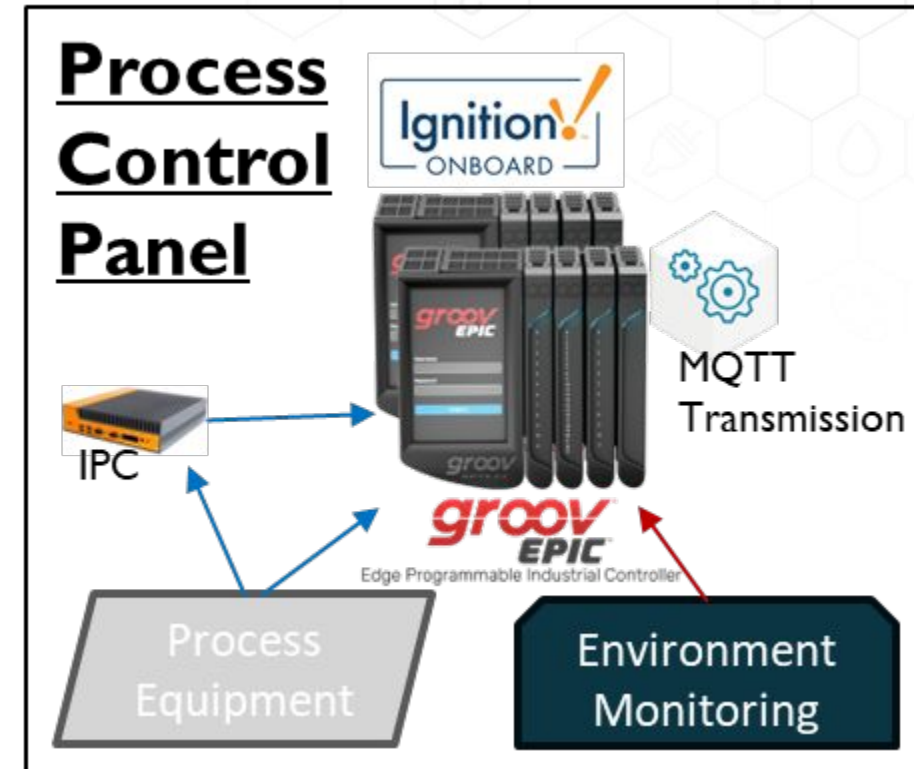




# Center for Breakthrough Medicines / Skellig Automation

## Focus on Capability Deployment

- Automated data collection & contextualization.
- Efficient means to collect, archive, and distribute data.
- High-availability interface for authorized personnel to access data.
- UNS architecture for sharing data between systems.
- Logical controls utilizing metadata to protect and segregate client data/proprietary information.
- Modular/class-based validation approach for rapid system expansion.
- 21 CFR Part 11 compliant capabilities like audit trail and e-sign.



# Center for Breakthrough Medicines / Skellig Automation

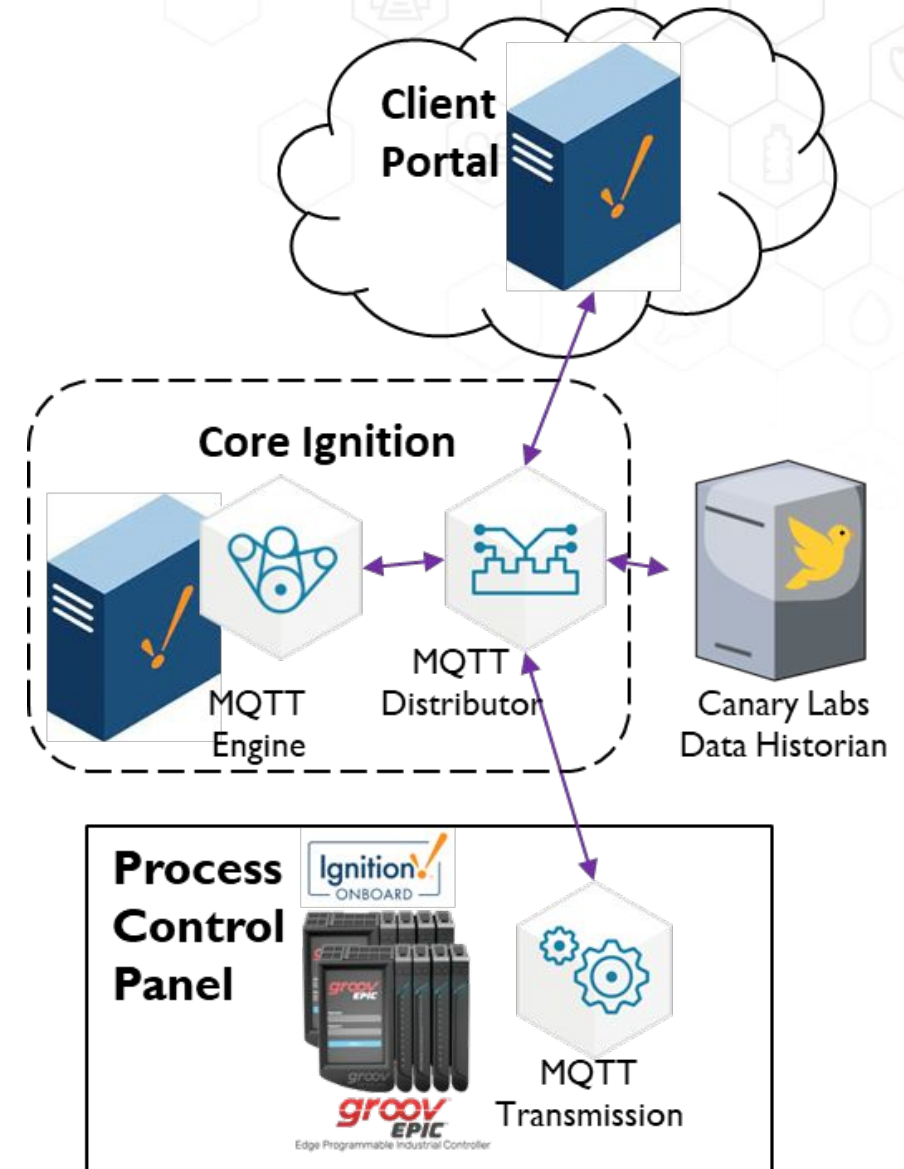
## Project Overview

- **Scope**
  - Data Management System (DMS)
    - Manufacturing process data and laboratory system data
    - Environmental Monitoring System (EMS) - room & equip. subsystem
  - Automation Infrastructure
- **Technology/Architecture:**
  - Ignition Perspective
  - Opto 22 EPIC and RIO
  - Canary Historian
  - MQTT & Sparkplug B

# Center for Breakthrough Medicines / Skellig Automation

## Resulting Functionality

- User interfaces making data readily available to all end users.
- All data repository and collection systems under one global strategy and open to each other via UNS.
- Cutting-edge automation technologies enable scalability.
- Globally deployable automation and data management tools.
- Secure client-facing user portal for external client access.



# Center for Breakthrough Medicines / Skellig Automation

Home

Alarms

Health

Users & Rosters

Trending

Audit Trail

Logbook

CBM Data Management System KOP

27Apr2023 11:29

rlalonde

General Equipment / Instrument Logbook

Browse Tags

CryoPod 1

FLEX2-100

INC-100

INC-101

INC-102

INC-103

INC-104

INC-105

INC-106

INC-107

INC-108

INC-109

INC-110

INC-111

INC-112

INC-113

INC-114

Refrig-123

SEPAX-100

SEPAX-101

SEPAX-102

SEPAX-103

Vi-CELL-100

Xuri-100

Xuri-101

Xuri-102

Xuri-103

Logs (All Entries)

Cleaning Logs

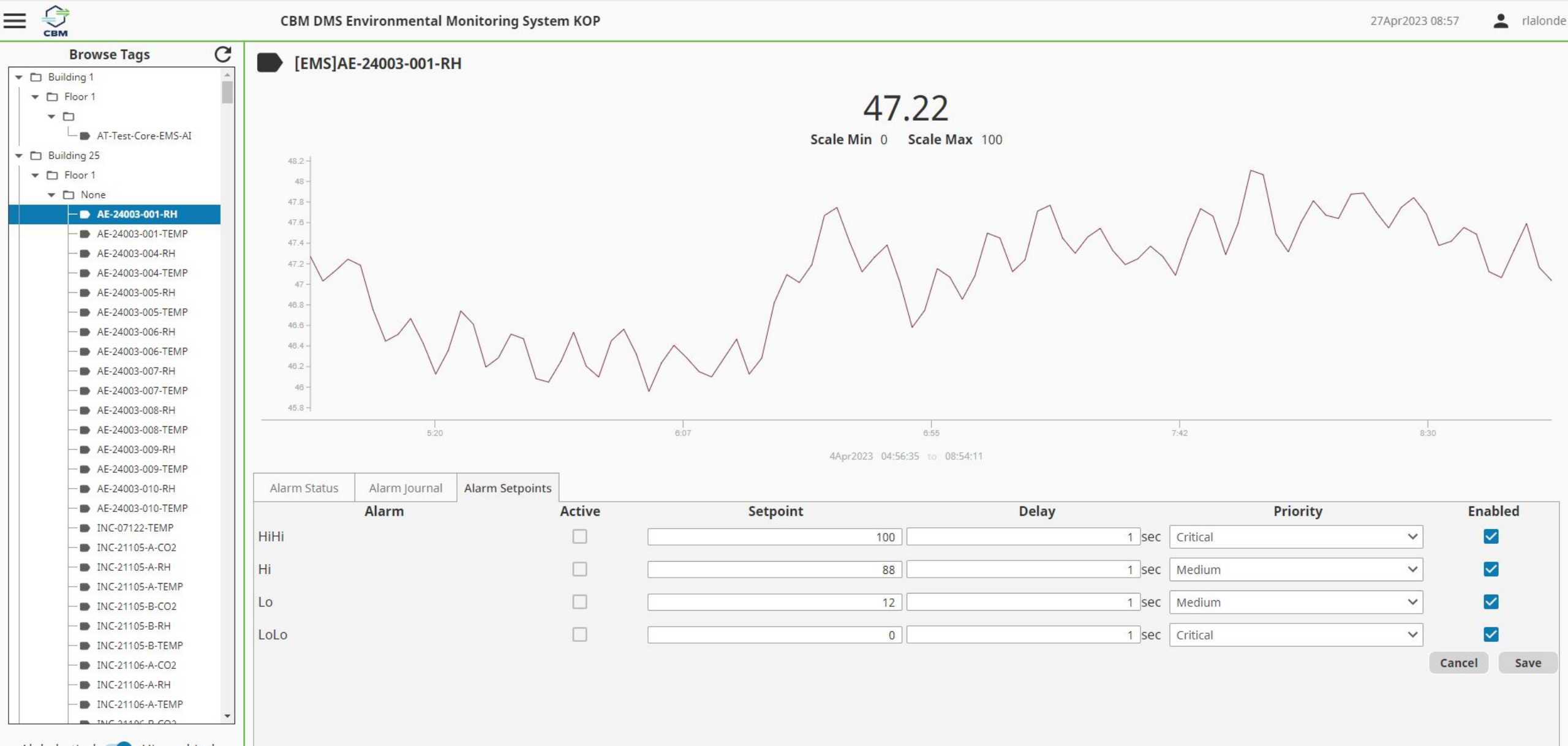
Cleaning Task	Production Batch #	Cleaning Solution Type	Cleaning Solution Lot #	Cleaning Solution Expiry Date	IPA 70 Solution Lot #	IPA 70 Solution Expiry Date	Contact Start Time	Contact End Time	Note	Performed By
Pre-Use	QQ-202211-123	NAOH30	NAOH30-111	01Jan2023	IPA70-111	01Jan2025	09Nov2022 1725	09Nov2022 1730	My hands are typing words	RLalonde
Post-Use	QQ-202211-123	BKF123	6565	01Mar2026	8888	01Mar2026	09Nov2022 1233	09Nov2022 1239	Generic note to test refreshBinding	RLalonde
Monthly	TEST-123	TEST-SOL-123	T-4321	01Jan2030	3334	01Nov2024	13Nov2022 1200	13Nov2022 1206	TEST placeholder note !	rlal

50 rows

1



# Center for Breakthrough Medicines / Skellig Automation



# Center for Breakthrough Medicines / Skellig Automation

CBM

27Apr2023 08:59

ralond

Browse Tags

Building 1

Floor 1

AT-Test-Core-EMS-AI

Building 25

Floor 1

None

AE-24003-001-RH

AE-24003-001-TEMP

AE-24003-004-RH

AE-24003-004-TEMP

AE-24003-005-RH

AE-24003-005-TEMP

AE-24003-006-RH

AE-24003-006-TEMP

AE-24003-007-RH

AE-24003-007-TEMP

AE-24003-008-RH

AE-24003-008-TEMP

AE-24003-009-RH

AE-24003-009-TEMP

AE-24003-010-RH

AE-24003-010-TEMP

INC-07122-TEMP

INC-21105-A-CO2

INC-21105-A-RH

INC-21105-A-TEMP

INC-21105-B-CO2

INC-21105-B-RH

INC-21105-B-TEMP

INC-21106-A-CO2

INC-21106-A-RH

INC-21106-A-TEMP

INC-21106-B-CO2

INC-21106-B-RH

INC-21106-B-TEMP

Alphabetical

Hierarchical

[EMS]AE-24003-001-RH

Alarm Status

Alarm Journal

Alarm

HiHi

Hi

Lo

LoLo

Electronic Signature

Please provide a signature for the following:

Type	Action	Path	Name	Old Value	New Value
Engineering	Modified	[EMS]AE-24003-001-RH/HiHi/Alarm Delay	Alarm Delay Value	1	0.5
Engineering	Modified	[EMS]AE-24003-001-RH/Hi/Alarm Setpoint	Alarm Limit Value	88	90
Engineering	Modified	[EMS]AE-24003-001-RH/Lo/Alarm Setpoint	Alarm Limit Value	12	10
Engineering	Modified	[EMS]AE-24003-001-RH/LoLo/Alarm Delay	Alarm Delay Value	1	0.5

Performed by:

Verified by:

Comments

Comments

Sign

Sign

48.2

48

47.8

47.6

47.4

47.2

47

46.8

46.6

46.4

46.2

46

45.8

5:20

7:42

8:30

48.2

48

47.8

47.6

47.4

47.2

47

46.8

46.6

46.4

46.2

46

45.8

Priority

Enabled

0.5 sec

Critical

1 sec

Medium

1 sec

Medium

0.5 sec

Critical

☒

☒

☒

☒

Cancel

Save

# Center for Breakthrough Medicines / Skellig Automation

## Results

- CBM now has a major advantage over competitors.
- Streamlined approach to data management.
- Ability to globally expand existing system architecture.
- Fast and effective data analysis.
- Quicker decision-making.



# DISCOVER GALLERY

Video showcase of innovative  
Ignition projects from the past year.

Displayed at the Ignition Community Conference  
and on Inductive Automation's website.

[icc.inductiveautomation.com/discover-gallery](https://icc.inductiveautomation.com/discover-gallery)





## Ready to Try Ignition for Yourself?

Download the full version for free at:  
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**[inductiveuniversity.com](https://inductiveuniversity.com)**

*Ignition User Manual also available at:  
**[docs.inductiveautomation.com](https://docs.inductiveautomation.com)***

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# Questions & Comments



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# The. Ignition! Effect

[inductiveautomation.com/about/ignition-effect/](https://inductiveautomation.com/about/ignition-effect/)

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