

*“We are devoted to digitalize manufacturing process;
empowering our clients to produce
more affordable, faster and quality drugs to patients.”*



Marc Ramoneda
Founder & CEO

Current industry pains: the barriers to digitalization.



80% of Tier 2 & 3 biotech and pharma companies have **data in silos** (Level 2 of Digital Maturity Level) as per Biophorum reports.



Current **monolithic**, expensive and non-scalable systems block digitalization projects.



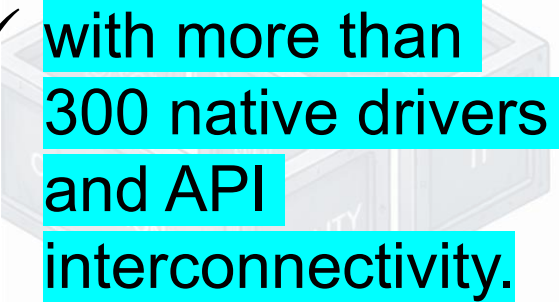
STANDARD
IT VENDORS



LIFE SCIENCES EXPERTISE
(MANUFACTURING
& QUALITY)


Lack of manufacturing and quality expertise in "IT" vendors. The offered technical solutions **don't "Fit-for-Purpose"**.

The solution: Appliant Manufacturing Intelligence Platform (MIP).



✓ with more than 300 native drivers and API interconnectivity.

80% of Tier 2 & 3 biotech and pharma companies have data in silos (Level 2 of Digital Maturity Level) as per Biophorum reports.

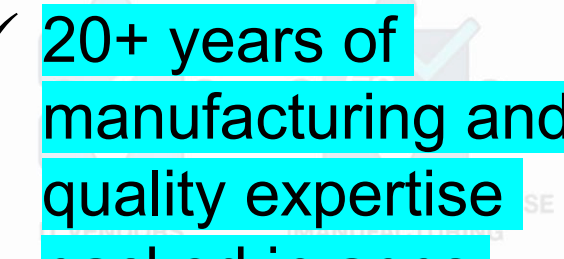


✓ modular automation, scalable and cost efficient.

Current monolithic, expensive and non-scalable systems block digitalization projects.



✓ GMP & FDA Compliance.



✓ 20+ years of manufacturing and quality expertise packed in apps.

Lack of manufacturing and quality expertise in "IT" vendors. The offered technical solutions don't "Fit-for-Purpose".

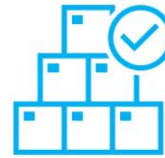
The solution: Appliant Manufacturing Intelligence Platform (MIP).

Breaking data silos to increase your operational efficiency. In a GMP compliant way.



Appliant Manufacturing Intelligence Platform

Real Time Dashboarding
Advanced Analytics
Historian
Audit Trail
Active Directory



FDA 21 CFR Part 11
EU GMP Annex 11
GAMP5 software category 4
VDI/VDE/NAMUR 2658
Cybersecure IEC 62443



ERP
connector



QMS
connector



LIMS
connector



eDoc App
eLogBooks



PoG App
Paper on Glass



eBR App
electronic Batch
Record



Planner App
Scheduler planner



Utilities App
BMS, EMS, Clean
& Black Utilities



Machine App
Operational Unit,
process & filling
equipment



PAT App
Process Analytical
Technologies



PQR App
Real Time Product
Quality Review

Solving Specific User Persona Needs with Appliant MIP.

- ✓ Control Tower (**Global Dashboard**), Real-Time: Provides a centralized, live overview of manufacturing operations
- ✓ All **Production Data in One Space**: Consolidates disparate data streams into a single environment for easier management
- ✓ Operational Excellence: Enables the execution of "Operational Excellence" tasks by providing the necessary **visibility into shopfloor processes**

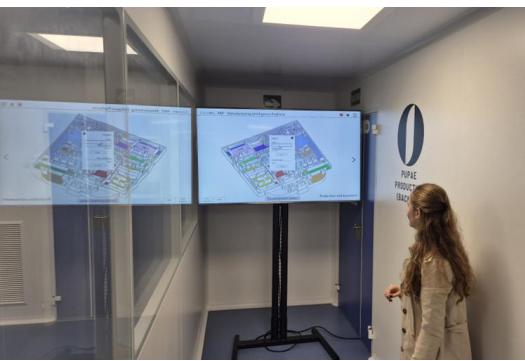
- ✓ **Single Source of Truth**: Eliminates data silos, providing a unified platform for managing deviations, root cause analysis, and CAPA (Corrective and Preventive Actions)
- ✓ **Data Integrity & Global Audit Trail**: Ensures regulatory compliance and total traceability throughout the manufacturing lifecycle
- ✓ **Automated Annual Product Quality Review (APQR)**: The MIP can automatically aggregate data from multiple systems (like LIMS and QMS) to generate submission-ready PQR reports in real-time



- ✓ **Licenses Optimization**: Reduces overlapping costs by consolidating functionalities into a single platform rather than maintaining multiple redundant systems
- ✓ **IT/OT Convergence**: Bridges the gap between Information Technology and Operational Technology, which Appliant identifies as the starting point for true digital transformation
- ✓ **Scalable and Future-Proof Infrastructure**: Built on zenon technology (by COPA DATA), the MIP offers a modular architecture that is flexible and ready to scale according to a plant's digital maturity

- ✓ **Increased Operational Efficiency**: MIP transforms raw data into **actionable insights** to optimize every stage of production.
- ✓ **Faster Time to Market**: By streamlining batch releases and reducing operational costs through predictive analysis, products can reach patients more quickly
- ✓ **AI-Ready Platform**: The infrastructure is designed to support advanced analytics and AI-driven comparative analysis for identifying defective batches and predicting quality

A proven track record.



Cocoon
PROTEINS FOR SUSTAINABILITY

- eDoc App**
eLogBooks
- PoG App**
Paper on Glass
- eBR App**
electronic Batch Record
- Utilities App**
BMS, EMS, Clean & Black Utilities
- Machine App**
Operational Unit, process & filling equipment
- ERP connector**

100% Data Integrity and Audit Trails fulfillment, of the whole entire site from one-single validated platform “Cocoon – MIP”



meribel
PHARMA SOLUTIONS

- eDoc App**
eLogBooks
- PoG App**
Paper on Glass
- eBR App**
electronic Batch Record

75% faster Time-To-Market → batch release process from 11 days down to 2 days.

Building Management System



Leanbio


- eBR App**
electronic Batch Record
- Utilities App**
BMS, EMS, Clean & Black Utilities
- Machine App**
Operational Unit, process & filling equipment
- Planner App**
Scheduler planner
- ERP connector**
- QMS connector**

100% process fulfillment, with 0 missing entries thanks to an end-to-end integration including ERP and QMS.

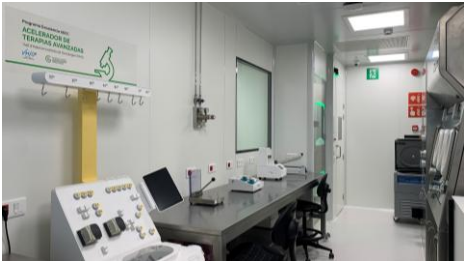
A proven track record.





Utilities App
BMS, EMS,
Clean & Black
Utilities



Machine App
Operational Unit,
process & filling
equipment

Particle counters connected to the EMS app (Environmental Management System) **to secure process quality** in advanced therapies.





eDoc App
eLogBooks


PoG App
Paper on Glass


eBR App
electronic Batch
Record


Utilities App
BMS, EMS,
Clean & Black
Utilities


Machine App
Operational Unit,
process & filling
equipment


QMS
connector

100% data capture to ensure process robustness in personalized ATMPs and to establish a reliable baseline for continuous treatment improvement.




eDoc App
eLogBooks


PoG App
Paper on Glass


Machine App
Operational Unit,
process & filling
equipment

Secure 6 single use bioreactors interoperability with a platform AI ready and ready to collect patients' data from different hospitals.

A proven track record.



UAB
Universitat Autònoma
de Barcelona



Breaking data silos to interconnect Raman's spectrum data, process bioreactor data and off-line data.



 **aglarisCell**



Adding the GMP compliance layer, data contextualization and batch control to increase process robustness.



(SBIO)
FILLING TECHNOLOGIES
a Tema Sinergie company



Standardize process control, adding the GMP compliance layer and batch control for radiopharma production.

A proven track record.

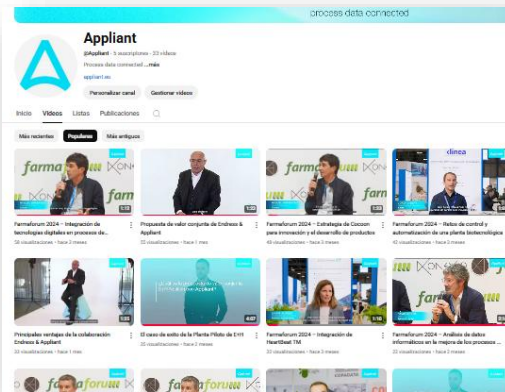


Endress + Hauser
People for Process Automation



Machine App
Operational Unit,
process & filling
equipment

Holding time reduction between batches thanks to instrument calibration checking via *Netilion Platform*.



More success stories in our YouTube Channel:

<https://www.youtube.com/@Appliant/videos>



THANK YOU!
Let's keep connected ;)

Marc Ramoneda
Founder & CEO
+34 660 70 56 79
marc@appliant.eu

One platform to control and digitalize the whole production site.


Appliant


Buscar

 PANEL DE CONTROL

 AGENDA

 PLANNER


 EBR


 eBRs


 Catalog


 POG

 BMS

 GENERAL

 AHU


 BLACK UTILITIES

 EMS

 PARTICLE COUNTERS


 CLEAN UTILITES

 PROCESS EQUIPMENT

 GENERAL

 QUALITY & COMPLIANCE



 **appliant**
Superuser



Granularity from whole site down to line, equipment and sensor.

Appliant


Buscar

 PANEL DE CONTROL

 AGENDA

 PLANNER ▶


 EBR ▼

 eBRs

 Catalog ▶

 POG ▶

 BMS ▼

 GENERAL


 AHU

 BLACK UTILITIES

 EMS ▼

 PARTICLE COUNTERS

 CLEAN UTILITES

 PROCESS EQUIPMENT ▼

 GENERAL

 QUALITY & COMPLIANCE



 appliant
Superuser



eBR with its own Life Cycle embedded, no external SOPs needed.

Appliant

Buscar

- PANEL DE CONTROL
- AGENDA
- PLANNER
- EBR
 - eBRs
 - Catalog
- POG
- BMS
 - GENERAL
 - AHU
 - BLACK UTILITIES
- EMS
 - PARTICLE COUNTERS
 - CLEAN UTILITES
- PROCESS EQUIPMENT
 - GENERAL
- QUALITY & COMPLIANCE

EBR - Applifen 500

Home > eBRs

📄 EBR 🗑️ ⚙️ 🔗

INFORMATION

Name * ◆ Active Procedures

Comment

Párrafo **B** *I*

Applifen 500 is an **ibuprofen** tablet product manufactured by **Appliant** using a precise, six-stage pharmaceutical process that encompasses **wet granulation**, drying, milling, and **high-speed rotary compression**,,. To ensure stability and physical integrity, the tablets are finished with a **protective film coating** and undergo rigorous testing, including **HPLC Assay** for potency and **dissolution testing** to confirm the drug release profile meets pharmacopeia standards.

FLUJOS

Flujo Aprobación eBR

Flujo Aprobación PoG

PAPER ON GLASS

STAGE 1 APPLIFEN 500

Before equipment can be activated, the system enforces a digital interlock.

Step	Task	UI Element	Requirement
1.1	Line Clearance	Check-box	Confirm area is free of previous batch items.
1.2	Cleanroom Status	Drop-box	Select Status: [Cleared / To be Cleaned / In-Use].
1.3	eSignature	Digital ID	Technician sign-off; generates Auto-Timestamp.

Line Clearance

- Applifen 500
 - Stage 1 Applifen 500
 - Line Clearance
 - Clean room status
 - Stage 2 Applifen 500
 - RM Barcode
 - Binder
 - IPC LOD
 - Stage 3 Applifen 500
 - Turret Speed
 - Mean Weight
 - Hardness
 - Std Dev

Customized workflows and approval processes.

Appliant

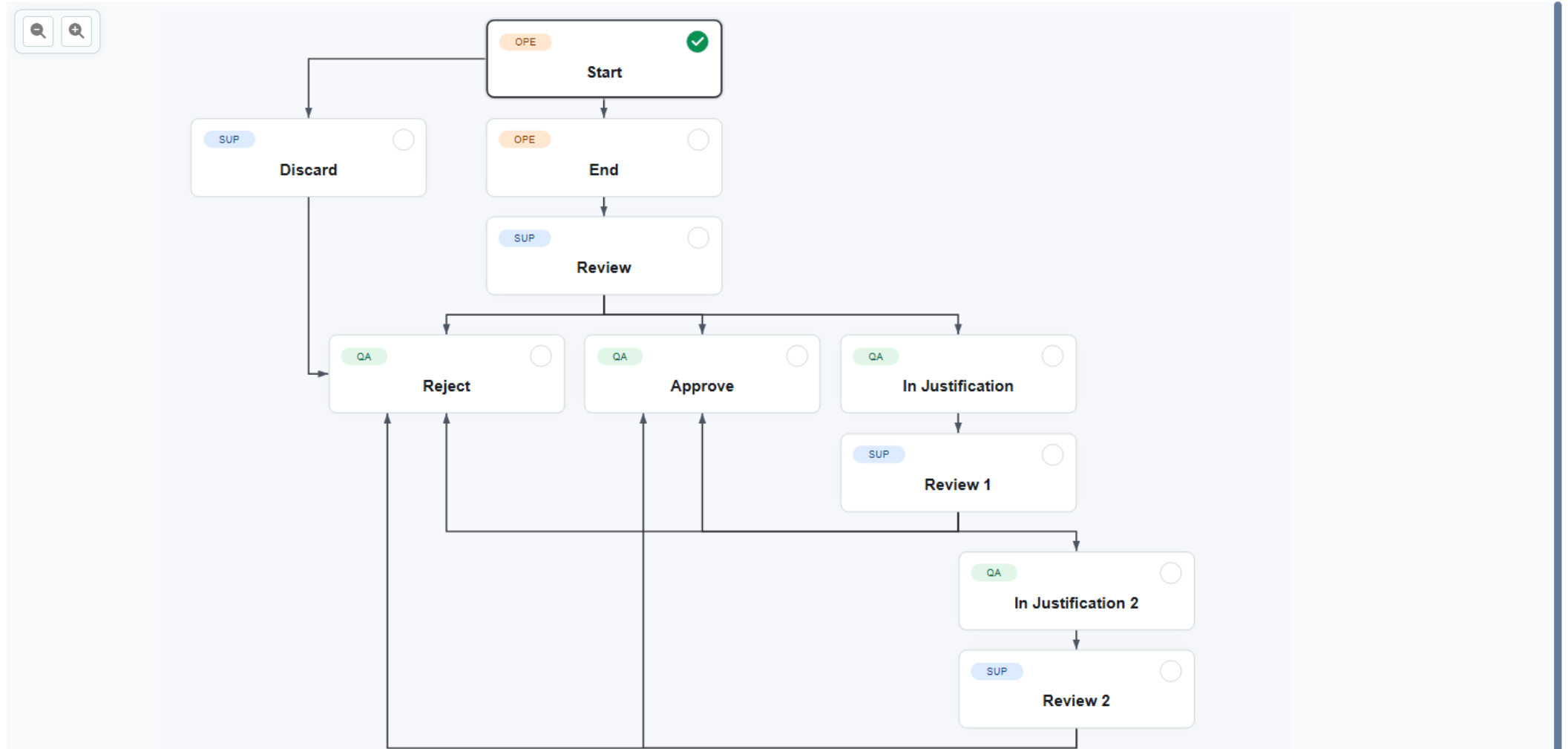
Buscar 🔍

- PANEL DE CONTROL
- AGENDA
- PLANNER
- EBR
 - eBRs
 - Catalog
- POG
- BMS
 - GENERAL
 - AHU
 - BLACK UTILITIES
- EMS
 - PARTICLE COUNTERS
 - CLEAN UTILITES
- PROCESS EQUIPMENT
 - GENERAL
- QUALITY & COMPLIANCE

EBR - Applifen 500 - V 1.0

Home > Versions

FLUJO



Electronic Batch Records available at any time, at any stage.

Appliant

Buscar

PANEL DE CONTROL

- AGENDA
- PLANNER
- EBR
 - eBRs
 - Catalog
- POG
 - PoGs
 - PoGs Alarms
 - Estados PoGs
 - Estados Flujos PoGs
 - Flujos Aprobación PoGs
- BMS
 - GENERAL
 - AHU
 - BLACK UTILITIES
- EMS
- PARTICLE COUNTERS

POG - APP500_1234 - Appliant SQV

Home > PoGs

APP500_1234 - Appliant SQV 4 / 5 75%

56.0 appliant April 8, 2026, 3:56 p.m.

3/5

Appliant APP500_1234 - Appliant SQV

Turret Speed

123.0	appliant	April 8, 2026, 3:56 p.m.
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Mean Weight

46.0	appliant	April 8, 2026, 3:57 p.m.
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Hardness

34.0	appliant	April 8, 2026, 3:57 p.m.
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REVISIÓN Y APROBACIÓN POG

Status	User	Date and Time	Comment
Appliant Technician	appliant	08/04/2026 11:50:41	

- APP500_1234 - Appliant SQV
 - Stage 1 Appliant 500
 - Stage 2 Appliant 500
 - Stage 3 Appliant 500
 - Report**
 - Audit Trail
 - Alarms

Real Time monitoring of all clean room status and utilities.

Appliant



appliant
Superuser

Buscar

PANEL DE CONTROL

AGENDA

PLANNER ▶

EBR ▶

POG ▶

BMS ▼

GENERAL

AHU

BLACK UTILITIES

EMS ▼

PARTICLE COUNTERS

CLEAN UTILITES

PROCESS EQUIPMENT ▼

GENERAL

QUALITY & COMPLIANCE

USERS AND PROFILES ▶

AUDIT TRAIL ▶



AUTO 0 MAN

A scheduler to plan production taking in consideration room status.

Appliant

Buscar

- PANEL DE CONTROL
- AGENDA
- PLANNER
 - Room Reservations
 - Productions
 - Catalog
- EBR
- POG
- BMS
 - GENERAL
 - AHU
 - BLACK UTILITIES
- EMS
 - PARTICLE COUNTERS
 - CLEAN UTILITES
- PROCESS EQUIPMENT
 - GENERAL
- QUALITY & COMPLIANCE

← | > | Hoy | abril de 2026 | Mes | Semana | Día

lun	mar	mié	jue	vie	sáb	dom
30	31	1	2	3	4	5
6	7 ● 00:00 APP500_1234	8	9	10	11	12
13 ● 09:00 App_12345	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

🏠
📍

Gathering real time data from production and lab.

Appliant

Buscar

- PANEL DE CONTROL**
- AGENDA**
- PLANNER**
- EBR**
- POG**
- BMS**
- GENERAL**
- AHU**
- BLACK UTILITIES**
- EMS**
- PARTICLE COUNTERS**
- CLEAN UTILITES**
- PROCESS EQUIPMENT**
- GENERAL**
- QUALITY & COMPLIANCE**
- USERS AND PROFILES**
- AUDIT TRAIL**



BIO-PROCESS MONITORING & CONTROL | BATCH: B24-107 | CELL LINE: CHO-K1 | DATE: OCT 26, 2023 11:45:26 AM | STATE: STABLE | RUN TIME: 145:32

PROCESS CRITICAL PARAMETERS (CPPs)

- TEMP **37.0 °C** ↑ Green stide
- pH **7.10** ↓ Green stide
- DO **30.1 %** ↓ Green stide
- STIRRING **120 RPM** Green stide
- AIRFLOW **2.5 L/min** ↑ Green stide
- CO2 FLOW **0.8 L/min** ↓ Green stide

TRENDS CPPs & CQAs

CRITICAL QUALITY ATTRIBUTES (CQAs)

VIABLE CELL DENSITY	VIABILITY	TITER (mAb)	GLUCOSE
12.4 x10 ⁶ cells/mL	96.8 %	1.8 g/L	2.1 g/L

CONTROL SP SP

VALUE	SP	ACTIVE
37.0	37	2.1

ACTIVE

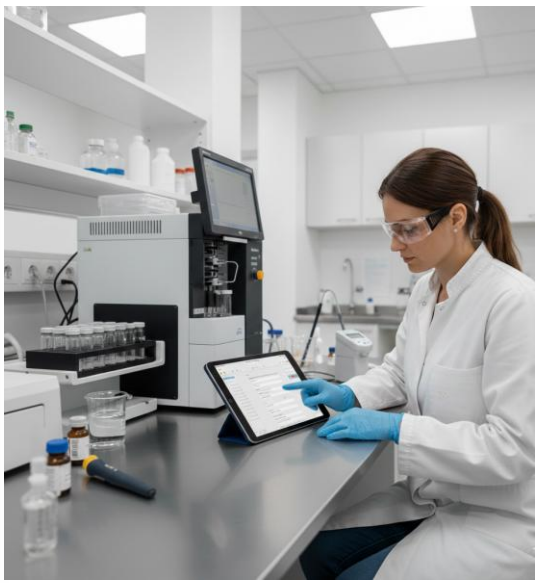
START/STOP

AUTO MANUAL

ALARMS

RECIPE

SYSTEM OK | USER: OPERATOR1 STATUS | USER: OPERATOR1



BIO-PROCESS RAMAN ANALYTICS | SPECTRUM VIEW | BATCH: R-B24-107 | CELL LINE: CHO-K1 | DATE: OCT 26, 2023 11:48:00 AM | SYSTEM: RAMAN-X | STATE: ACTIVE | RUN TIME: 145:35

RAMAN SYSTEM OVERVIEW

SPECTRAL PARAMETERS (SPs)

- LASER PWR **200 mW** ↑ Green stide
- pH **300 mW** ↓ Green stide
- DO **30 sec** Green stide
- INTEGRATION **10 scans** Green stide
- ACCUMS **10 scans** Green stide
- SAMPLE STATUS **Active Scan** Green stide

SPECTRUM (RAW)

SPECTRUM (DECONVOLVED/TREND)

CRITICAL QUALITY ATTRIBUTES (CQAs)

GLUCOSE	VIABILITY	TITER (mAb)	CELL DENSITY
2.1 g/L	96.8 %	1.8 g/L	12.4 x10 ⁶ cells/mL

CONTROL SP SP

VALUE	SP	ACTIVE
37.0	37	2.1

ACTIVE

START/STOP

AUTO MANUAL

ALARMS RAMAN MODE

RECIPE

SYSTEM OK | USER: OPERATOR1 STATUS | USER: OPERATOR1

P&IDs of utilities, process equipment and packaging lines.

Appliant

Buscar

PANEL DE CONTROL

AGENDA

PLANNER

EBR

POG

BMS

GENERAL

AHU

BLACK UTILITIES

EMS

PARTICLE COUNTERS

CLEAN UTILITES

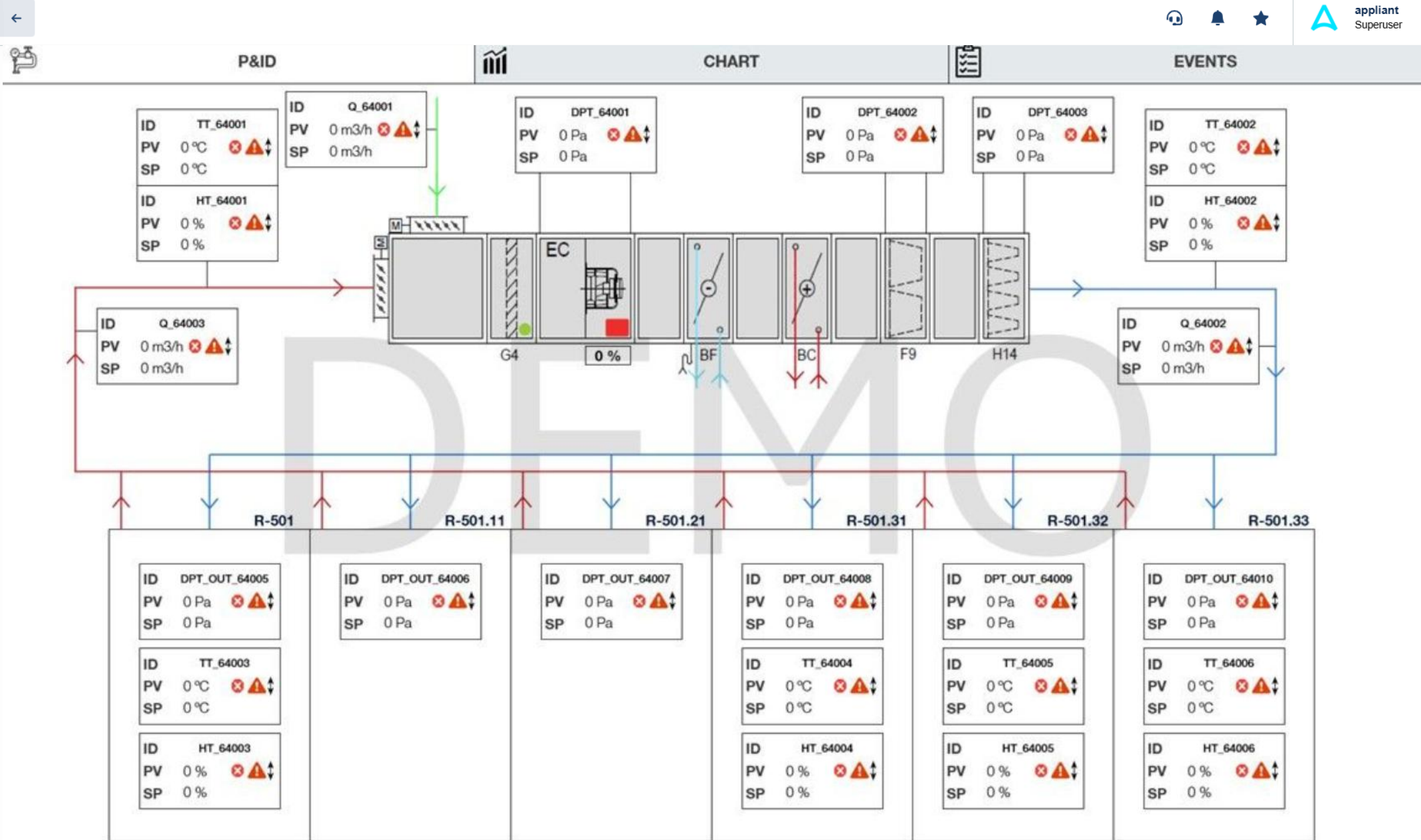
PROCESS EQUIPMENT

GENERAL

QUALITY & COMPLIANCE

USERS AND PROFILES

AUDIT TRAIL



appliant Superuser

Environmental Management System including particle counters.

Appliant



appliant
Superuser

Buscar

PANEL DE CONTROL

AGENDA

PLANNER ▶

EBR ▶

POG ▶

BMS ▼

GENERAL

AHU

BLACK UTILITIES

EMS ▼

PARTICLE COUNTERS

CLEAN UTILITES

PROCESS EQUIPMENT ▼

GENERAL

QUALITY & COMPLIANCE

USERS AND PROFILES ▶

AUDIT TRAIL ▶

ROOM

Status Flow

Particles 0,5 um

Particles 5,0 um

UNIPACK

Status Flow

Particles 0,5 um

Particles 5,0 um

OGEM

Status Flow

Particles 0,5 um

Particles 5,0 um

BOTTLE BUFFER

Status Flow

Particles 0,5 um

Particles 5,0 um

DEMO

Beacon Status

OFF

testabiece
Beacon

General

Graphics

AML

Audit Trail

Report

System Info

One Audit Trail for the whole site.

Appliant

Buscar

- EBR
- POG
- BMS
 - GENERAL
 - AHU
 - BLACK UTILITIES
- EMS
 - PARTICLE COUNTERS
 - CLEAN UTILITES
- PROCESS EQUIPMENT
 - GENERAL
- QUALITY & COMPLIANCE
- USERS AND PROFILES
- AUDIT TRAIL
 - Logs de Acceso
 - Logs de Base de datos

Logs de Base de datos

Home > Logs de Base de datos

Search

Mostrando 1 a 10 de 457 registros

OBJETO	USER	MODEL	ACTION	DATE	COMMENT
<input type="checkbox"/> Applifen_Quality	appliant	Estado Flujo PoG	Visualización	09/04/2026 11:52	
<input type="checkbox"/> Applifen_Technician	appliant	Estado Flujo PoG	Visualización	09/04/2026 11:52	
<input type="checkbox"/> Applifen_Supervisor	appliant	Estado Flujo PoG	Visualización	09/04/2026 11:52	
<input type="checkbox"/> Applifen500_approval process	appliant	Flujo Aprobación PoG	Visualización	09/04/2026 11:51	
<input type="checkbox"/> Applifen_Supervisor	appliant	Estado Flujo PoG	Visualización	09/04/2026 11:51	
<input type="checkbox"/> Applifen_Technician	appliant	Estado Flujo PoG	Visualización	09/04/2026 11:51	
<input type="checkbox"/> Applifen_Quality	appliant	Estado Flujo PoG	Visualización	09/04/2026 11:51	
<input type="checkbox"/> Applifen500_approval process	appliant	Flujo Aprobación PoG	Visualización	09/04/2026 11:50	
<input type="checkbox"/> PoGSignature object (7)	appliant	Firmas PoG	Creación	08/04/2026 16:01	
<input type="checkbox"/> Mean Weight	appliant	PoG Data	Edición	08/04/2026 16:01	

Mostrar registros