ENGINEERING / PARTS / AUTOMATION

Products & Solutions Catalog

Bakery manufacturing and industrial operations

Engineering Reliability. Automating Excellence.

COMPANY PROFILE + SEVEN PRODUCT & SOLUTION CATALOGS

EXPLORE THE RANGE

Catalog contents

01 **Company profile** 3-7

02 **Industrial cutting blades** 8-15

03 **Bread circular blade** 16

04 **Emplex rotary knife** 17

05 **Proofer chain** 18-19

06 **PTFE press belt** 20-21

07 **Pallet stretch wrapping machine** 22-23

08 **Continuous monitoring system** 24-26

Original product specifications, images and contact details are retained.

Use the PDF bookmarks to jump directly to a catalog section.

Octave Works

Engineering Reliability. Automating Excellence.



YOUR TECHNICAL PARTNER

FOR BAKERY MANUFACTURING

Industrial replacement parts | Environmental remote monitoring | PLC & automation solutions

Built on practical plant-floor experience

Focused on equipment reliability, cost-effective sourcing and controls solutions for high-volume food and bakery operations.

COMPANY PROFILE

Prepared for bakery procurement, maintenance and engineering teams

Daniel Salazar, AScT | FSR Class B | Founder

01 / COMPANY OVERVIEW

Industry knowledge. Practical solutions.

A technical supplier built around the real operational needs of industrial bakeries.

Octave Works provides replacement machine components and technical services for bakery manufacturers seeking reliable equipment performance, responsive support and practical cost control.

WHY Octave Works

Led by Daniel Salazar, AScT and FSR Class B, with nearly three decades of experience in bakery maintenance, electrical systems, instrumentation and industrial automation.

THREE CORE SERVICE AREAS

Machine Parts

Replacement blades, PTFE press belts and machine-specific components.

Remote Monitoring

Temperature trends, alerts, data logging and reporting for plant environments.

PLC & Controls

Industrial PLC troubleshooting, HMI integration and automation improvements.

OUR APPROACH

- Understand the equipment and operating challenge
- Propose practical options with clear scope
- Support evaluation, installation or implementation

02 / PRODUCTS AND MONITORING

Parts supply & remote visibility

Support for production equipment, cold storage and critical process conditions.

INDUSTRIAL BAKERY REPLACEMENT PARTS



Cutting & packaging blades



PTFE belts & machine components

Example offerings include Hartmann VS320-style toothed bagger blades, bread slicer blades, tortilla press belts and selected conveyor components. Fit, materials and specifications are confirmed per application.

ENVIRONMENTAL REMOTE MONITORING

Temperature Overview

Cooler 01	**2.8 C**
Freezer 01	**-23.4 C**
Proofer 01	**38.2 C**

Monitoring features

- High / low alerts
- Historical trends
- Cloud dashboards
- Remote access
- Report exports

Illustrative dashboard concept - not a live customer system screenshot.

03 / AUTOMATION & ENGAGEMENT

Controls expertise. Real results.

Technical collaboration from problem definition to practical deployment.

INDUSTRIAL AUTOMATION & ELECTRICAL CONTROLS

- Allen-Bradley PLC diagnostics, programming and upgrades
- Operator interface (HMI) integration and improvements
- Instrumentation, sensors and machine control troubleshooting
- Controls retrofits, production monitoring and data acquisition
- Machine reliability, safety-minded design and commissioning support

EXAMPLE AREAS FOR COLLABORATION

Replacement-parts evaluation • Trial orders and technical drawings • Temperature monitoring pilot • PLC/HMI upgrade assessment • Machine downtime reduction projects

LET’S DISCUSS YOUR FACILITY NEEDS

We welcome introductions to procurement, maintenance, plant engineering and continuous improvement teams. An initial technical discussion can identify suitable products or a clearly scoped pilot project.

CONTACT

Daniel Salazar, AScT | FSR Class B

Founder, Octave Works

Contact email and phone available upon request.

04 / PRODUCT CATALOG

Industrial bakery parts catalog

Selected replacement parts and custom sourcing for bakery manufacturing equipment.

PRODUCT RANGE | TECHNICAL REFERENCE

01

PTFE PRESS BELT

Tortilla press / Lawrence 52 Mega

0.23 mm thick x 1,320 mm wide x 8,271 mm long

With metal shim / plates; drawings and fit confirmation required.

02

TOOTHED BAGGER BLADE

GHD Hartmann VS320

450 x 23.5 x 1 mm | Stainless steel

Toothed cutting blade; verify pitch and mounting details.

03

CIRCULAR BREAD SLICER BLADE

Bread slicing machinery | 71880-O

12 in nominal diameter

Confirm bore, tooth geometry, steel grade and machine compatibility.

04

ROTARY KNIFE BLADE

Emplex packaging equipment | 1P0096

2 in OD | 0.31 in ID | 0.062 in thick

Confirm cutting edge and equipment fitment before ordering.

05

PROOFER CONVEYOR CHAIN

C206HP stainless steel hollow-pin chain

7/8 in Delrin rollers | D-1 pins every 4th link

1/2 in pin dia. x 1-1/4 in extension; proposed package: 600 ft.

CUSTOM PARTS & QUOTATIONS

Send the machine model, OEM part number, drawing or sample for fit and material verification. Product availability and lead time confirmed by quotation.

Octave Works

Engineering Reliability. Automating Excellence.

INDUSTRIAL CUTTING BLADES PRODUCT CATALOG

- Long serrated blades - continuous bands
- Precision circular blades
- Bread slicing / toaster blades
- Serrated blades with two- and three-hole mounting

CUSTOM DIMENSIONS & MATERIALS AVAILABLE BY QUOTATION

Product dimensions and material options subject to confirmation.

Octave Works

Engineering Reliability. Automating Excellence.

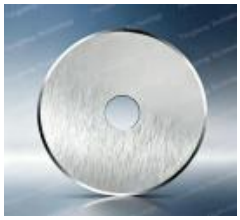
LONG SERRATED BLADES

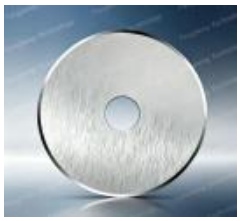
PRODUCT NAME	SIZE(mm)	MATERIAL	
Serrated blade with	1945*10.8*0.3	Carbon steel	Stainless steel
	3550*12*0.45	Carbon steel	Stainless steel
	4115*12*0.45	Carbon steel	Stainless steel
	4150*12*0.45	Carbon steel	Stainless steel
	4242*12*0.45	Carbon steel	Stainless steel
	4470*12*0.45	Carbon steel	Stainless steel
	4674*12*0.45	Carbon steel	Stainless steel
	Dimensions can be customized according to client requirements.		

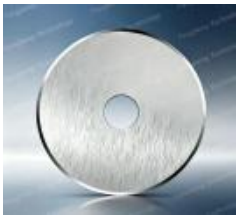
Octave Works

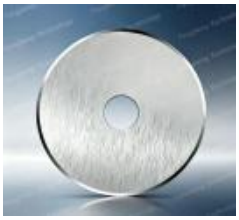
Engineering Reliability. Automating Excellence.

PRECISION CIRCULAR BLADES

PRODUCT NAME	SIZE(mm)	MATERIAL			
Circular blade 	18*5*0.3	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	28*5*0.3	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	45*8*0.3	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	50*8*0.3	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	60*8*0.3	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	60*10*0.3	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	60*12*0.3	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	70*32*0.8	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	40*22*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	50*16*1	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	76*22*1.2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide

	80*22*1.2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	80*32*1.2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	80*40*1	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	90*22*1.2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	90*55*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	100*16*1	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	100*20*1	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	100*20*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	100*25.4*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	100*32*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	100*40*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	100*50*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	110*16*1	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	110*20*1	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	110*20*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide

	110*25.4*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	110*32*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	110*40*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	110*50*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	110*60*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	120*20*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	120*25.4*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	120*32*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	120*40*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	120*50*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	120*60*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	130*25.4*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	150*25.4*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	150*32*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	150*40*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide

	150*50*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	160*25.4*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	170*32*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	180*25.4*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
	180*32*2	Stainless Steel(SS)	Tool steel	High-Speed Steel(HSS)	Cemented carbide
Note: Customization based on various drawings is supported.					

Octave Works

Engineering Reliability. Automating Excellence.

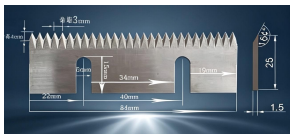
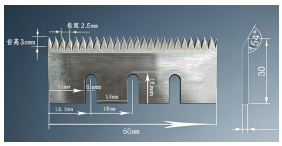
BREAD SLICER BLADES

PRODUCT NAME	SIZE(mm)	MATERIAL		
Bread machine/Toaster blade 	225*11*0.4	3Cr13	420	440C
	275*11*0.4	3Cr13	420	440C
	300*7*0.4	3Cr13	420	440C
	300*11*0.4	3Cr13	420	440C
	330*11*0.4	3Cr13	420	440C
	370*10*0.4	3Cr13	420.	440C
	425*11*0.4	3Cr13	420	440C
	880*13*0.5	9Cr18Mo		440C
	1000*13*0.6	9Cr18Mo		440C
	1020*13*0.6	9Cr18Mo		440C
Note: Customization based on various drawings is supported.				

Octave Works

Engineering Reliability. Automating Excellence.

SERRATED BLADES WITH MOUNTING HOLES

PRODUCT NAME	SIZE(mm)	MATERIAL
Serrated blade with two holes 	54*25*1.5	High-speed steel
	57*40*1.5	High-speed steel
	62*25*1.5	High-speed steel
	62*40*1.5	High-speed steel
	65*30*1.5	High-speed steel
	75*25*1.5	High-speed steel
	75*35*1.5	High-speed steel
	84*25*1.5	High-speed steel
Three-hole serrated blade 	65*30*1.5	High-speed steel
	75*25*1.5	High-speed steel
	75*35*1.5	High-speed steel

PRODUCT CATALOG

PART NO. 71880-O

BREAD CIRCULAR BLADE 12”

For Ryan Model 892

Center-Hinge Butterfly Slicer



Customer-supplied blade photo; background edited.

PART NUMBER

71880-O

OUTSIDE DIAMETER

12 in / 304.8 mm

CENTRE BORE

5/8 in / 15.875 mm

3 surrounding holes

Each hole: Ø 7.7 mm

APPLICATION

For Ryan Model 892

Center-Hinge
Butterfly Slicer

REQUEST A QUOTE

Quote part number 71880-O
and your required quantity.

Contact Octave Works for pricing and availability.

Machine name identifies the intended application. Confirm mounting dimensions before ordering.

ORDERING & ENQUIRIES

zeny.villamera@octaveworks.com

Mobile: 778-928-0290

sales@octavesolution.com

PRODUCT CATALOG

OEM REF. 1P0096

ROTARY KNIFE BLADE

For Emplex Heat Sealers

Stainless steel | OEM part reference: 1P0096



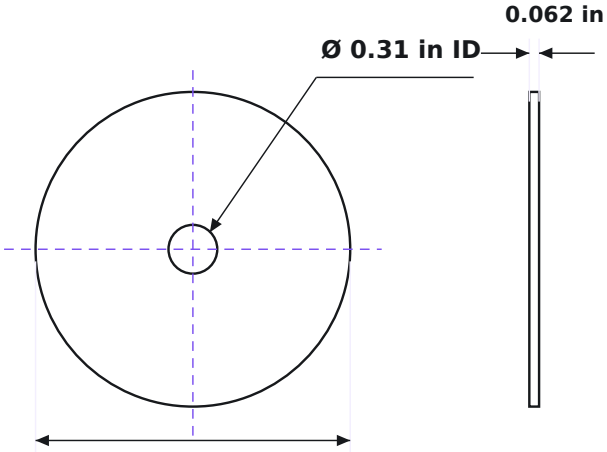
PRECISION REPLACEMENT PART

Stainless Steel

Rotary cutting blade

Outside diameter	**2 in**
Inside diameter	**0.31 in**
Thickness	**0.062 in**
OEM reference	**1P0096**

DIMENSION DRAWING



FRONT VIEW

SIDE VIEW



Emplex MPS 6500

MPS 6000 Series

Drawing not to scale. Dimensions supplied by customer. Confirm fit before ordering.
Machine photo: Foodpak / Emplex. OEM reference is for part identification.

ORDERING & ENQUIRIES

zeny.villamera@octaveworks.com

Mobile: 778-928-0290

sales@octavesolution.com

SALES CATALOG

BAKERY EQUIPMENT PARTS

PROOFER CHAIN

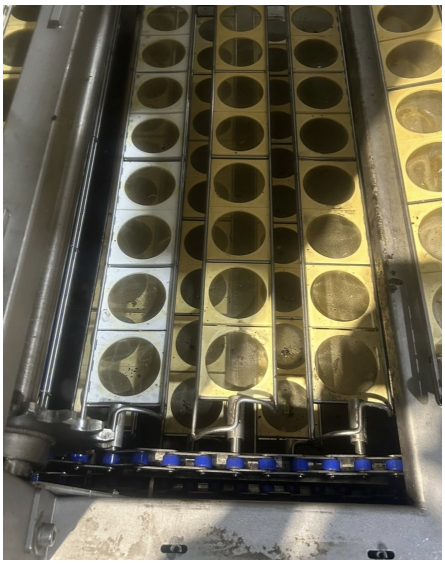
Octave Works PART NUMBER

OS-PC-52

For use with Lawrence Equipment
Tortilla Line 52 Mega OP/AL



PROOFER CHAIN ASSEMBLIES



MACHINE APPLICATION

A COMPLETE PACKAGE FOR YOUR PROOFER

Stainless steel proofer chain supplied as a package sized to fit the Lawrence Equipment Tortilla Line 52 Mega OP/AL.

STAINLESS STEEL

Chain construction

600 ft

Package length | approximately 182 m

REQUEST PRODUCT INFORMATION

Contact Octave Works and reference part OS-PC-52.

Detailed specifications available upon request.

Provide your machine model when requesting a quotation.

Octave Works
zeny.villamera@octaveworks.com
ORDERING: 778-928-0290

sales@octavesolution.com

MACHINE APPLICATION

PROOFER CHAIN

BUILT FOR YOUR LINE

Lawrence Equipment Tortilla Line 52Mega

Machine reference | 52 Mega OP/AL



LAWRENCE EQUIPMENT TORTILLA LINE 52MEGA

PROOFER CHAIN PACKAGE

600 ft | Approximately 182 m

Package length sized to fit the proofer machine.

Octave Works
zeny.villamera@octaveworks.com
ORDERING: 778-928-0290

sales@octavesolution.com

SALES CATALOG

BAKERY EQUIPMENT PARTS

PTFE PRESS BELT

Teflon Belt | Tortilla Press Application

For use with Lawrence Equipment 52 Mega Press



PRESS BELT INSTALLED ON THE TORTILLA LINE

PTFE BELTS FOR MAJOR EQUIPMENT BRANDS

Octave Works supplies PTFE-coated woven fabric belts for tortilla press applications, including the Lawrence 52 Mega.



TORTILLA PRESS APPLICATION

NON-STICK SURFACE

Supports product release and cleaning.

MATCHED TO YOUR MACHINE

Available with attached metal pieces.

Confirm your belt configuration when ordering.

REQUEST A QUOTATION

Contact Octave Works.

Detailed specifications available on request.

UCT ENQUIRIES

Octave Works
zeny.villamera@octaveworks.com
sales@octavesolution.com

Octave Works
Mobile: 778-928-0290

SALES CATALOG | 01 / 02

EQUIPMENT APPLICATIONS

PTFE PRESS BELTS

PTFE BELTS FOR MAJOR EQUIPMENT BRANDS

Belt supply matched to your equipment and application.

- Lawrence Equipment
  - Mega 52
- Casa Herrera
- TecnoMaiz



BRANDS & MODELS

Lawrence Equipment

Mega 52

Casa Herrera

TecnoMaiz

REQUEST A BELT FOR YOUR LINE

Send your machine brand and model, belt dimensions, joint details and application photos to Octave Works for a quotation.

Belt specifications and fitment are confirmed for each application.

UCT ENQUIRIES

Octave Works
zeny.villamera@octaveworks.com
sales@octavesolution.com

Octave Works
Mobile: 778-928-0290

SALES CATALOG | 02 / 02

Octave Works

CUSTOM-BUILT MATERIAL HANDLING & PACKAGING EQUIPMENT

PALLET STRETCH WRAPPING MACHINE

FY-PWPM01 | Automatic turntable system | Customizable configuration



BUILT FOR

STABLE PALLET LOADS

Up to

2,000 kg

turntable capacity

Up to 40

pallets per hour*

*Supplier-rated throughput

WHY CHOOSE THIS SYSTEM

- **HMI + PLC CONTROL**
  Adjust wrapping cycles and operating settings.
- **250% PRE-STRETCH**
  Designed to reduce film consumption.
- **VARIABLE SPEED**
  Turntable range of 3-12 rpm.
- **CONFIGURABLE**
  Ramp, weighing, sizes and loads on request.

Ideal for food & beverage, bakery, warehousing, distribution and manufacturing.

LLDPE stretch film secures loads during handling, storage and shipment.

Octave Works

TECHNICAL SPECIFICATIONS | CONTROL INTERFACE | DIMENSIONS

MACHINE SPECIFICATIONS

Model	**FY-PWPM01**
Turntable diameter	**1,650 mm**
Rated maximum load	**2,000 kg**
Maximum wrap height	**2,000 mm**
Machine dimensions (L x W x H)	**2,650 x 1,650 x 2,480 mm**
Turntable height	**80 mm**
Power / supply	**1.5 kW / 220 V AC, 1-phase, 50/60 Hz**
Film compatibility	**LLDPE, 17-35 micron; 76.2 mm core**
Turntable speed / output	**3-12 rpm / 25-40 pallets per hour**

TOUCHSCREEN HMI



Supplier HMI/control reference image

Operator-friendly controls

Adjust turntable speed and wrapping cycles

Set top/bottom reinforcement and overlap

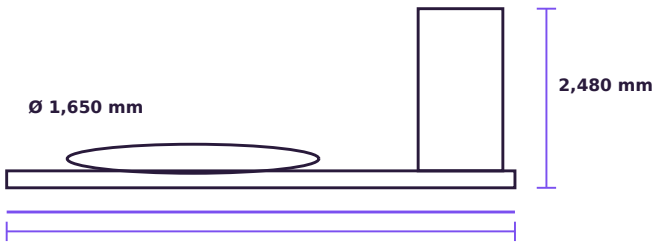
Manage film carriage movement

Photoelectric height detection

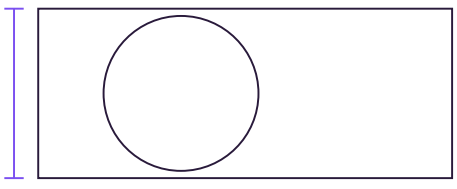
Emergency stop and fault monitoring

DIMENSIONED MACHINE LAYOUT

SIDE VIEW (schematic)



TOP VIEW (schematic)



Illustrations not to scale. Confirm final options, footprint and site clearances before order.

CONTINUOUS MONITORING SYSTEM

Environmental & Critical System CMS

Continuous monitoring, alarms, historical trends and audit-supporting records for critical factory conditions - available from any authorized PC, tablet or phone.

24/7
MONITORING

REAL-TIME
ALARMS

AUDIT
LOGS

CLOUD
ACCESS



Designed for Critical Factory Monitoring

A configurable CMS platform that turns sensor data into actionable alarms, traceable history and maintenance-ready reports.



Live dashboard: status, setpoints, trends, schedules and alarm suppression state

1. **Continuous Monitoring**
   Live temperature and humidity status with online / stale / offline communication health.
2. **Alarm Management**
   Immediate high/low alarms, repeat reminders, recovery notices, acknowledgement and schedule control.
3. **History & Audit Support**
   Events, alarm episodes, acknowledgements, recovery history and calendar-date CSV export.
4. **Maintenance Reporting**
   Per-logger alarm count, downtime minutes, availability, worst temperature and daily 24-hour email reports.
5. **Secure Remote Access**
   Cloud-hosted dashboard behind HTTPS and authentication; local application port remains private.
6. **Scalable Architecture**
   Reference system uses Temp/RH loggers and can be extended to additional approved sensors and critical utilities.

Why factories use a CMS

Protect critical conditions

See excursions early and notify the right people.

Build evidence

Create time-stamped data for deviation review, maintenance and audit support.

Find repeat problems

Use daily event count and downtime history to identify recurring equipment or process issues.

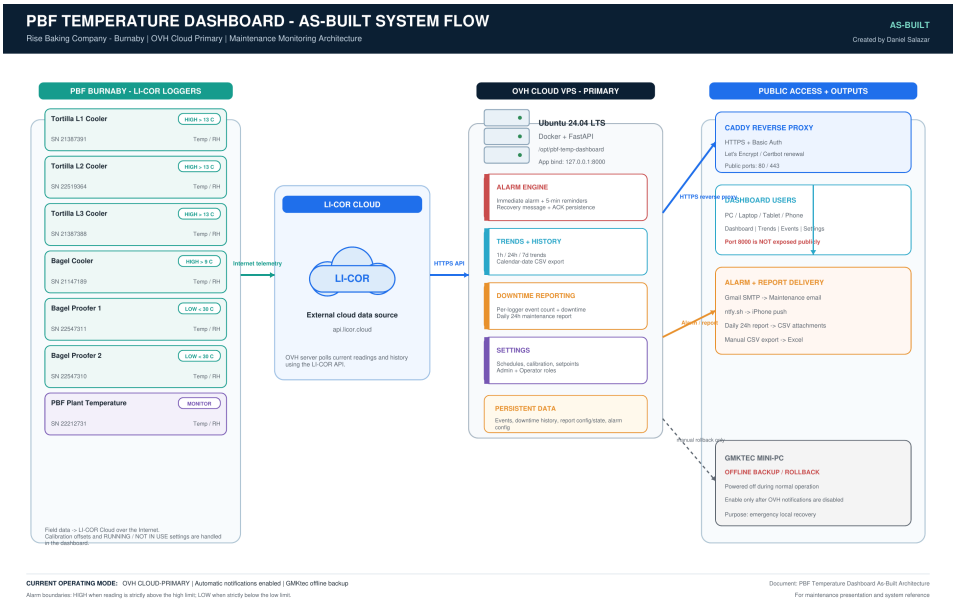
Reduce manual checks

Automate collection, trend history and recurring 24-hour reporting.

Typical applications: coolers | freezers | proofers | ambient rooms | process areas | warehouse conditions | other approved critical sensors

Reference As-Built Architecture

A proven cloud-primary layout: factory loggers -> LI-COR Cloud -> OVH application server -> secure dashboard, alarms and maintenance reports.



AUDIT-SUPPORTING TRACEABILITY

Time-stamped alarms, reminders, acknowledgements, recovery and historical CSV records.

MAINTENANCE DOWNTIME HISTORY

Daily alarm count and duration by logger help validate reliability and recurring issues.

CLIENT-READY DEPLOYMENT

Secure remote access, configurable schedules and reporting, with an offline rollback path.

Note: The CMS supports operational monitoring and audit evidence. Site-specific validation, regulatory qualification and alarm response procedures remain the client's responsibility.