

Case Study

FruitdOr

OpRize

Manufacturing Execution
System (MES)

A Global Cranberry Processor That Relies on Performance and Traceability to Stay Competitive Worldwide



Industry:
Cranberry Processing

Location:
Quebec, Canada

Company size:
201-500 team
members

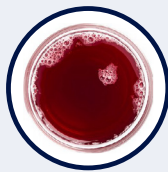
Solution:
OpRize –
Manufacturing
Execution System
(MES)

Partner:
Premier Tech Digital

About Fruit d'Or

Founded in 2000 in Quebec, Fruit d'Or is a family-owned business specializing in the processing of cranberries and wild blueberries. Recognized as a global leader and the category's leading supplier of organic offerings, Fruit d'Or serves, in more than 50 countries, the B2B ingredient, nutraceutical, and retail markets.

Built on an integrated model that spans from growing to final processing—and guided by a human, collaborative culture—Fruit d'Or offers quality small fruit solutions, driven by transparency, innovation, and long-term sustainable partnerships.



*Cranberry drying and
juice and concentrate
production*



*Individual-format
packaging of dried
cranberries*



*Drying and grinding of co-
products destined for the
nutraceutical sector*

In this context, every line stoppage and every uncontrolled loss translates directly into margin impact. Fruit d'Or operates in a highly competitive global market, subject to stringent customer requirements in terms of quality, traceability, and regulatory compliance.

Why Fruit d'Or Chose Premier Tech Digital and the OpRize MES?

Fruit d'Or selected Premier Tech Digital as its strategic partner for digital transformation based on several key differentiators.

First, PTD's recognized consulting expertise in manufacturing environments and its ability to develop, adapt, and support its own OpRize MES 24/7, rather than acting solely as an integrator.

Then, and above all, an advantage that few software publishers can claim: being a manufacturer themselves.

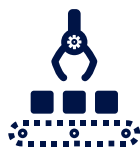
As a division of Premier Tech, a global industrial group, Premier Tech Digital develops its solutions with an intimate understanding of shop floor realities, an understanding that translates directly into value for its clients.

This credibility is not merely rhetorical: the OpRize MES is today deployed across multiple Premier Tech Group facilities worldwide, making each installation a living laboratory of continuous improvement and validation of manufacturing best practices.

An Ambitious Scope, Deployed Across Two Sites



2
production
sites



50
pieces of equipment
and workstations



24/7
operations



MES

**Bidirectional
integration
with the ERP**



MES

**Bidirectional
communication
with equipment**



Complete **batch
traceability**
system

Timeline: 12 months

The Operational and Technological Challenges That Made Digital Transformation Unavoidable

An Operational Reality Marked by Volatility, Complexity, and Constant Margin Pressure.

Fruit d'Or faced a combination of structural challenges: high harvest volatility tied to weather conditions, variability in raw material quality from season to season, constant margin pressure in an export-oriented market, and growing customer requirements around traceability and compliance.

Added to this was significant operational complexity: massive volumes processed continuously, multi-step processes across two sites, seasonal workforce, and 24/7 operations.

IT Systems That Could No Longer Deliver

On the technology side, the company relied on an aging MES that also incorporated ERP functions, whose obsolescence made any evolution difficult.

Yield data was compiled manually in Excel files, with no coherent integration between the sorting, processing, and packaging stages.

Visibility into actual yield per batch was only available after the fact, making decisions reactive rather than proactive. A critical ERP upgrade made the technological status quo unviable.

Transformation at a Glance	Before OpRize MES	After OpRize MES
Production tracking	Multiple sources, non-integrated	Real-time, centralized in OpRize
Loss visibility	Fragmented, available after the fact	Granular, by equipment and by stage
Yield data	Multiple sources, non-integrated	Unified, reliable, and actionable
Responsiveness to disruptions	Slow, based on tacit expertise	Fast, tool-supported, and documented

From a Fragmented Architecture to an Integrated Platform:

The Strategic Shift That Redefines How Fruit d'Or Manages Its Production

This project represents far more than a technology replacement. It is a strategic shift at multiple levels:

**From partial
visibility**



**To precise
understanding**

Moving from fragmented knowledge of losses to a rigorous measurement of what happens at every step of the process

**From
heterogeneous
architecture**



**To unified
source**

Moving from a non-standardized data architecture to a single, reliable, and accessible source of truth

**From reactive
logic**



**To proactive
capability**

Moving from after-the-fact decisions to real-time intervention capability, and eventually predictive capacity

**From rigid
system**



**To evolving
platform**

Architecture designed to accommodate new features and new sites without major overhaul.

Four Strategic Objectives to Guide the Transformation

- 1 Simplify and digitize execution:** Replace paper and Excel tracking, standardize practices, and reduce dependence on tacit knowledge;
- 2 Improve visibility and traceability:** Obtain a consolidated real-time view, measure yield at every stage, and create a reliable data foundation for future AI projects;
- 3 Improve efficiency and productivity:** Maximize material yield, reduce losses, and optimize equipment utilization;
- 4 Reduce variability and stoppages:** Rapidly identify bottlenecks and reduce the impact of raw material variation.

The OpRize MES:

A Manufacturing Execution System Designed to Connect the Shop Floor, Measure Performance, and Build the Foundations of Manufacturing Intelligence

OpRize is a manufacturing execution system that connects the shop floor to enterprise management systems in real time, ensuring operational traceability, continuously measuring production line performance, and actively supporting continuous improvement initiatives.

Deployed in SaaS mode, OpRize eliminates the constraints associated with managing a local technology infrastructure. Fruit d'Or permanently benefits from the latest solution updates, maximum availability, and 24/7 support, allowing it to focus its resources on what truly matters: the performance of its production.

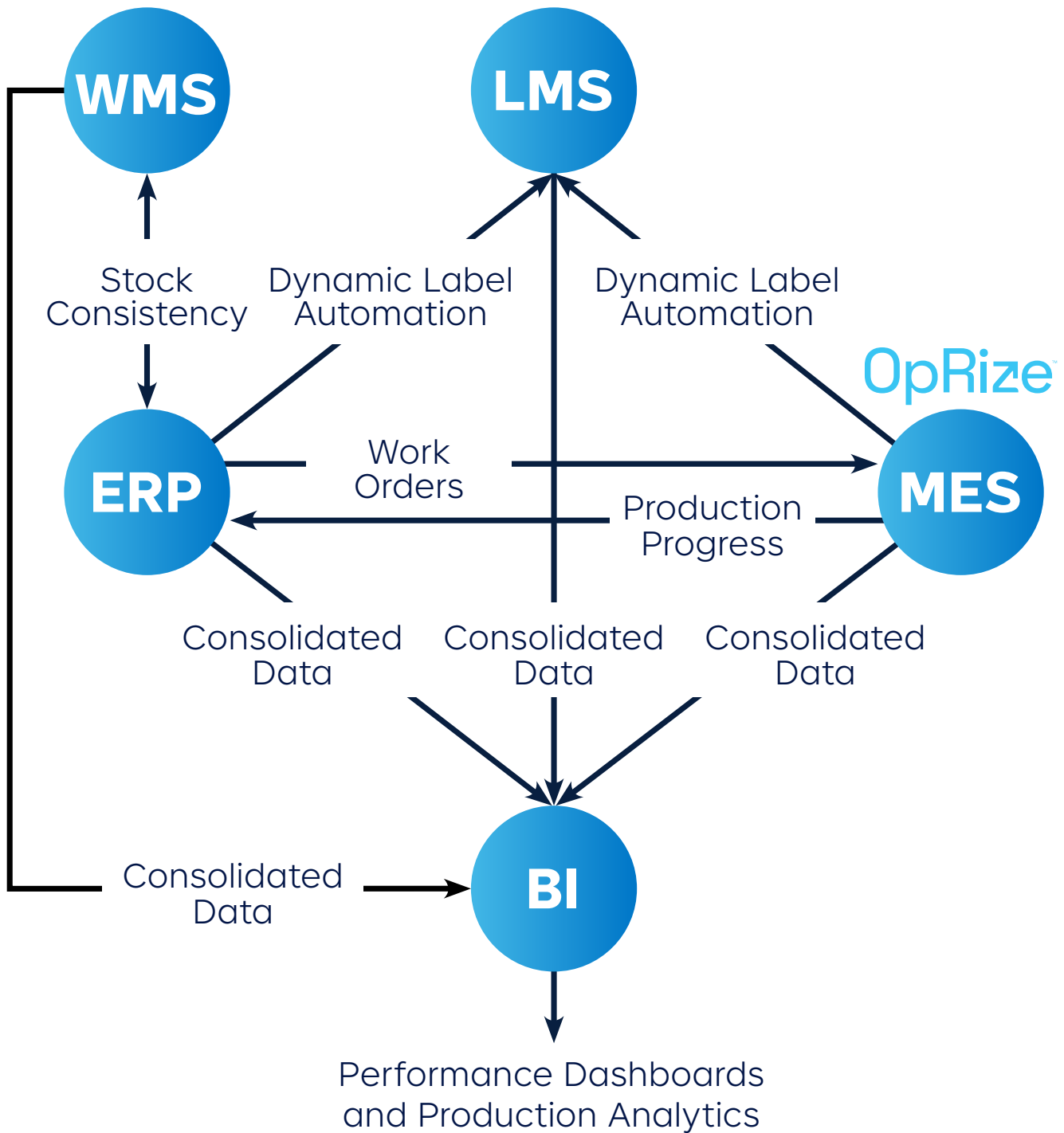
System	Role	Integration
ERP Enterprise Resource Planning	Administrative source of truth and planning	Bidirectional synchronization with OpRize
OpRize MES Manufacturing Execution System	Shop floor execution management and machine connectivity	Bridge between the ERP and the shop floor
WMS Warehouse Management System	Inventory movement management	Interface with the ERP for stock consistency
LMS Label Management System	Dynamic label automation	Orchestration via OpRize and ERP
BI Business Intelligence	Analytical consolidation and visualization	Fed by all systems

How PTD Successfully Transformed Two Sites Simultaneously Without Ever Compromising Operational Continuity

A Simultaneous Two-Site Deployment Made Necessary by Context. The OpRize MES deployment was carried out simultaneously across both production sites, a technically unavoidable choice.

The interweaving of MES and ERP functions in the legacy system made any partial migration impossible without compromising operational integrity. A phased approach would have created a coexistence of two incompatible architectures, with unacceptable operational risks.

Fruit d'Or Ecosystem Scheme





Five Key Features That Concretely Transform Fruit d'Or's Operations

1. Connectivity and Automation

2. Production Management

3. OEE Performance Tracking

4. Product Specification Management

5. Optimized User Experience

1. Connectivity and Automation

Native ERP interface and bidirectional real-time communication with equipment, eliminating manual data entry.

Interfaces > Interfaces > Incoming							
Retrigger		Set To Success		From: 7/16/2026 12:00:00 AM	To: 7/24/2026 12:00:00 AM	Time Presets: Custom	Interface Type:
						Status:	Search
Message Id	Interface Type	Entry On	Processing On	Processed On	Status	Feedback Message	
		month/day/year	month/day/year	month/day/year	(All)		
551354	inventory	23 jul. 2026, 11:03:30		23 jul. 2026, 11:03:31	Successful		
551353	inventory	23 jul. 2026, 10:59:26		23 jul. 2026, 10:59:26	Successful		
551352	inventory	23 jul. 2026, 10:55:33		23 jul. 2026, 10:55:33	Successful		
551351	inventory	23 jul. 2026, 10:55:31		23 jul. 2026, 10:55:31	Successful		
551350	inventory	23 jul. 2026, 10:55:29		23 jul. 2026, 10:55:29	Successful		
551349	inventory	23 jul. 2026, 10:55:27		23 jul. 2026, 10:55:27	Successful		
551348	inventory	23 jul. 2026, 10:51:23		23 jul. 2026, 10:51:23	Successful		
551347	inventory	23 jul. 2026, 10:51:21		23 jul. 2026, 10:51:21	Successful		
551346	inventory	23 jul. 2026, 10:51:18		23 jul. 2026, 10:51:19	Successful		
551345	inventory	23 jul. 2026, 10:49:33		23 jul. 2026, 10:49:33	Successful		
551344	inventory	23 jul. 2026, 10:49:31		23 jul. 2026, 10:49:31	Successful		

Interfaces > Interfaces > Incoming							
Retrigger		Set To Success		From: 7/16/2026 12:00:00 AM	To: 7/24/2026 12:00:00 AM	Time Presets: Custom	Interface Type:
						Status:	Search
Message Id	Interface Type	Entry On	Processing On	Processed On	Status	Feedback Message	
		month/day/year	month/day/year	month/day/year	(All)		
551331	material-master-v1	23 jul. 2026, 10:27:16	23 jul. 2026, 10:27:17	23 jul. 2026, 10:27:20	Successful		
551309	material-master-v1	23 jul. 2026, 10:22:53	23 jul. 2026, 10:22:53	23 jul. 2026, 10:22:56	Successful		
551305	order-v2	23 jul. 2026, 10:15:08	23 jul. 2026, 10:15:09	23 jul. 2026, 10:15:10	Successful		
551240	order-v2	23 jul. 2026, 09:24:57	23 jul. 2026, 09:24:57	23 jul. 2026, 09:25:00	Successful		
551233	order-v2	23 jul. 2026, 09:15:15	23 jul. 2026, 09:15:15	23 jul. 2026, 09:15:15	Failed	Order => Name => Order is locked by MES	
551231	material-master-v1	23 jul. 2026, 09:11:19	23 jul. 2026, 09:11:19	23 jul. 2026, 09:11:21	Successful		
551229	material-master-v1	23 jul. 2026, 09:08:43	23 jul. 2026, 09:08:43	23 jul. 2026, 09:08:44	Successful		
551228	material-master-v1	23 jul. 2026, 09:08:30	23 jul. 2026, 09:08:30	23 jul. 2026, 09:08:32	Successful		
551227	material-master-v1	23 jul. 2026, 09:06:00	23 jul. 2026, 09:06:00	23 jul. 2026, 09:06:03	Successful		
551201	material-master-v1	23 jul. 2026, 08:45:23	23 jul. 2026, 08:45:23	23 jul. 2026, 08:45:25	Successful		
551170	order-v2	23 jul. 2026, 08:15:08	23 jul. 2026, 08:15:09	23 jul. 2026, 08:15:09	Failed	Order => Name => Order is locked by MES	

Interfaces > Interfaces > Outgoing							
Retrigger		Set To Success		From: 7/16/2026 12:00:00 AM	To: 7/24/2026 12:00:00 AM	Time Presets: Custom	Interface Type:
						Status: Successful	Search
Message Id	Interface Type	Entry On	Processing On	Acknowledged	Acknowledged On	Successful	Feedback Message
		month/day/year	month/day/year	(All)	month/day/year		
551478	OrderConsumption	23 jul. 2026, 11:04:44		Acknowledged	23 jul. 2026, 11:05:05	Unknown	
551477	barlender-integration-builder-print	23 jul. 2026, 11:03:11	23 jul. 2026, 11:03:11	Acknowledged	23 jul. 2026, 11:03:11	Successful	OK
551476	OrderConsumption	23 jul. 2026, 11:02:01		Acknowledged	23 jul. 2026, 11:02:04	Unknown	
551475	OrderConsumption	23 jul. 2026, 11:01:41		Acknowledged	23 jul. 2026, 11:02:04	Unknown	
551474	OrderConsumption	23 jul. 2026, 11:01:18		Acknowledged	23 jul. 2026, 11:02:04	Unknown	
551473	OrderProduction	23 jul. 2026, 11:01:17		Acknowledged	23 jul. 2026, 11:02:04	Unknown	
551472	OrderConsumption	23 jul. 2026, 11:01:16		Acknowledged	23 jul. 2026, 11:02:04	Unknown	
551471	OrderProduction	23 jul. 2026, 11:01:15		Acknowledged	23 jul. 2026, 11:02:04	Unknown	
551470	OrderConsumption	23 jul. 2026, 11:01:11		Acknowledged	23 jul. 2026, 11:02:04	Unknown	
551469	OrderProduction	23 jul. 2026, 11:01:11		Acknowledged	23 jul. 2026, 11:02:04	Unknown	
551468	OrderConsumption	23 jul. 2026, 11:01:10		Acknowledged	23 jul. 2026, 11:02:04	Unknown	
551467	OrderProduction	23 jul. 2026, 11:01:09		Acknowledged	23 jul. 2026, 11:02:04	Unknown	

2. Production Management

Native ERP interface and bidirectional real-time communication with equipment, eliminating manual data entry.

Line 1 Packaging Case

Operation: 037572-10 (Completed)

Line 1 Packaging Case Product: 10A11000-25-BER (Number: 5670) Period: 2026-07-18 05:38:32 → 2026-07-19 18:29:30 Expected weight: 141750 - Expected number: 5670

Weight: 141750.0000 LB

Status: Completed

Name	Product	End Time	Weight	Nb. Unit	Actions	Status
1100375720227	10A11000-25-BER	2026-07-19 18:29:30	1575 LB	63 CS	Completion Delete	Completed
1100375720225	10A11000-25-BER	2026-07-19 18:15:00	825 LB	33 CS	Completion Delete	Completed
1100375720224	10A11000-25-BER	2026-07-19 18:00:00	125 LB	5 CS	Completion Delete	Completed
1100375720222	10A11000-25-BER	2026-07-19 17:45:00	1750 LB	70 CS	Completion Delete	Completed
1100375720221	10A11000-25-BER	2026-07-19 17:30:00	1350 LB	54 CS	Completion Delete	Completed

Palletizer Robot 1 Pallet 1

Operation: 037573-20 (In progress)

Palletizer Robot 1 Pallet 1 Product: 10A11900-25 Product Description: Dried cranberries (sweetened), low moisture Period: 2026-07-22 10:04:54 → Expected weight: 47250 - Expected number: 1890

Weight: 42775.0000 LB

Number of cases: 1711 CS

Number of boxes per pallet: 90

Name	Product	End Time	Weight	Nb. Unit	Actions	Status
1100357730106	10A11900-25	2026-07-23 10:42:24	2250 LB	90 CS	Print Contents Print	Inventory
1100357730044	10A11900-25	2026-07-22 19:25:27	2250 LB	90 CS	Print Contents Print	Inventory
1100357730042	10A11900-25	2026-07-22 19:08:32	2250 LB	90 CS	Print Contents Print	Inventory
1100357730040	10A11900-25	2026-07-22 18:48:19	2250 LB	90 CS	Print Contents Print	Inventory
1100357730037	10A11900-25	2026-07-22 18:30:57	2250 LB	90 CS	Print Contents Print	Inventory

Line 1 Dryer

Operation: 037627-30 (Completed)

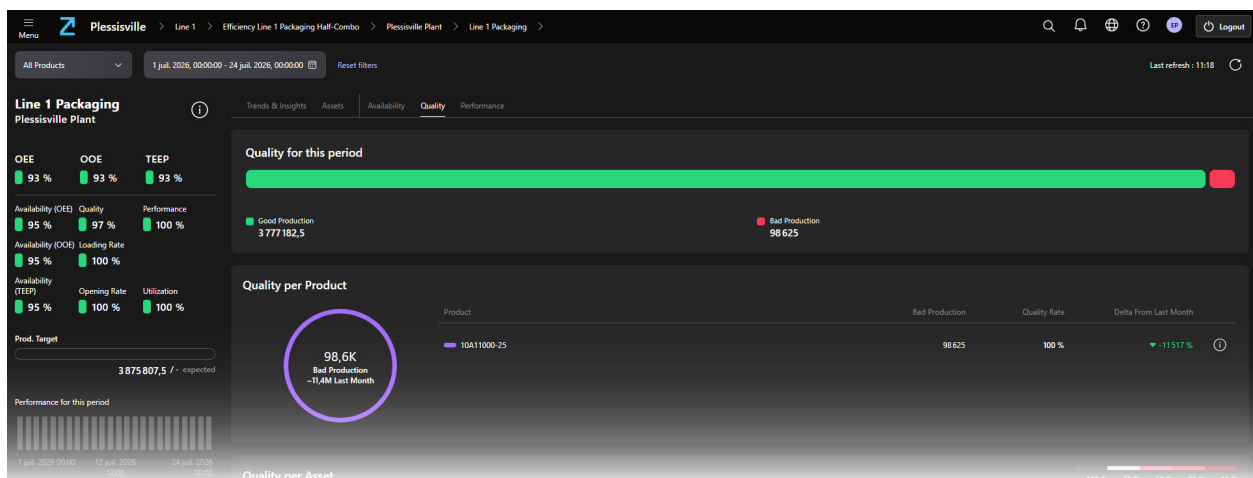
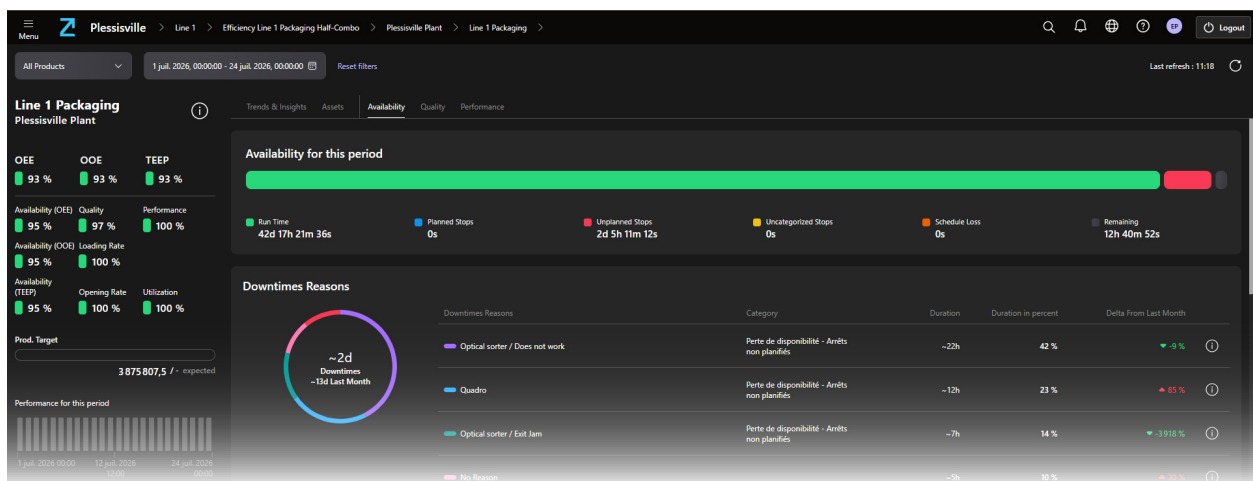
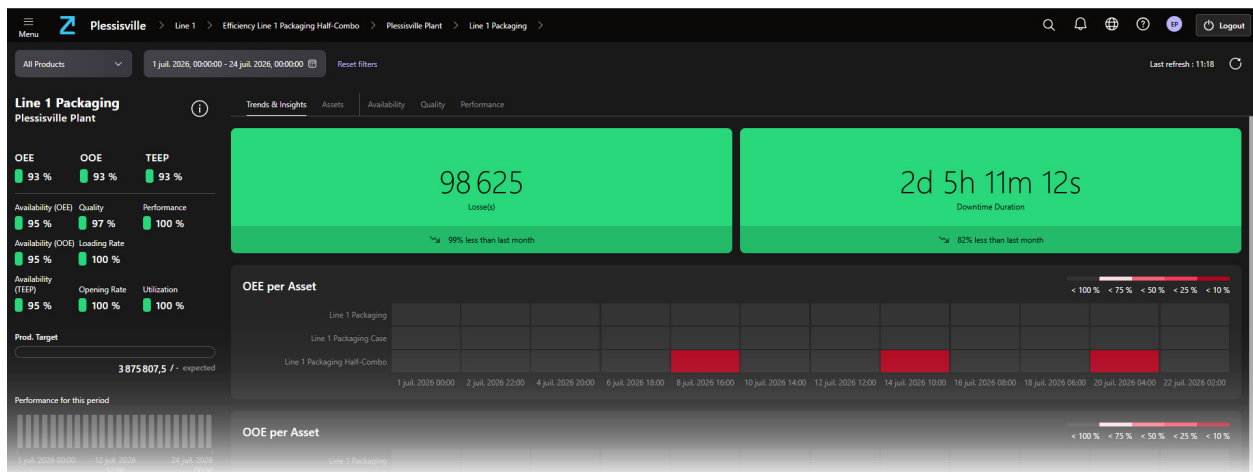
Line 1 Dryer Product: 10A11000 Product Description: Dried cranberries (sweetened) "Original" Period: 2026-07-15 12:00:32 → 2026-07-16 11:57:06 Expected weight: 153179

Weight: 27525.0000 LB

Name	Product	End Time	Weight	Actions	Status
1100376270275	10A11000-VR	2026-07-16 11:46:11	641 LB	Print Completion Delete	Consumed
1100376270274	10A11000-VR	2026-07-16 11:40:48	552 LB	Print Completion Delete	Consumed
1100376270269	10A11000-VR	2026-07-16 10:31:37	622 LB	Print Completion Delete	Consumed
1100376270266	10V11993-VR-GLO	2026-07-16 10:06:37	653 LB	Print Completion Delete	Inventory
1100376270264	10V99999-BA	2026-07-16 09:53:39	250 LB	Print Completion Delete	Inventory

3. OEE Performance Tracking

Real-time measurement of Overall Equipment Effectiveness (OEE) per piece of equipment, with structured capture of stoppages, slowdowns, and rejects.



4. Production Specification Management

Centralization of specifications and dynamic label configuration for compliance at every stage.



5. Optimized User Experience

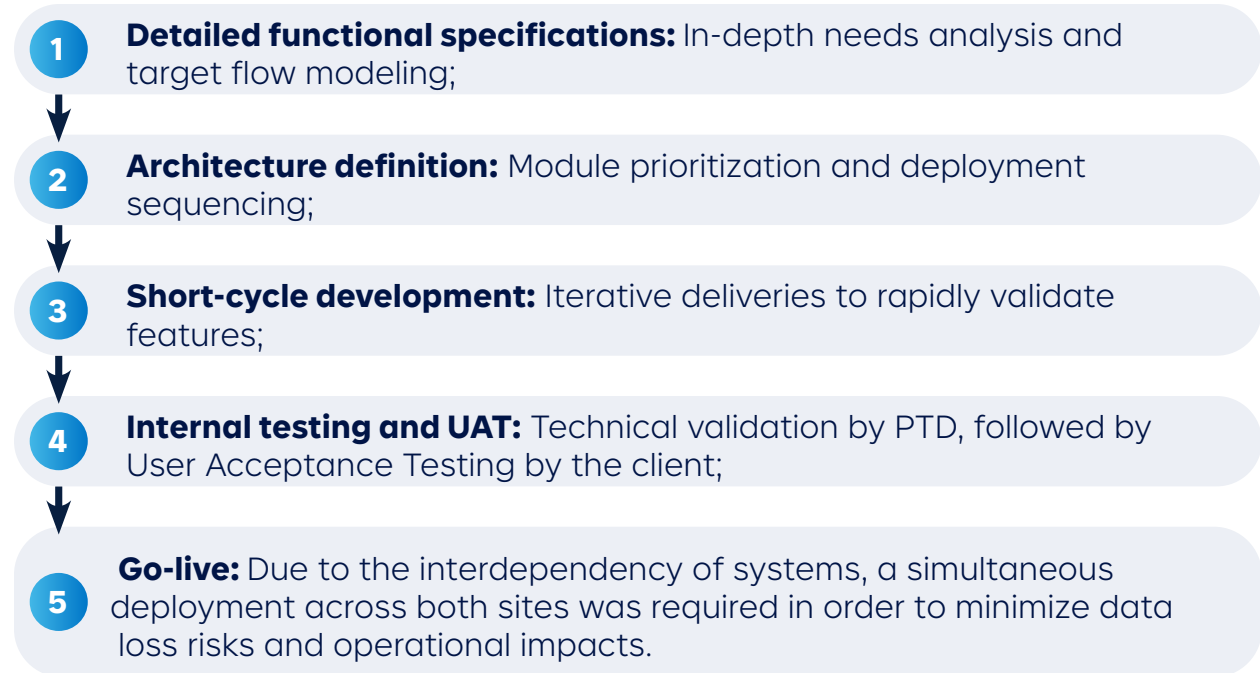
Intuitive interface on PCs and tablets, designed to facilitate adoption and reduce training time.

En marche
Statut de l'équipement

Items per page: 25 | 1 - 9 of 9 items

Unité	Période	Durée	Statut	Raison 1	Raison 2	Raison 3	Raison 4
Line 1 Rupture	23 juil. 2026 10:10:17 → 23 juil. 2026 10:10:58	41s	Complete	Starved	Fruit entrance conver...		
Line 1 Rupture	23 juil. 2026 09:44:27 → 23 juil. 2026 09:44:35	8s	In progress	Select a reason			
Line 1 Rupture	23 juil. 2026 09:23:17 → 23 juil. 2026 09:28:26	15m 9s	Complete	Scarifier	Scarifier 1 problem		
Line 1 Rupture	23 juil. 2026 09:22:22 → 23 juil. 2026 09:22:30	8s	Complete	Scarifier	Scarifier 1 problem		
Line 1 Rupture	23 juil. 2026 09:20:42 → 23 juil. 2026 09:21:29	47s	Complete	Scarifier	Scarifier 1 problem		
Line 1 Rupture	23 juil. 2026 09:15:46 → 23 juil. 2026 09:15:58	12s	Complete	Snap processing	Valve 111 problem		
Line 1 Rupture	23 juil. 2026 09:07:23 → 23 juil. 2026 09:07:30	6s	Complete	Snap processing	Valve 111 problem		

A Hybrid Methodology That Combines Structure and Agility



Concrete Results That Confirm the Value of the Transformation

The project achieved its fundamental objective: replacing an obsolete architecture without compromising the continuity of the most critical operations. Beyond this critical challenge, the OpRize MES deployment generates concrete and measurable benefits:

Real-time visibility across all 50 pieces of equipment and workstations at both sites;

Complete batch traceability, from raw material to finished product, meeting compliance requirements and rapid recall obligations;

Elimination of manual data entry and Excel files in production tracking;

OEE measurement per piece of equipment, enabling identification of loss sources and prioritization of corrective actions;

Scalable digital foundation: architecture ready to accommodate future advanced analytics and artificial intelligence projects.

Unlocking Long-Term Value with OpRize MES

Beyond the benefits already observed, the adoption of the OpRize MES opens the door to even greater additional value. The stabilization of production data enables a progressive refinement of management precision and supports more in-depth performance analyses.

The elimination of remaining manual interventions consolidates system reliability and frees up valuable time for teams, time that can be reinvested in continuous improvement and growth. **At Fruit d'Or, the best of the OpRize MES is yet to come.**

Premier Tech Digital: Far More Than a Software Vendor

A Transformation Partner That Builds Tomorrow's Manufacturing Performance Foundations Alongside You

Structured Support at Every Stage of the Project. Throughout the project, the PTD team played the role of an integrated consulting partner, well beyond simple technology implementation:

- 1 Needs analysis and scoping:** In-depth understanding of the operational context, process mapping, and definition of a roadmap aligned with business objectives;
- 2 Process standardization and alignment:** Support in reviewing and standardizing operational processes, an essential prerequisite for effective and lasting digitization;
- 3 Configuration, implementation, and validation:** OpRize MES configuration and system integrations, rigorous test management, and validation under real conditions;
- 4 Ongoing support:** Team member training, change management, and continuous improvement of configurations based on field feedback.

Building Today the Foundation for Tomorrow's Manufacturing Performance

Beyond technology modernization, this project equips Fruit d'Or with a scalable, structured, and better-integrated digital foundation.

This foundation is essential to support its future ambitions in advanced analytics and artificial intelligence, while reinforcing its ability to sustainably improve its performance in a manufacturing environment marked by raw material variability, harvest seasonality, and constant margin pressure.

Testimony



"What set Premier Tech Digital apart wasn't just the technology—it was their deep understanding of what it really means to operate in a manufacturing environment. They spoke our language from day one, and it made all the difference. With the MES OpRize, we now have the foundation we need to grow with confidence."

Philippe Bélanger

Project Manager, Operational Digital Strategy - Fruit d'Or

Ready to Transform Your Production with the OpRize MES?

Your manufacturing environment deserves better than Excel files and fragmented data. If Fruit d'Or's experience resonates with you, if you recognize your own challenges in theirs, it's time to take the next step.

Premier Tech Digital supports manufacturers in their digital transformation, from needs analysis through to continuous improvement. With the OpRize MES, you have a solution developed, integrated, and supported 24/7 by experts who understand the reality of the shop floor, **because we are manufacturers ourselves.**

**Premier Tech Digital
Smart Manufacturing**
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PT Digital
Smart Manufacturing