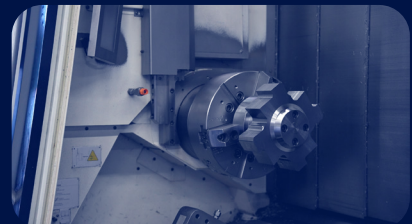
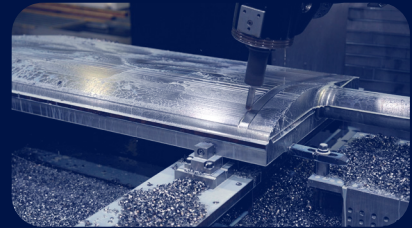


Case Study

Increasing Operational Predictability and Productivity

SyncRun at the Heart of Planning and Scheduling at Groupe OSI



Industry:
Machinery
Manufacturing &
Fabricated Metal
Product Manufacturing

Location:
St-Georges de
Beauce, Quebec,
Canada

Company size:
85 team members

Solution:
SyncRun — Advanced
Planning and
Scheduling (APS)

Partner:
Premier Tech Digital

About Groupe OSI

Groupe OSI is a Quebec-based manufacturing company founded in 1987, specialized in machining, welding, and assembly, with a strong focus on complex components requiring high precision.

Serving key industry segments including Energy, Equipment, Forestry, Mining, and Hydraulics, the company operates out of St-Georges de Beauce with a dedicated team of 85 colleagues.

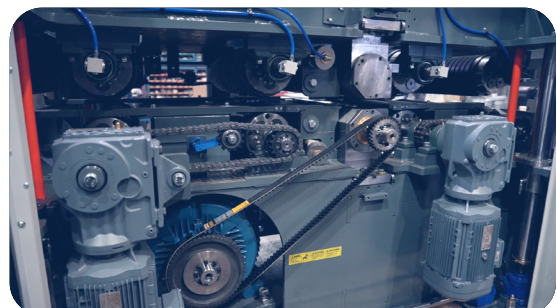
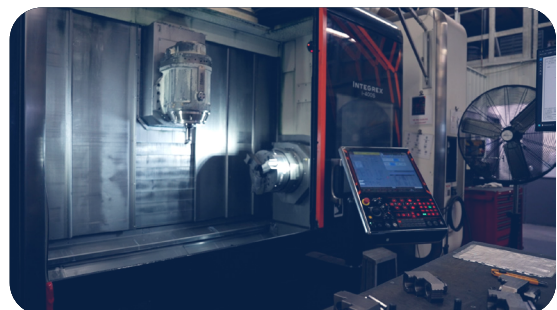
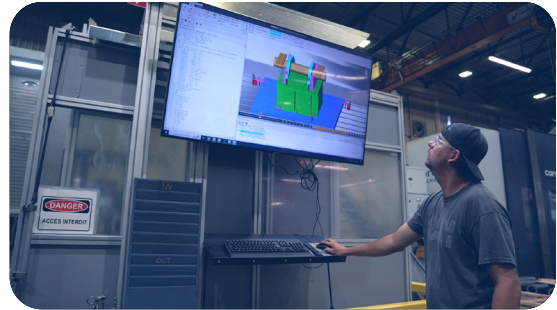
Committed to innovation, Groupe OSI has embraced the smart digital factory positioning itself as a leader in intelligent and connected manufacturing.

The Challenge

Before adopting SyncRun, Groupe OSI relied on manual, spreadsheet-based tools to manage their production planning and scheduling.

These methods offered poor visibility into the production timeline, required significant manual effort to maintain, and failed to adequately account for the real constraints of the shop floor. As a result, planners struggled to make reliable decisions, on-time delivery performance suffered, and the team spent more time firefighting than optimizing.

With a growing order book and increasing production complexity, it became clear that a more intelligent and scalable planning solution was needed.



Why Premier Tech Digital?

Choosing the right technology partner was as important as choosing the right solution. Groupe OSI selected Premier Tech Digital for four key reasons.

- 1** First, Premier Tech Digital's reputation and manufacturing expertise stood out from the competition. As a division of Premier Tech, a globally recognized industrial group, Premier Tech Digital brings deep domain knowledge of real-world manufacturing environments, making them a trusted and credible partner for companies like Groupe OSI that operate in complex, high-precision production settings.
- 2** Second, SyncRun's seamless integration capabilities with existing ERP systems were a decisive factor. Groupe OSI required a solution that could connect natively and reliably with their existing digital infrastructure without disrupting ongoing operations. SyncRun's proven ability to integrate with ERP platforms and exchange data automatically across systems made it the clear choice.
- 3** Third, Premier Tech Digital's commitment to customer support and ongoing accompaniment provided Groupe OSI with the confidence that they would not be left alone after go-live. The team's hands-on implementation approach and continuous support model ensured a smooth transition and long-term success.
- 4** Finally, SyncRun's 30+ years of algorithm maturity was a compelling differentiator. Unlike newer entrants to the APS market, SyncRun's optimization engine has been continuously refined over three decades of real manufacturing deployments — delivering a level of reliability, depth, and performance that newer solutions simply cannot match.



The Solution

Groupe OSI partnered with Premier Tech Digital to implement SyncRun, a cloud-based Advanced Planning and Scheduling (APS) solution powered by a sophisticated multi-constraint optimization engine. SyncRun enabled the team to move away from reactive, manual planning toward a data-driven, dynamic scheduling approach, one that continuously accounts for machine availability, workforce skills, material supply, subcontracting dependencies, and real-time shop floor events.

The platform's scenario simulation capabilities also allowed planners to model and evaluate multiple production scenarios before making any commitments, bringing a new level of confidence and control to the planning process.

With SyncRun, Groupe OSI leverages a powerful advanced multi-constraint scheduling engine to maximize resource efficiency, covering raw material supply, operator allocation, skill management, and subcontracting synchronization. When unexpected disruptions arise on the shop floor, SyncRun enables dynamic rescheduling in real time, whether it is an equipment breakdown, a material delay, or a last-minute customer order change, all with minimal impact on ongoing operations.

Furthermore, through proactive delivery management, Groupe OSI's teams can effortlessly track rush orders, visualize complex routings and dependencies, and quickly identify constraints that could jeopardize on-time delivery, empowering them to solve problems before they escalate.

The Integration

At Groupe OSI, digital solutions are deeply and seamlessly integrated. Automated data flows ensure that relevant information transits continuously between platforms, eliminating manual data entry and ensuring that every system operates with accurate, up-to-date information. SyncRun sits at the center of a fully connected digital ecosystem built around four core platforms:

- **Enterprise Resource Planning (ERP)**
- **Advanced Planning & Scheduling (APS)**
- **Manufacturing Execution System (MES)**
- **Business Intelligence (BI)**

This fully integrated digital architecture ensures that SyncRun always operates with a complete and accurate picture of the business, from customer demand all the way to shop floor execution, enabling truly intelligent and responsive production planning.

SyncRun Ecosystem

Introduction — The SyncRun ecosystem operates as a closed-loop architecture, from planning to execution to analysis and back to replanning, ensuring that every decision on the shop floor is informed by real-time data, and every plan reflects actual production realities.

ERP (Enterprise Resource Planning)

— The backbone of the architecture, feeding SyncRun with the critical operational data it needs to generate accurate and optimized schedules. Key data exchanged includes:

- Production orders and work orders
- Bill of materials (BOM) and routings
- Raw material inventory levels and purchase orders
- Customer orders and delivery commitments
- Workforce and resource availability
- Setup times and cycle times
- Subcontracting orders and lead times

APS (SyncRun) — Consumes ERP data to generate optimized, constraint-aware production schedules and pushes updated planning information back to the ERP in real time.

SyncRun also pushes optimized schedules and sequencing directly to the MES, ensuring that shop floor execution is always aligned with the latest validated production plan.

MES (Manufacturing Execution System)

— Captures real-time shop floor data and feeds actual production progress back to the ERP and SyncRun, enabling dynamic rescheduling based on what is actually happening on the floor.

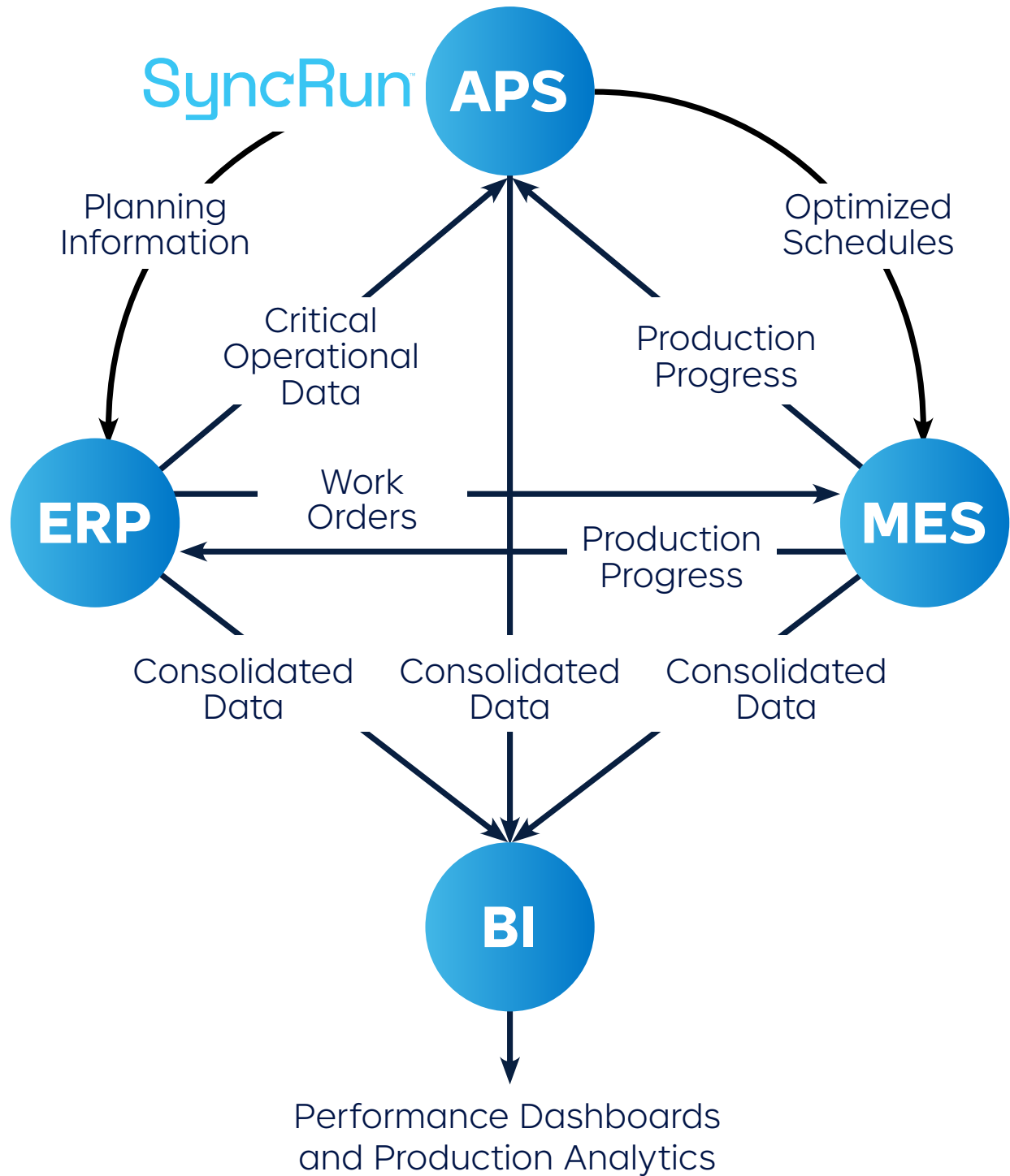
The MES also receives production orders, BOMs, and routings from the ERP to guide shop floor execution. Beyond progress tracking, the MES manages key operational functions including:

- Operator, machine, and tooling resource management
- Quality tracking: non-conformances, scrap, and rework
- Lot and component traceability
- Real-time alerts and escalations when deviations from the plan are detected

BI (Business Intelligence) — Receives consolidated data from the ERP, APS, and MES to provide management with actionable performance dashboards and production analytics.

Key performance indicators monitored include Overall Equipment Effectiveness (OEE), on-time delivery rates, production cycle times, and schedule adherence. Insights generated by the BI layer inform strategic and operational decisions, feeding back into the ERP and APS to continuously improve planning accuracy and shop floor performance.

SyncRun Ecosystem Scheme



The Results

Key Metric	Result
Simultaneous jobs in production	From 400 to 1,000+
On-time delivery rate improvement	+40%
Delivery date visibility	Confirmed months in advance
Production volume growth	Doubled in 4 years
Workforce headcount	Remained constant despite growth

Groupe OSI scaled from 400 to over 1,000 simultaneous jobs in production, while achieving a +40% improvement in on-time delivery. Delivery dates can now be confirmed months in advance, giving customers unprecedented reliability and confidence. Most remarkably, the company doubled its production volume over 4 years while keeping its workforce headcount constant, a testament to the power of intelligent planning and scheduling in driving operational efficiency without added cost. After implementing SyncRun, the results were transformational.

Testimony

*“Thanks to SyncRun, we increased production by **50%** with the same resource levels! On-time deliveries went **from 55% to over 95%.**”*



Hugues Beaudry
General Manager
Groupe OSI

Why SyncRun?

For Groupe OSI, SyncRun was not just a software upgrade, it was a strategic transformation. By replacing error-prone manual processes with an intelligent, constraint-aware scheduling engine, the company unlocked a level of operational predictability and scalability that would have been impossible to achieve otherwise. Today, SyncRun sits at the heart of Groupe OSI's production operations, enabling the team to plan smarter, deliver faster, and grow confidently.

About Us

The expertise of Premier Tech Digital is based on 30 years of experience in implementing manufacturing execution systems internationally. We are manufacturers who accelerate the digitalization of manufacturers with human-centered technologies delivered as a service.

Premier Tech Digital is one of the business groups of Premier Tech, a company that has been around for over 100 years.

Contact Us

Interested in achieving similar results? Contact Premier Tech Digital to learn how SyncRun can transform your manufacturing operations.

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**For manufacturers
By a manufacturer**



PT Digital
Smart Manufacturing