



FP CORPORATION

**Digital Supply Chain Helps FPCO
Reduce Emissions and Waste, Meet
Sustainability Goals**



Reduced carbon emissions by

160K MT*

Reduced landfill waste by

443K MT*

Improvement in carbon emission
reductions vs previous year

19%

CHALLENGES

- Provide stable and responsive food distribution in an efficient, environmentally friendly way
- Minimize CO₂ emissions
- Increase use of self-recycled products as an economically sustainable activity

SOLUTION

- aspenONE® Supply Chain Management

VALUE CREATED

- Reduced carbon emissions by 160,000MT* for FY2019
- Reduced landfill waste by 443,000MT* for FY2019
- 19% improvement in carbon emission reductions over FY2018

*Source: 2020 FPCO Annual Report; all figures are for FY2019; MT equals Metric Tons

FP Corporation (FPCO) is Japan's largest manufacturer of food containers and a logistics service provider delivering a range of products to stores engaged in food distribution (such as supermarkets). It is also an environmentally advanced company that recycles used food containers and PET bottles.

The company sells more than a billion containers per month. With 19 production plants, 20 distribution centers, and three recycling plants throughout Japan, FPCO had a unique problem to solve.

Reconciling a Complex Food Distribution Process with Sustainability

FPCO has always maintained a strong focus on customer service and convenience and understands the importance of maintaining high quality food distribution. However, FPCO also realized the process it used to select a plant to manufacture its products to optimize transportation and inventory costs was extremely complicated. FPCO's supply chain management system handles highly accurate planned production and manufacturing of some 10,000 products and ensures that products are shipped in a timely fashion. It had become clear to company management that current forecasting, planning, scheduling, and distribution processes were at odds with FPCO's initiative to create a "sustainable, recycling oriented society."

For FPCO to achieve this goal, selling recycled products needed to be an economically sustainable activity, with a method that addressed the processes' complexity and inherent waste. FPCO chose aspenONE Supply Chain Management (SCM) to help provide stable and responsive food distribution in an efficient, sustainable, environmentally friendly way. AspenTech® worked with long-term partner Time Commerce to ensure smooth implementation of supply chain solutions and maintain ongoing support to FPCO.

aspenONE Supply Chain Management enables FPCO to fully maximize margins while balancing supply and demand. It provides quick and easy access to the latest supply capability of all plants in the network along with associated costs, allowing them to develop the most optimal plan.



“AspenTech’s solution was the only one that could manage our complex supply chain requirements.”

-Morimasa Sato, President, FPCO



FPCO Advances Sustainability in Recycling Efforts...

The close concert of distribution and production planning provided FPCO the economic viability needed for an effective recycling initiative. The effort has, to date, resulted in 443,000MT* less waste sent to a landfill, equivalent to 4.06M* drums of oil. FPCO's results were so impressive that they have been recognized at the local and national level, and the company has received numerous awards and certifications including 3R's Eco Mark and recognition as an Eco First company.

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...and Resilience Through Proactive Supply Chain Risk Management

FPCO creates production and distribution plans based on massive amounts of data including sales forecasts, historical data, and on-site production and staffing metrics. These plans ensure supply in response to uncertainty. Supply chain resiliency had been limited by timely access to supply chain data. Using aspenONE Supply Chain Management enables FPCO to proactively manage its supply chain risk—by giving the company the ability to respond to urgent orders, unforeseen increases in demand, and critical events like pandemics or natural disasters.



FPCO Receives Significant Business Benefits

As a long-term user of aspenONE Supply Chain Management solutions, FPCO is enjoying additional benefits beyond sustainability. The recurring annual economic benefit to FPCO is significant. Building this foundation of optimal planning enables value creation across the breadth of the supply chain through better decision making. This holistic ability to respond to changing market conditions, customer demands and unexpected events has positioned FPCO to remain the leader in the food packaging industry for many years to come.

aspenONE Supply Chain Management at a Glance

aspenONE Supply Chain Management connects Self-Optimizing Plants to the value chain at every level; from execution and tactical planning, all the way up to strategic business planning.

Decision Support Tools Designed for the Process Industries

- 1. Strategic Manufacturing Studies.** Take strategic business planning to a new level by combining high-fidelity modeling, economics, powerful optimization and what-if scenario evaluation.
- 2. Sales and Operations Planning/Integrated Business Planning.** Create robust and optimized plans that holistically model the supply chain, manufacturing assets, constraints and financials.
- 3. Sales and Operations Execution.** Execute flawless operations enabled through scheduling optimization and supply chain and operations alignment.

Read more about [aspenONE Supply Chain Management](#) solutions.

About Aspen Technology

Aspen Technology (AspenTech) is a global leader in asset optimization software. Its solutions address complex, industrial environments where it is critical to optimize the asset design, operation and maintenance lifecycle. AspenTech uniquely combines decades of process modeling expertise with artificial intelligence. Its purpose-built software platform automates knowledge work and builds sustainable competitive advantage by delivering high returns over the entire asset lifecycle. As a result, companies in capital-intensive industries can maximize uptime and push the limits of performance, running their assets safer, greener, longer and faster.

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