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CAT Squared Debuts *TacticalOps*: Planning & Optimization Software for Food Manufacture

January 19, 2018 (CONWAY, ARKANSAS) -- CAT Squared has partnered with [UniSoma](#) to disrupt the food-processing software industry with the launch of *TacticalOps*, our new planning & optimization tool designed for food manufacturers. Attendees at this year's [International Production & Processing Expo \(IPPE\)](#) in Atlanta will be the first to get a sneak peek at the capabilities *TacticalOps* offers at [CAT Squared's booth # C952](#). This exciting new planning & optimization tool empowers food manufacturers with the ability to capture and manage real-time data from the plant floor and look into the future to determine and make better decisions. UniSoma's previous successes implementing planning and optimization tools based on predictive and prescriptive analytics yielded increased production efficiencies and improvements in planning accuracy. JBS reported an increase in contribution margin of over 20% due to the use of UniSoma's Meat Chain Optimizer. In another example, BRF reported \$50 million in savings over a three-year period.

"As a leader in production innovation, Perdue is always researching new strategies to make our plants more efficient," said Mike Lindsey, senior director of manufacturing systems at [Perdue Farms](#). "Perdue has used CAT Squared's manufacturing software solutions in our plants for many years, and we'll be excited to preview this new tool at IPPE to see how it generates more accurate forecasting models. Our supply planners will be interested to see this tool with the expectation it will provide deeper insight into how to match our market demand with our plants' capabilities and ensure that we can produce what we've committed to our customers."

"CAT Squared's solutions already provide excellent control over the shop floor data, but the missing piece of the puzzle has always been the ability to manage and optimize the complex process of production planning and scheduling," said CAT Squared CEO Vernon Smith. "By integrating the power of CAT Squared's MES solution with Unisoma's experience delivering planning and optimization solutions for the food industry and utilizing the [AIMMS prescriptive analytics capabilities](#), we will be able to model the complex processes within the manufacturing facility and generate an optimized production schedule, highlighting bottlenecks and surpluses and maximizing profit. This powerful tool will allow our customers to not only optimize their production scheduling and the utilization of their production facilities, but also react in real time to changes in both supply and demand."





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During a recent demonstration, Luis Pinto from UniSoma provided real-world examples of the kinds of scenarios *TacticalOps* can address. “Let’s say your plant needs to change production plan quickly due to an unforeseen event... Perhaps a flock comes in undersize, for example. This will impact the whole production for the next day because the birds won’t meet the product spec. This could impact the margins for the whole company. *TacticalOps* helps production managers see not just how this event will impact the cutting line, but also determine the best plan for the whole business. These new capabilities will be revolutionary for the industry.”

What is the optimal product mix and best client mix for our various markets?

TacticalOps provides insight into how to maximize plant production given various scenarios by capturing and analyzing data on all inputs and outputs, production methods, product specs, and available markets. For example, given a limited supply of raw material and imbalanced demand, what is the best product mix that will deliver the best outcome for your company? If you run a poultry plant, and you receive chickens that are larger than your average standard deviation, what do you do with them? Do you machine cut or manual cut? How will this decision impact your plant’s yield? This level of insight allows management to make the best production plan for that plant.

Strategic questions addressed by *TacticalOps*

TacticalOps is a dynamic solution that can respond to various market changes by collecting yield data to project into the future. An analysis of this data can answer strategic questions like:

- What is each machine’s capacity and what is each plant’s capacity?
- How much does it cost to produce each line of product, how should I price it, and what’s the market?
- Should I launch a premium product or package low-price, generic brands?
- What should I buy based on my supply plan and what should I produce?
- What happens if the price drops dramatically for a carcass without giblets or if the market suddenly drops?
- What revenue do I get from these products, and what is the high-low demand within the market?
- If my plant produces beef products, which SKUs require angus certification, European Union Certification, or halal processing standards?

Meet the team at IPPE

Visit Booth C952 at IPPE in Atlanta, January 30 – February 1 for a free demo of our new *TacticalOps* planning & optimization software. Contact us at sales@catsquared.com for more information.

