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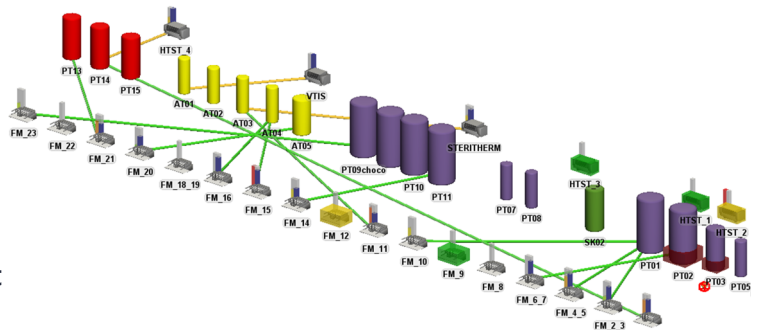
SOLUTIONS FOR THE FOOD & BEVERAGES INDUSTRY

Optimization of scheduling and operations through simulation

Challenges in adapting complex production schedules to new demands? Urgent re-scheduling required because of last minute client request? Too much valuable planners' time repetitively spent tuning production plans? Too many changeovers required to accommodate incompatible products? Plant expansion study requires to re-assess effective production capacity?

We offer powerful simulation-based scheduling solutions developed with (and for!) food and beverage process experts. These advanced analytical aids are designed to capture the real-world complexity of food and beverage plants.

Investing in such simulation-based solutions for systematic production scheduling and optimization has a typical Return on Investment (ROI) of less than 6 months.



HOW WE CAN HELP YOU

[linkedin.com/company/difference-gcs](https://www.linkedin.com/company/difference-gcs)

Typical benefits

The legacy approach: a team of 4 people holds a weekly 5-hour session to review production request and dispatch them based on historical well-doing schedules, with minor modifications.

Day:	1	2	3	4	5	6	7	GLOBAL
R1	100	100	100	50	50			90
R2	100	100	100	80	80	80		96
R3		100	100	67	67	67		91
R4		100	100	100	80	100		100
R5		100	100	100	80	100		100
R6		100		80	43	86		96
R8		100	100	100	50	100		100
R9		100						100
R20	83	100	100	100	75	100		100
R21		100	100	100	100	100		100
R23								
R24		100	100	100	100			100

Day:	1	2	3	4	5	6	7	GLOBAL
R1	100	100	100	100	100	100		100
R2	100	100	100	100	100	100		100
R3		100	100	100	100	100		100
R4		100	100	100	100	100		100
R5		100	100	100	100	100		100
R6		100		100	100	100		100
R8		100	100	100	100	100		100
R9		100		100	100	100		100
R20	83	100	100	100	100	100		100
R21		100	100	100	100	100		100
R23								
R24		100	100	100	100			100

After implementing the simulation-based scheduling solution, the weekly planning exercise is executed in less than 2 hours by one person only. And the optimized schedule becomes feasible with 75% less downtime!

Your return on the investment

- σ Faster production planning with less resources
- σ Efficient handling of product-related constraints
- σ Elimination of Non-Value Added downtime
- σ Optimization of Value Added downtime
- σ Fewer changeovers, saving time and products
- σ Smarter queuing for CIP equipment
- σ Improved workload balancing between fillers
- σ Reduced employees overtime
- σ Palletizers and unitizers debottlenecking
- σ Increase in truck loading docks utilization
- σ Maximization of existing assets capacity

Can you afford plant optimization?
Ask yourself: can you not afford it!