

Simplifying the Complex with Advanced Planning and Scheduling

Jim Raz

Oracle Systems Manager

Sonoco

velocity

CONNECT + ACCELERATE + INNOVATE



Agenda



Sonoco Introduction



Situation / Challenge



Solution Implemented



Results / Value Achieved



Next Initiative

Sonoco – What We Do

5.5 billion Revenue, 300 operations, 30+ countries serving customers in 80+ countries



MENU

Better Packaging. Better Life.

Sonoco is a global packaging solutions leader, committed to improving the lives of our customers, our teammates and our communities.

[Learn More About Our Purpose →](#)



Consumer Packaging & Services →

Packaging products for every consumer brand.



Industrial Products & Services →

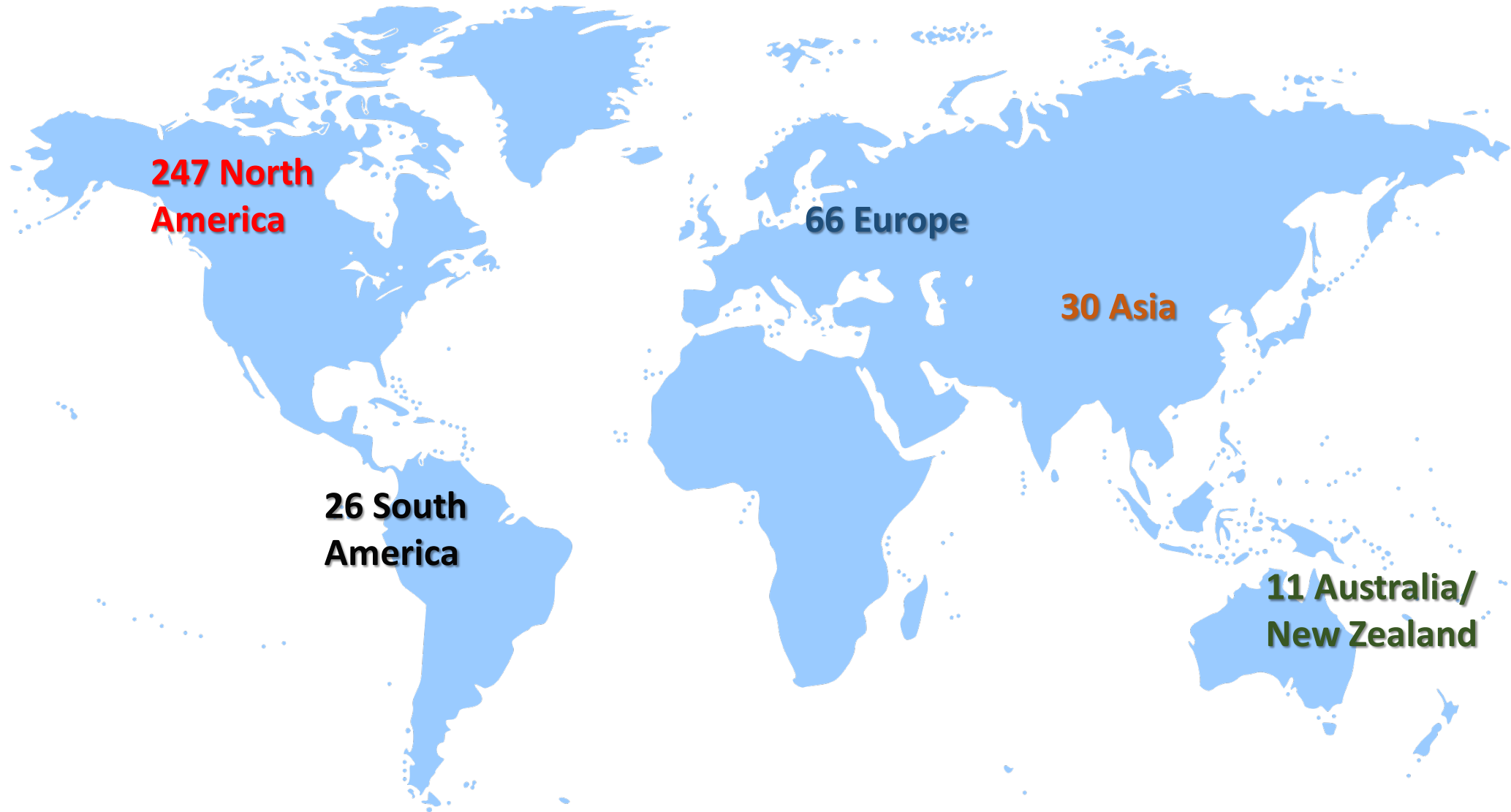
Industrial products for your next project.



Protective Packaging Solutions →

Uncompromising protection for anything you need to store or transport.

Sonoco's Global Presence



APS Footprint

50+ implementations < 2% time

Across 36 plants

Spanning five business units

APS Footprint



Nearly zero inventory



80% of demand lead-time < 3 days



High number of variables which are outside of system but impact schedule

How We Did It

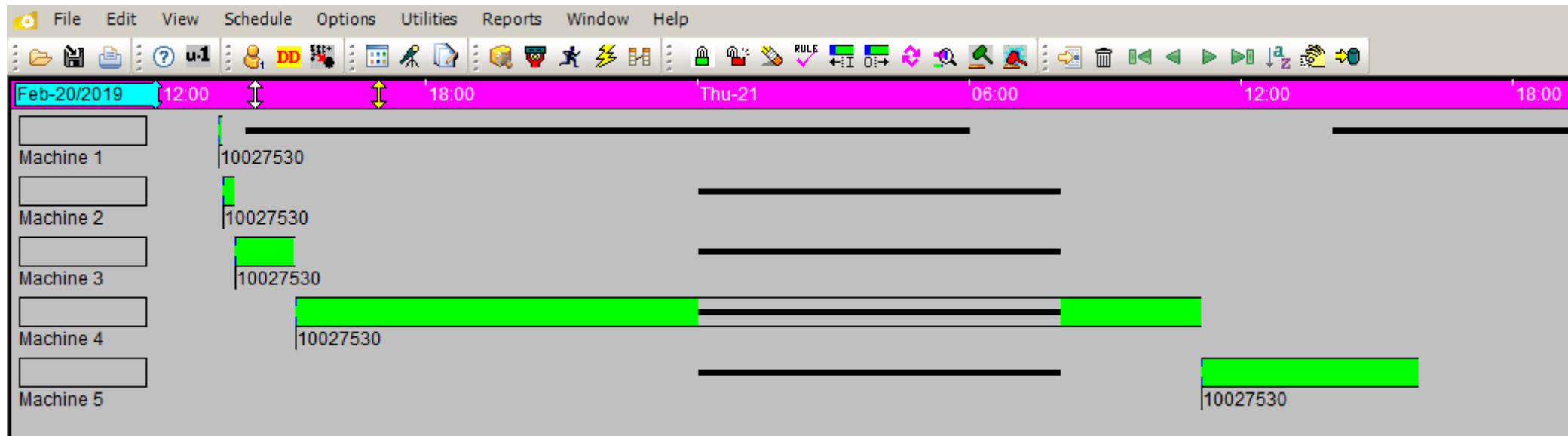
▶ Structure

- Flattened BOM
- 250+ scheduling attributes

▶ Standard approach

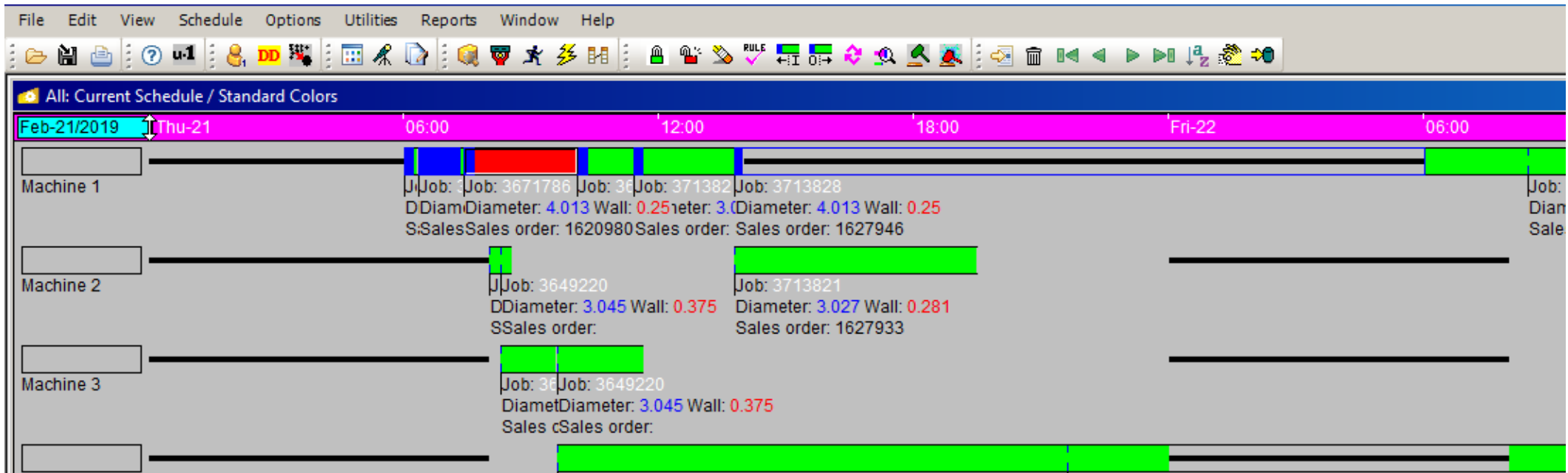
- Detailed sequencing for production optimization
- Not planning
 - ▶ Critical components/subassemblies
 - ▶ Capacity

▶ Rules based vs Experiential



How We Did It

- ▶ 5 minute updates bidirectional
 - Parts, routings, machines, operations, jobs
 - Soft connections – customer and logistics
- ▶ Publish automation
- ▶ Feedback to scheduler
- ▶ Automated cleanup
 - Master info deletion
 - Delayed job deletion



Results & Value Achieved

- ▶ 50+ implementations across 36 plants and Five Business Units
- ▶ Headcount/time requirements
- ▶ Productivity improvement in spite of decreasing lead-times
- ▶ Rapid adoption for backups and personnel changes



▶ What's Next for Us?

- Critical subassemblies and components
- Load balancing “umbrella” machines
multiple plant setup e.g. Mexico



QUESTIONS?

THANK YOU

Jim Raz

Jim.raz@sonoco.com