SYSTEM SIMULATIONS

Overview:
A simulation is a great way to test how your system will actually perform. Typically, your actual order profiles for the design year are input into the simulation to validate overall throughput and identify bottlenecks. Simulations allow you to better predict your manning requirements. It is modeled to the exact specifications of the customer’s current or proposed system, and variables can be modified to analyze the changes as they take effect. A simulation predicts how system changes will affect overall functionality prior to any real-world modifications. This helps companies make educated decisions to improve their business operations.

About System Simulations

Uses
- Optimize the design and selection of automation of a proposed material handling system
- Perform what-if analyses to assess system performance and mitigate risk
- Determine resource utilization for equipment and staff
- Validate new system designs prior to installation
- Identify bottlenecks with a current or proposed system
- Test the system with different order profiles and waving methodologies

Benefits
- Verify your system will perform as expected before building it
- Mitigate risks to your business
- Avoid unnecessary costs
- Make informed decisions to improve operations
- Visualize a new system before it is installed
- Optimizes return on investment
Material Handling System Simulations

Simulation Process:

1. Project Kick-off
2. Assumptions Document
3. Data Collection
4. Base Model Development
5. Final Report
6. Optimize Design
7. Model Experimentation
8. Base Model Validation

Simulation Software:

FlexSim

Simulation Experience

Partial Client List

- ACH
- Amway
- Anheuser Busch
- Artivinco
- Asian Paints
- ATK
- B&H Photo
- Campbells
- Clalit
- Cleveland Clinic
- CNH
- Continental Tire
- Covance
- Dick's Sporting Goods
- Edgewater
- Express Scripts
- Garmin
- Hahtumaki
- iHerb.com
- Ingram Micro
- Johnson & Johnson
- Molson-Coors
- NUPCO
- Nutrisystem
- QuickTrip
- Republic National
- Southern Wine & Sprits
- Wrigley’s

Contact

- Email: info@bastiansolutions.com
- Phone: (888) 725-3048
- http://www.bastiansolutions.com