



Operations

Operations Management Business Simulations

These simulations are designed to help students learn the critical role of operations management in a small manufacturing business. Several products are produced by the manufacturing facility. Twelve months of simulated operation are provided with these simulations. The student/teams are responsible for setting Operations strategy and making all the tactical level Operations decisions. These simulations are available in three editions. The Student edition is designed to play as part of a class with the instructor administering rounds of play. The Stand Alone edition is designed to play against nine computer players and can be played multiple times. Each of these editions use the Windows environment. The Web edition is designed to play in a browser on the Internet. It can be played multiple times and the user plays only to improve own performance without competitors.

Decisions include:

- Quality Control
- Maintenance
- Worker Incentives
- Worker Training
- Worker Assignment
- Process Development
- Product Scheduling
- Raw Material Ordering
- Station Scheduling



Reports Include:

- Financial Statements
- Station Summary
- Worker Summary
- Production Report

Analysis Spreadsheets:

- Operations Analysis
- Demand Forecasting
- Break Even
- Aggregate Planning

BusSim Operations Business Simulation (Web Edition)

Current Decisions

Maintenance (\$000)

Quality Control (\$000)

Technology (\$000)

Fabric (Rolls)

Tubes (000)

Hardware (000)

Scheduling Decisions

| | Fabrication (Hrs) | Assembly (Hrs) |
|-----------|----------------------------------|---------------------------------|
| Cutting | <input type="text" value="160"/> | <input type="text" value="80"/> |
| Strapping | <input type="text" value="160"/> | <input type="text" value="80"/> |
| Framing | <input type="text" value="160"/> | <input type="text" value="80"/> |

Month

Current Outcomes

| | OutdoorPak | SchoolPak |
|--------------|------------|-----------|
| Demand | 51,729 | 20,808 |
| Production | 37,172 | 51,258 |
| FG Inventory | 0 | 32,450 |
| Backorder | 11,557 | 0 |
| Delivery (%) | 77% | 100% |
| Prod Cost | \$20.61 | \$15.49 |

| Month | Fabric | Hardware | Tubes | Pieces | Straps | Frames | OutdoorPak | SchoolPak |
|-------|--------|----------|-------|--------|--------|--------|------------|-----------|
| 1 | 0 | 4,841 | 2,400 | 23,028 | 0 | 13,527 | 0 | 32,450 |

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