MOSIMTEC™

predict. decide. improve.

- 100% focus on modeling, simulation and data management to help companies improve performance
- Provide data analytics, animation, 3D visualization, optimization
- Also provide real-time decision support, dashboards, and risk-based planning and scheduling
- Conduct virtual pilots, scenario, what if, and statistical analysis
- Multi-paradigm modeling – discrete-event simulation, agent-based, system dynamics
- Leverage wide range of software options
- Extensive experience in multiple industries

About Us

MOSIMTEC™

North America based business focused on modeling & simulation consulting

Multiple geographies

Multiple software packages

2011
established

Workshops & mentoring

Simio
Forward Thinking
Premier Partner

100+
modeling projects

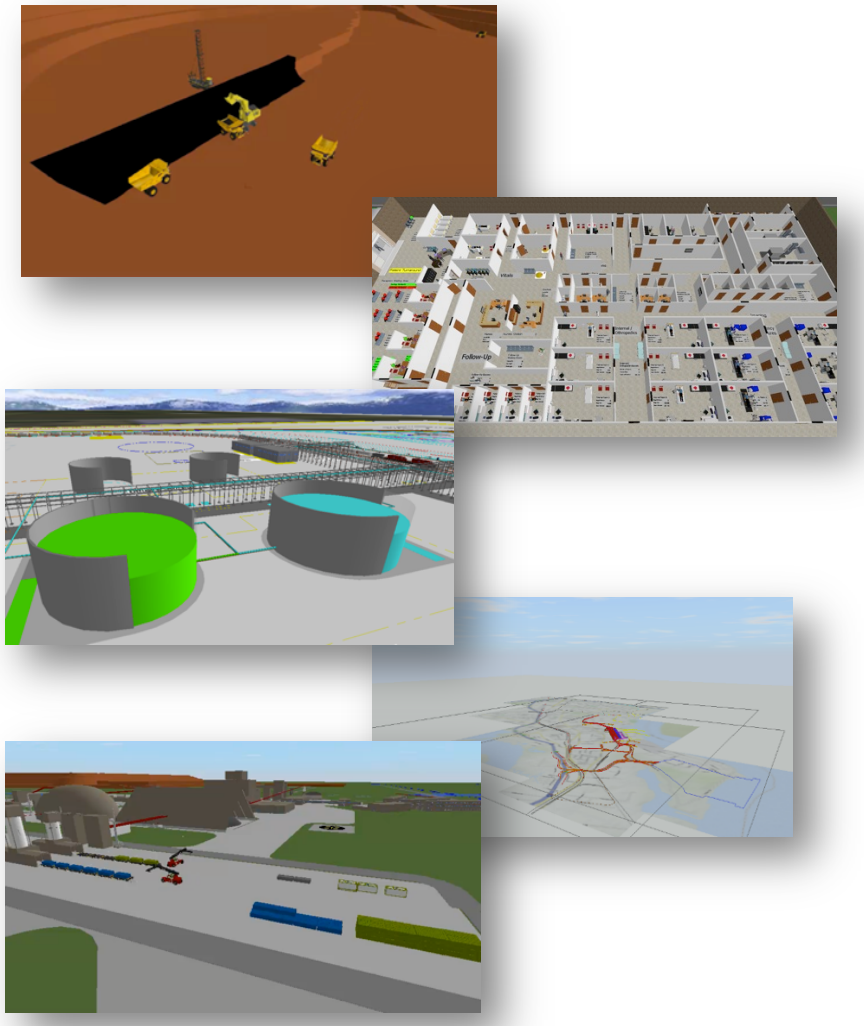
VMASC
OLD DOMINION UNIVERSITY
Industry Partner

MBOK

government mining transportation supply-chain chemicals oil & gas healthcare manufacturing aerospace consumer food service

Diverse Projects – Examples

- Intermodal Terminal
- Regional Rail Network
- Supply Chain – Rail, Port, Maritime
- Oil and Gas Transload Facility
- Chemical Plant
- Mining Operations
- Mine Material Handling
- Pharmaceutical Automation
- Medical Device Manufacturer
- Tractor Manufacturer
- Airport Security Screening
- Restaurant Kitchen Operations
- Government Facility Management



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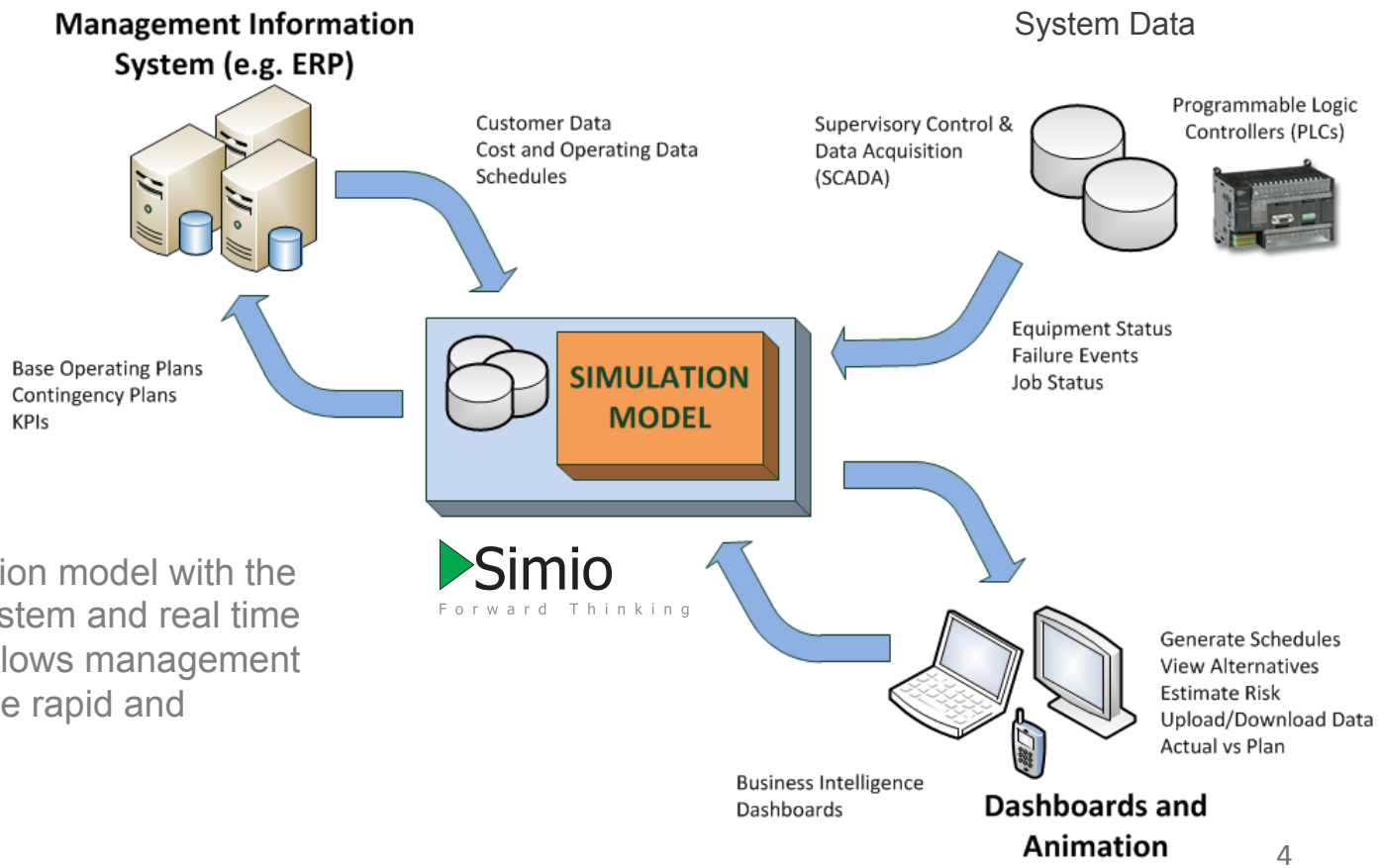
Build once…use many times

- This technology can be a powerful tool for real-time decision-making and simulation-based planning and scheduling



Integrating the simulation model with the enterprise planning system and real time resource monitoring allows management and operations to make rapid and informed decisions.

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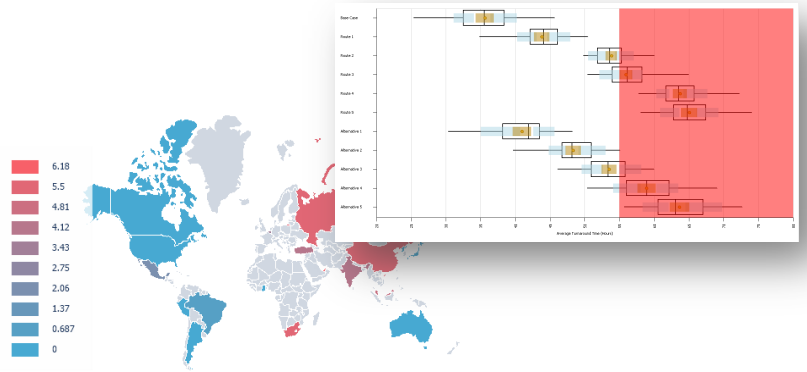
Simulation Output

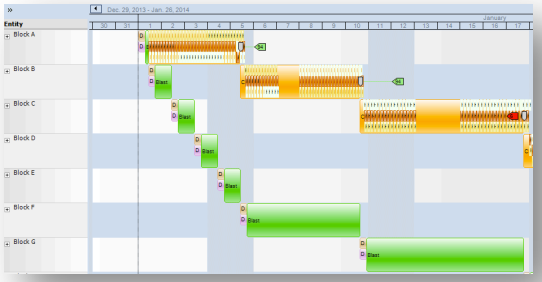
Ways to understand data better

1. Animation & Visualization - Key to proving practical results of new approaches & processes



2. Statistics - Ability to measure results

3. Dashboards - Present concise, relevant, and actionable information to decision-makers



4. Decision Support Data - Outputs become key inputs to MIS and enable informed decision-making

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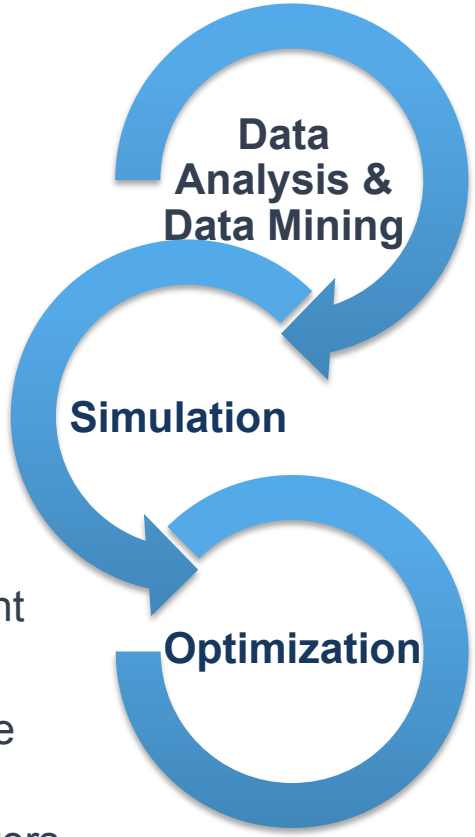
Potential Application Areas

- Data Analysis & Data Mining
  - Data Clustering
  - Visualization of Complex & Unstructured Data
  - Dashboards
  - Analysis of Product Mix
  - Analysis of Product Features
  - Market Segmentation
- Optimization
  - Maximize Profit
  - Minimize Cost
  - Operations Improvement
  - Workforce Scheduling
  - Optimal Product/Service Mix
  - Optimal Policy Parameters



- Simulation
  - Supply Chain Analysis
  - Throughput & Capacity Analysis
  - Performance & Bottleneck Identification
  - Facility Design and Flow Analysis
  - Design Validation
  - Business Workflow
  - Population Projection
  - Market Dynamics
  - Product & Service Adoption

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