Every Supply Chain is Unique, Capture Yours!

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Agenda

• anyLogistix timeline since ALC’2016

• What is new:
  – anyLogistix editions
  – New UI features
  – Analytical optimization
  – Scenario inter-conversion
  – Dynamic Simulation

• anyLogistix 3.0
anyLogistix Timeline Since ALC’ 2016

2016

Apr
ALX 2.1
New UI
Comparison exp.
Parameter variation exp.
Extended statistics
New examples
Sales batches
Production batches
Ordering rules
Events

ALC’2016

2017

Mar
ALX 2.5
NetOpt now powered by CPLEX
Improved GFA
Easy extension with AnyLogic
New statistics concept
New simulation model
Custom experiment
Processing time & cost
Own Fleet/Milk runs/Gates
Performance

2018

Apr
ALX 2.8
Infeasibility check
Extensions manager
Risk analysis
Custom route provider
Cash to serve
CVRP
...

May
ALX 2.6 & PLE
GFA by roads
Custom constraints
Step functions
Transportation optimization
UI improvements
Parallel model execution
Validation
Structure view
New events
Safety Stock Estimation
Statistics performance
...

Dec
anyLogistix Studio Edition

Dec
ALX 3.0
## What is New: anyLogistix Editions

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What is New: Some New UI Features

• Validation
  – anyLogistix checks scenario data and experiment settings

• Filters
  – You can chose which object to see on the map

• Get support
  – Contact technical support from the anyLogistix environment

• Supply chain structure view
  – Now you can look at both geographical and logical maps
What is New: Analytical Optimization

- **Transportation optimization**
  - Vehicle routing problem (VRP)
  - Capacitated Vehicle routing problem (CVRP)

- **Network optimization**
  - Custom constraints
  - Indicators
  - Special functions
  - Vehicles flows
  - Leads time for flows
  - CO₂ emission

- **GFA**
  - GFA with roads
  - Includes supplier

- **Feasibility check (NO)**
  - anyLogistix checks the reasons for infeasibility and suggests ways to avoid them
What is New: Scenario Conversion

- Problem
  - USAGE BARRIER: How to switch between different types of scenario?

- Solution:
  - anyLogistix enables you to convert results or scenarios into other types of scenario.

Diagram:

- Greenfield Analysis (GFA)
- Network Optimization (NO)
- Transportation Optimization (TO)
- Dynamic Simulation (SIM)
What is New: Cash to Serve

Diagram showing the flow of payment terms from account receivables to bank with SC cost and loan + interest.

- Account payable
- Payment terms
- SC cost
- Account receivables
- Cash account
- Loan
- Loan + interest
- Bank
What is New: Safety Stock Estimation

- Safety stock to provide 100% service level
- Redundant safety stock

Simulation modeling time

Actual inventory behavior

Ideal inventory dynamics

“Reorder up to” quantity

Reorder point

Quantity

Safety stock to provide 100% service level

Redundant safety stock
What is New: Risk Analysis

- Performance Impact
  - Service level
  - Revenue
  - Total cost
  - Profit
  - Demand fulfillment
  - Lead time

- Time to recover
What is New: Extensions

Extensions manager

Extensions templates
anyLogistix 3.0

• Browser-based UI
  – Visualization
  – Dashboard
  – Reports & statistics

• Network optimization
  – Batches
  – Limiters (not more than N flows allowed)

• Transportation Optimization
  – CVRPTW – Capacitated Vehicle Routing Problem with Time Windows

• Simulation
  – Support for external BI tools
  – Shared fleet (depot)
  – Operating hours/Time Windows

• Migrate default database to SQL Express or Postgress

• MacOS version

• Release time: December 2018
Thank you!

Find more information at www.anyLogistix.com

- ALX textbook
- ALX case studies
- Download anyLogistix PLE