

## Performance-Improving Solutions for Transportation and Routing

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**Dynadec's optimization systems deliver game-changing cost savings and operational efficiencies to companies and organizations looking to optimize the performance of their asset management and other operations.**

Dynadec has developed the world's most advanced software platform for delivering next-generation optimization systems that enable any complex organization to quickly maximize its productivity.

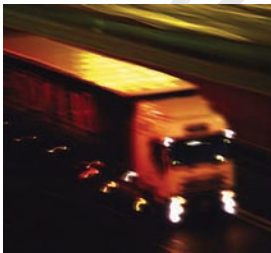
Dynadec's team of world-renowned optimization experts works with you to build upon its proprietary Comet™ software platform to deliver complete turnkey systems designed for your specific needs and applications. Dynadec's solutions provide customers with a sophisticated model for managing the deployment and routing of vehicles and other assets used in the routing and logistics of service assets. These solutions consider factors such as wind direction, ideal carrying weight, fuel costs, refueling, and service requirements to enable customers to quickly and optimally manage their distributed resources under dynamic conditions and drive down costs.

### Examples of where Dynadec can help include:

- Reducing operational costs by developing an asset deployment model that is nimble and reacts dynamically to daily environmental and business changes as well as economic variables
- Reducing transportation costs by optimizing personnel route assignments between production assets and eliminating labor associated with manual scheduling systems
- Reducing overall fuel costs by factoring ideal weight and route distances into the optimization algorithms
- Potentially increasing revenue by dynamically optimizing personnel for service levels as well as labor costs

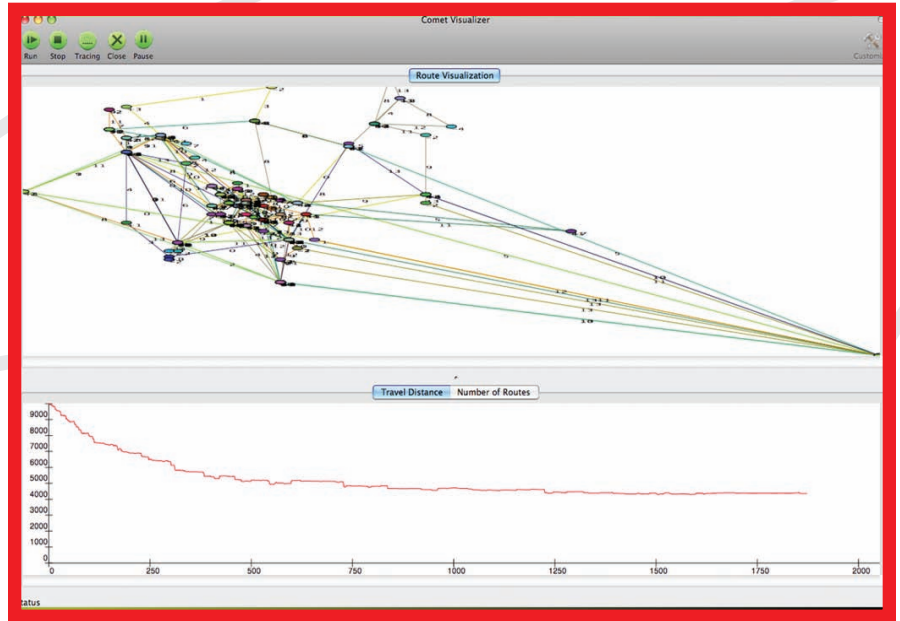
### About Dynadec:

Dynamic Decision Technologies, Inc., d.b.a. Dynadec, was formed to commercialize the inventions of the Optimization Laboratory at Brown University. Dynadec maintains an exclusive license to Comet™. This next-generation optimization platform, which uniquely combines techniques for Constraint Programming, Mathematical Programming, and Constraint-Based Local Search, dramatically simplifies the design and implementation of optimization algorithms while preserving the efficiency of low-level, problem-specific implementations. The result is an award-winning, proven technology platform that can be harnessed for solving complex combinatorial optimization problems in areas such as resource allocation and scheduling.



Markets for  
Dynadec's  
solution include  
shipping &  
transportation,  
retail and  
consumer  
packaged goods,  
oil and gas,  
and general  
manufacturing.





*Example of Dynadec Supply and Evacuation solutions*

Dynadec's unique solution incorporates every important variable, including distance, fluctuating wind patterns, ideal carrying weight, fuel costs, and primary safety priorities, to produce the most reliable and accurate model for real-world deployment.

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