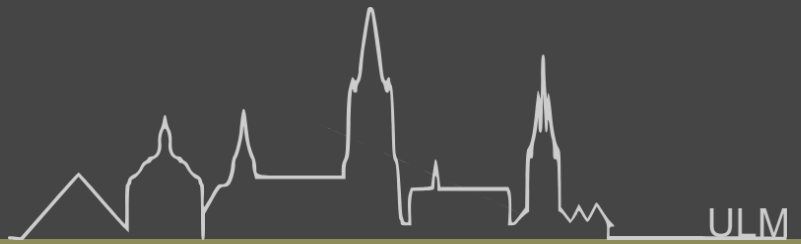
DNA
//evolutions

JOpt.TourOptimizer

Intelligent Tour and Resource Optimization for TMS & WMS Platforms

DNA Evolutions GmbH · www.dna-evolutions.com · October 2026

Authorized Managing Director:
Dr.-Ing. Dipl.-Phys. Jens Richter



JOPT.TOUROPTIMIZER

The optimization engine that respects every constraint.

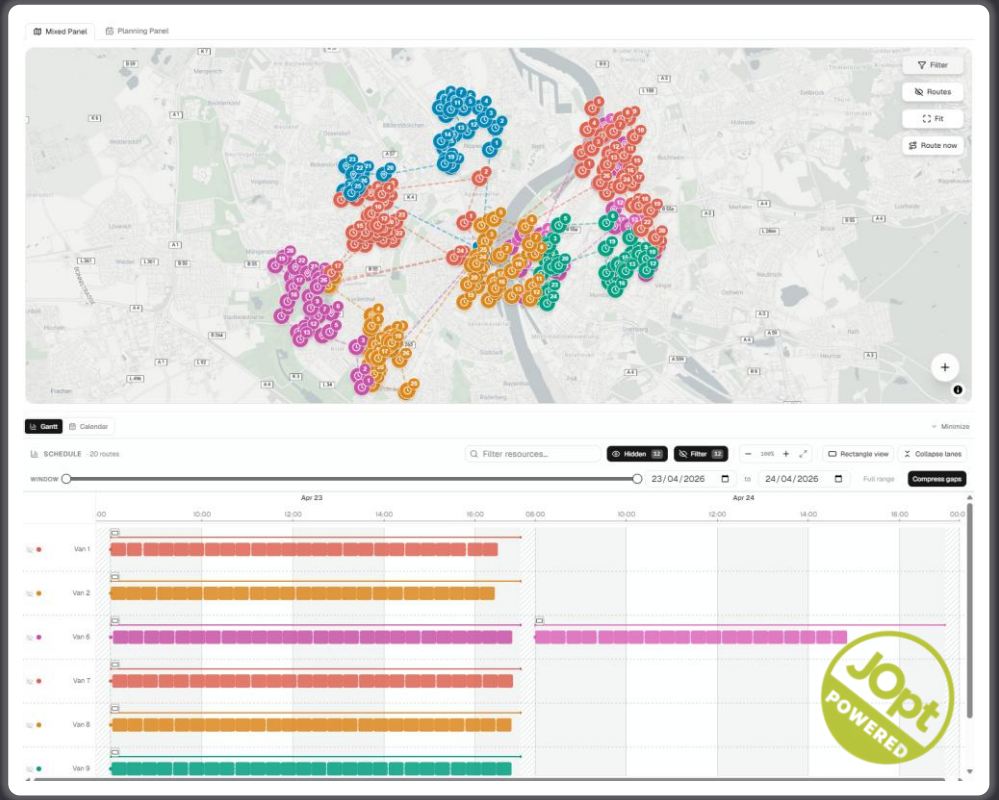
The planning brain inside TMS, WMS and field-service platforms. Your product owns the user experience; JOpt computes feasible, optimized plans.

0
hard-constraint violations, by design

14
capability categories

10 min
to a first optimization

Your platform. Our engine.



Sample problem: 20 optimized routes over two days, map and Gantt view

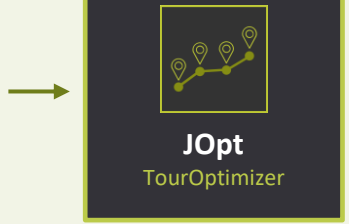
WHAT IT SOLVES

Any Constraint. Any Industry. One Engine.

Combine building blocks freely, then add your own rules.

CONSTRAINTS

- Time windows
- Skills
- Zones & territories
- Multi-day
- Multiple depots
- Pickup & delivery
- Split delivery
- Dynamic production
- Guaranteed SLAs
- Your own rules



INDUSTRIES

- Logistics & delivery
- Field service
- Workforce scheduling
- Manufacturing
- Healthcare

Hard constraints guaranteed by architecture
SLAs (Pillars), skills, zones and more can never break.

Missing a rule?
Add it in plain Java with the Open Assessor.

WHAT MAKES IT DIFFERENT

Advanced Planning, Cutting-Edge Technology

From guaranteed SLAs to on-demand production, powered by AI and quantum computing.



ONLY IN JOPT

Pillar (Captured) Nodes

SLAs that can never be violated. Other work flows around them.



Zones & Territories

Resources and nodes in one or many zones, switchable per shift.



Dynamic Manufacturing

Optimizer decides how much each site produces. Built-in split delivery.



AI on Input and Output

AI builds the input model and explains the result.



Reinforcement Learning

Agents learn the best weights and operators.



Quantum Computing

D-Wave quantum annealing for route construction.

HOW YOU GET THERE

Easy to Embed, Built to Scale

Two ways in: native in your Java code, or as a ready-made Spring Boot service.



NATIVE

Java Library

In-process inside your application. Full API depth. Maven, Java 17.

OR



SPRING STACK

Spring Boot Service

REST and OpenAPI 3 for any language. Docker, Kubernetes, cloud or on premises.

10 min
to a first optimization

100+
working examples

20+
feature guides

4
browser sandboxes

Proven Across Sectors

Inside planning products for field service, logistics and healthcare and others.

PTC · Schneider Electric · ServiceMax
Field service & Work Force

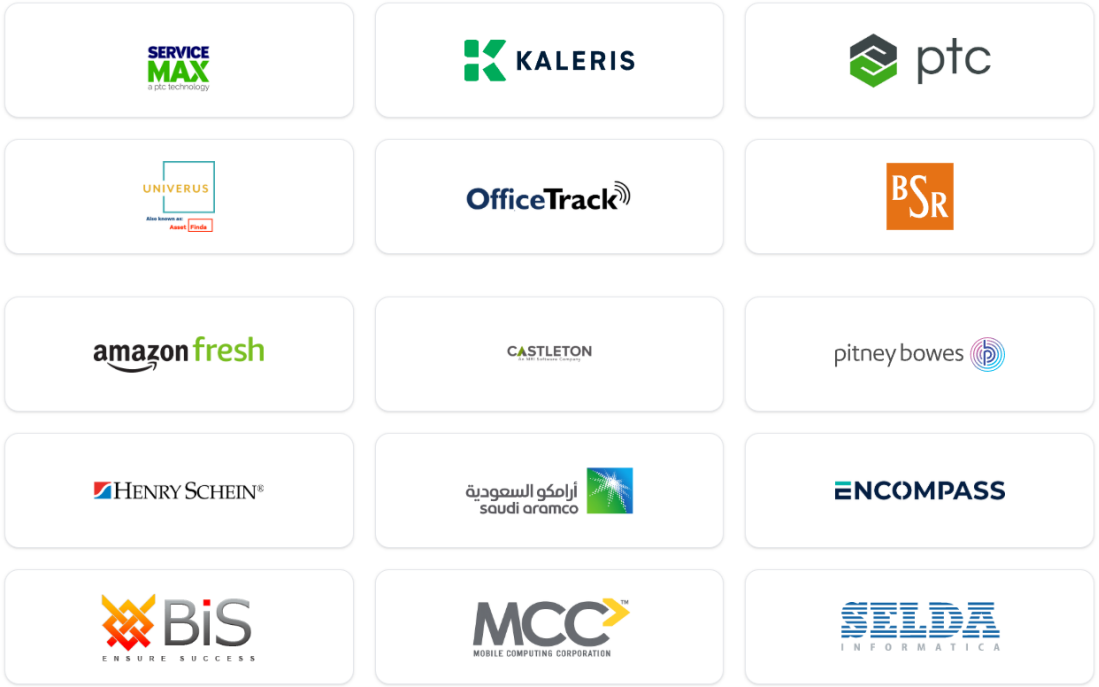
Kaleris · CAMS
Grocery delivery & Terminals & yards

OfficeTrack
Logistics & Telecommunication & Mining

Amazon Fresh
Grocery delivery

Pitney Bowes
Shipping & logistics

Henry Schein
Healthcare distribution



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Build vs Buy, Already Solved

Faster time to market and a stronger product, without years of R&D.



Any constraint
Any industry, one engine



Cutting edge
AI, learning, quantum



Easy to embed
Proven in production

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