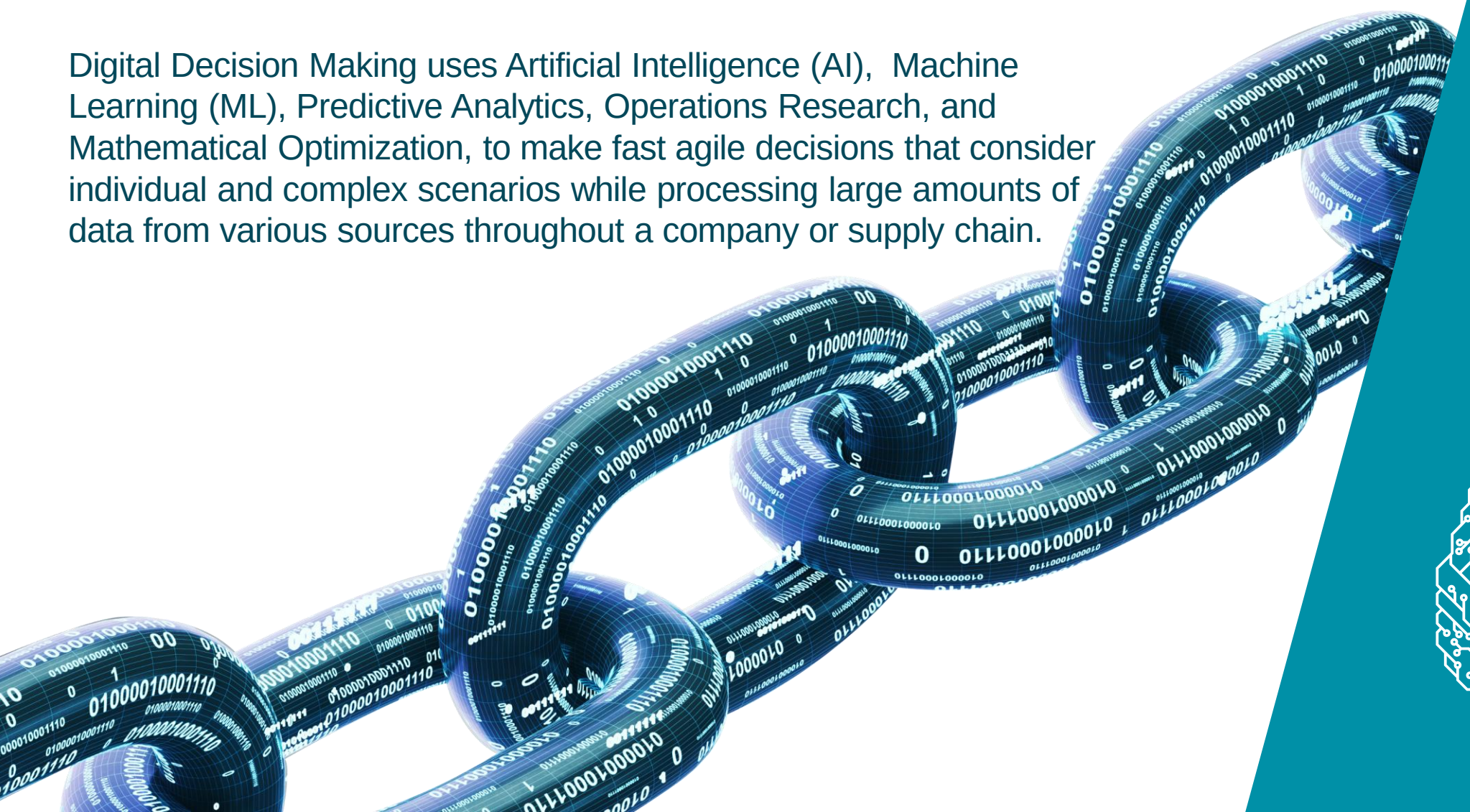
Digital Supply Chain Solutions

Digital Decision Making uses Artificial Intelligence (AI), Machine Learning (ML), Predictive Analytics, Operations Research, and Mathematical Optimization, to make fast agile decisions that consider individual and complex scenarios while processing large amounts of data from various sources throughout a company or supply chain.



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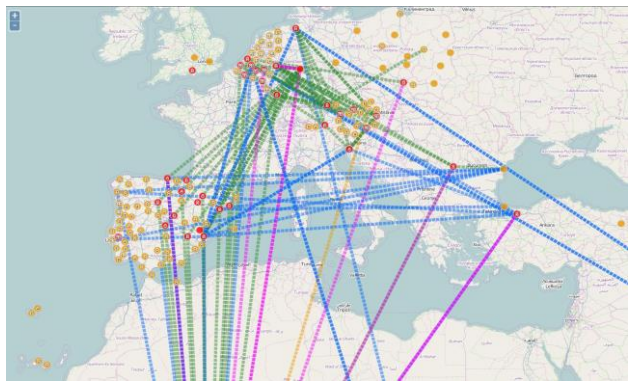
Network Visibility

Global Track and Trace with visibility of the entire supply chain from inbound plant logistics through to the distribution of new vehicles into the dealer or consumer network.

Real-time information on the current position of parts and materials by collecting status and position updates from scanners, RFID, and telematics.



Optimal Network

Strategic Network Planning

Vehicle Yard Management

Workshop Optimization

Transport Management

Vehicle Logistics

Network Visibility

The solutions can be used individually or combined to leverage complete supply chain optimization

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Measurable Results

Strategic Network Planning
3-12% annualized cost reduction on overall logistics network spend with the ability to run forecast simulations, green field studies and test scenarios to find the best overall cost versus performance combination.

Parking optimization
15% increase in yard capacity without any infrastructure cost increases.

Workforce optimization
50% increase in number of cars moved per worker per day.
90% reduction in shuttle van usage.

VPC Scheduler
50-75% reduction in planning time.
15-20% increase in total daily vehicle throughput.

ROI 12-18 Months

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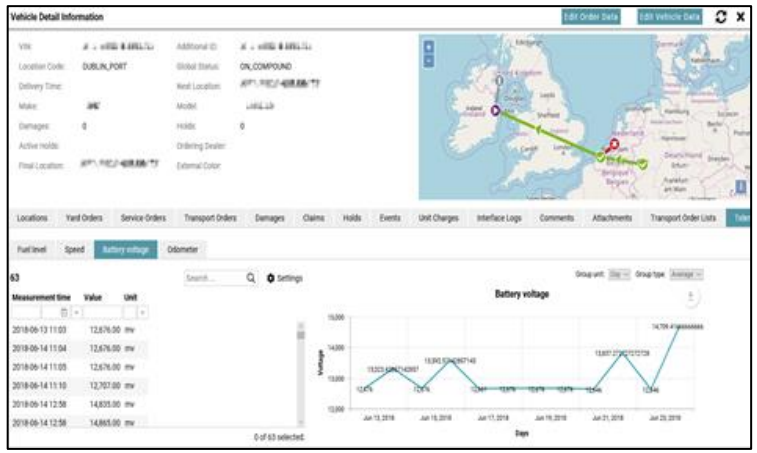
Transport Management

Dynamic route optimization and load building to maximize capacity of transport and driver assets based on strategic network design. Track all steps in the logistics supply chain via ePOD and vehicle telematics for real-time information of truck and vehicle locations.

Provide key vehicle status information (fuel level, battery level, odometer, tire pressure) to mitigate damage and delays in delivery, and to reduce costs for routine vehicle checks (battery voltage check, tire pressure check).



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Logistics Models and Methodology

Traditional

Time consuming manual processes, often Excel based, lacks real-time data, no ability to simulate network costs or performance down stream

AI/ML Digital Decision Based

Fast and Efficient Digital Processes, ability to calculate large amounts of data, run various simulations and forecasts, select best network model