

AI-Powered Load and Route Planning

Intelligent Software for Specialized Product Delivery

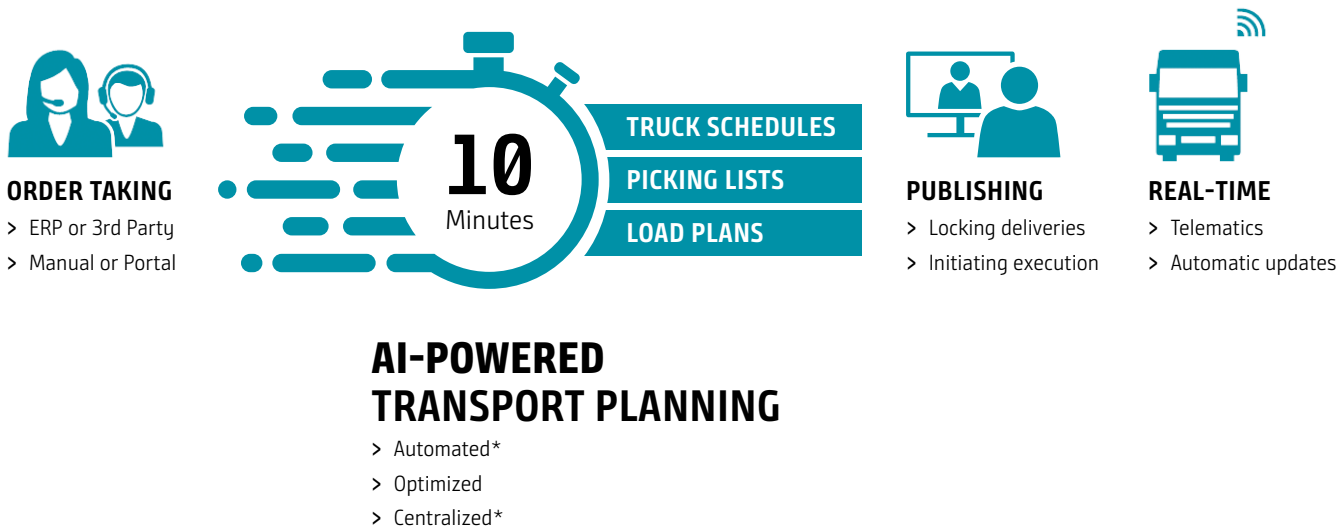


Specialized Product Delivery Unrivalled Digital Torque

Our AI-POWERED software fits easily into your existing IT infrastructure, speeding up logistics decision-making processes significantly. Connected to your ERP system, our software constantly retrieves the most current order book. In combination with fleet and geo data, the system creates three optimized plans - all in less than ten minutes:

- LOAD PLANS
- PICKING LISTS
- TRUCK SCHEDULES

Whenever your dispatchers are ready, they can then lock one of these deliveries and initiate their execution. Once the trucks are out on the road to customer sites, real-time updates can be fed back into our system and can be considered with the next optimization run.



Whether you deliver building materials or any other specialized products, being able to take fast turns in load and route planning can mean the difference between winning or losing the daily race for competitiveness. Customers applaud for on-time and in-full deliveries only. Our AI-POWERED Load and Route Planning Software provides unrivalled digital torque that allows dispatchers and planners to do incredibly complex, time-critical calculations with ease – moving more payloads with fewer trucks each day.

LOAD PLANS

Finding the right loading model is a hard nut to crack. And shipping too much “air” can quickly drain your fleet’s productivity. Our AI-POWERED LOAD PLANNING software can process a larger range of variables, including all product, site, and truck constraints.

TRUCK SCHEDULES

Multi-stop transport planning is the ultimate challenge for any dispatcher. Our AI-POWERED ROUTE PLANNING software can do incredibly complex, time-critical calculations with ease – moving more payloads with fewer trucks each day.

PICKING LISTS

Manual picking is a time-consuming and error-prone activity. Our AI POWERED software eliminates the human error from this process. It provides your staff with an easy-to-use list that accelerates the loading processes in your depots.



Explore how far you can go on AI

WHAT OUR CUSTOMERS TYPICALLY ACHIEVE

Over the past 30 years, technology has advanced dramatically. Today, algorithms outperform legacy systems by means of speed, productivity and financial performance. What's more, algorithms can process a larger range of variables and allow you to remove the human error from the dispatch formula.

LOAD PLANS

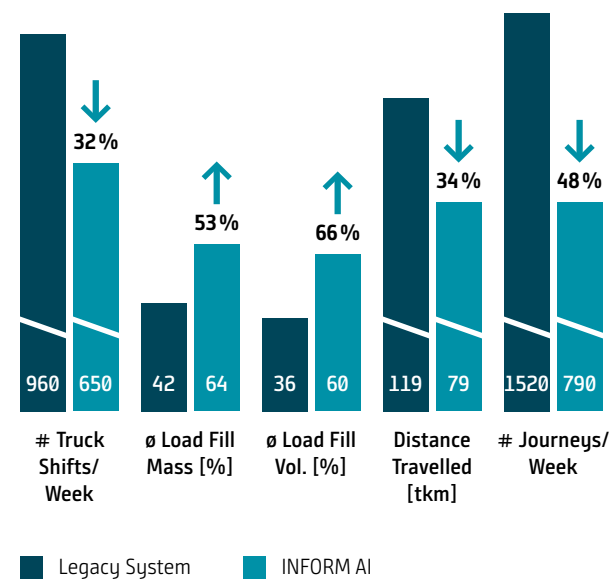
- > **Fill Level:** Increases volume and weight by over 50 %
- > **Classification:** Light, medium, heavy, heavy stackable, basket, pipe, palletized
- > **Safety:** Industry-proven loading model
- > **Trucks:** Finds optimized capacity, crane, and trailer match
- > **Pickups:** Possible where capacity and unload sequence allow

PICKING LISTS

- > **Loading:** Optimized picking lists that increase speed and reduce errors
- > **Products:** Over 50,000 SKUs possible
- > **Classification:** Self-learning Machine Learning (ML) tool to classify SKUs

TRUCK SCHEDULES

- > **Fleet:** Reduces fleet size by over 30 %.
- > **Trips:** Cuts the number of trips by almost 50 %
- > **Mileage:** Shortens overall distance by over 30 %.
- > **Unloading:** Optimized sequence for higher speed and safety.
- > **Customers:** Delivery time windows and return orders.
- > **Trucks:** Finds optimized capacity, crane, and trailer match.
- > **Depots:** Checks product availability, loading slots, and preload options.
- > **Drivers:** Start/end location, skills, working hours.



Algorithms have become an important efficiency driver in optimizing outbound transportation. They create the optimal balance between truck schedules, picking lists and load plans.



REFERENCES

Our more than 850 business analysts, data scientists and software engineers proudly support turn-key solutions for more than 1,000 customers in over 40 countries. We have been supplying solutions to the logistics industry for over

25 years and many big and medium size players in the building materials industry have put their trust in us. Today, dispatch teams at cement, aggregates, ready-mix, asphalt, and ready-mix producers around the world use our algorithms to ship a combined volume of over 1M tons daily.

Selected

References



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