Planning – map visualization

Enhanced map visualization: planned routes, color-coded stops, and configurable marker sizes for clearer load planning.

Updated March 24, 2026

Introduction

The map visualization has been upgraded to improve clarity and usability, with changes to **planned routes, stop markers, and color usage**. Planners and dispatchers can now understand routing, vehicle assignments, and stop-related metrics at a glance.

Key improvements include:

- Displaying **planned routes** in specific colors on the map.
- Improved **stop markers** with configurable sizes and displayed metrics.

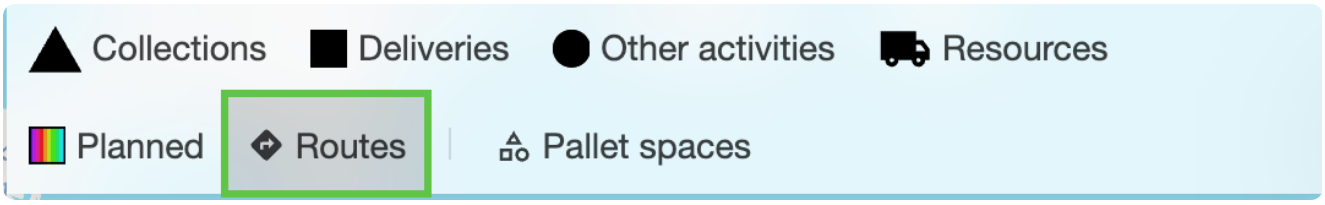
Terminology

Term	Definition
Planned routes	Predefined loads/routes already assigned in the system.
To plan stops	Stops that are not yet assigned to a planned route.
Legend	The control panel within the map view that allows users to turn features on/off or configure display options.
Stop marker	The pin/marker on the map representing a pickup, delivery, or planned stop.
Metrics for marker size	Configurable options that determine the stop marker size, including loading meters, pallet spaces, volume, or weight.

Configuration

1. Planned routes visualization

- **Enable/disable routes**:
  - Use the **'Route' toggle button** in the legend to show or hide planned routes.
  - Each planned route appears in a unique color.



- **Stop sequences**:
  - Stops along a planned route display their **sequence number**.

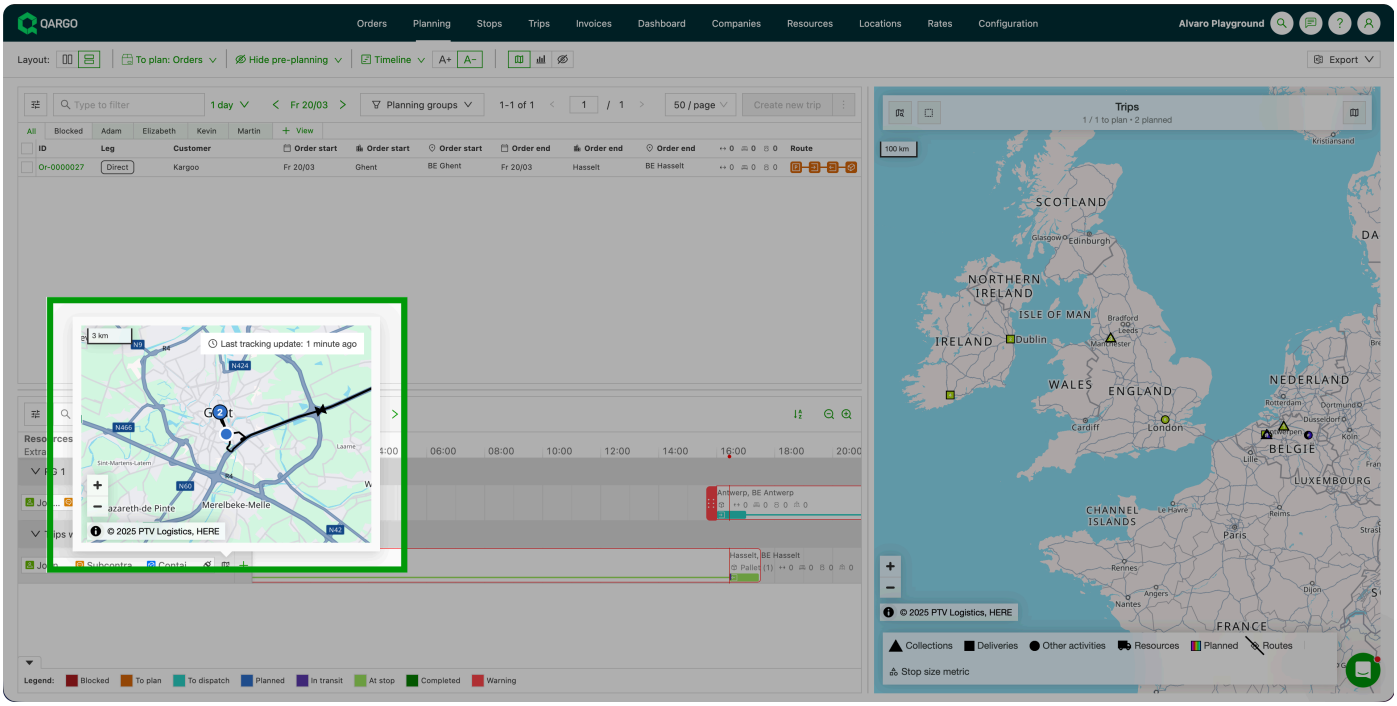
- If multiple stops share one marker, the marker displays a `#` symbol and uses **multiple colors** to indicate different routes.



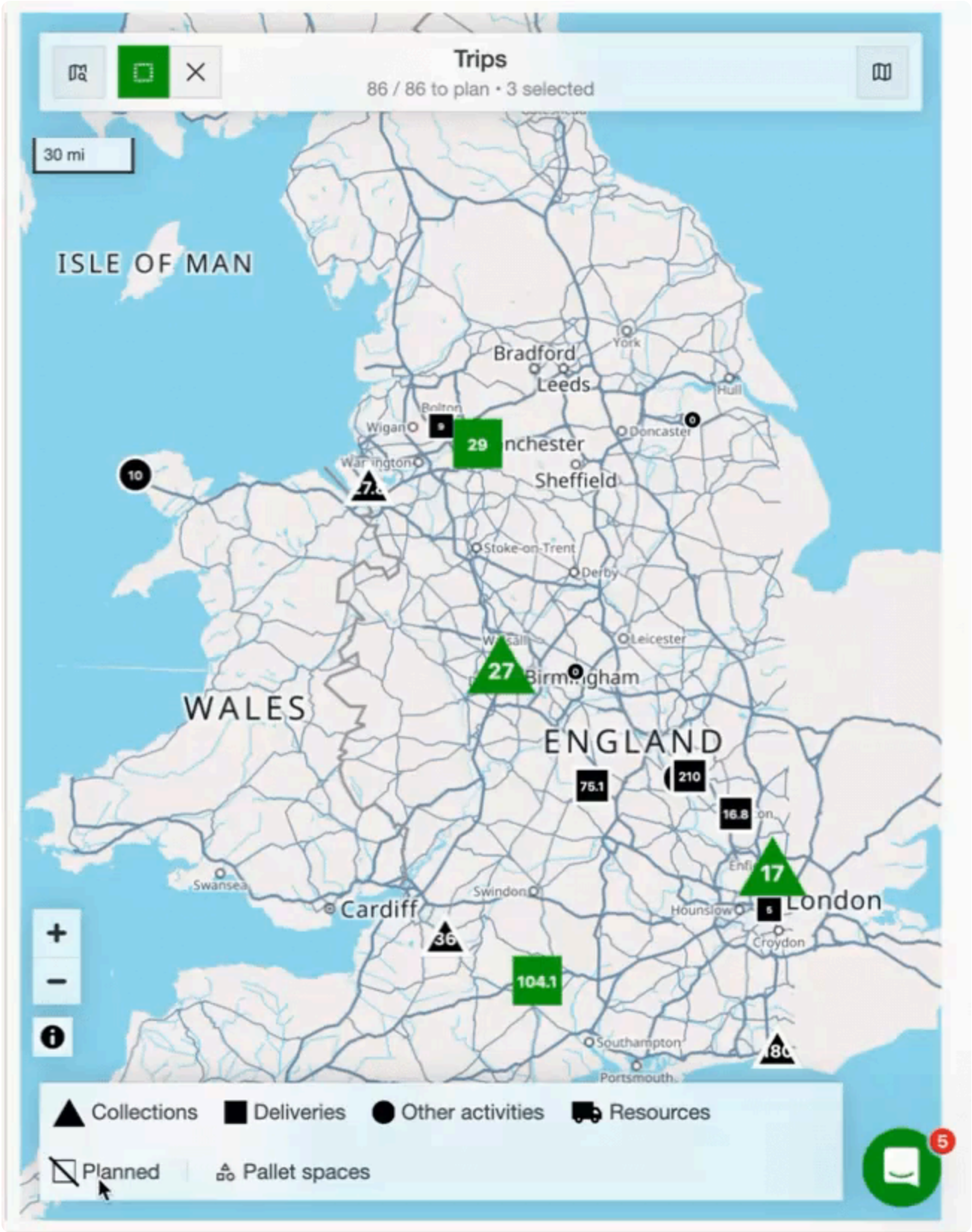
- **When routes are turned off**:
  - Routes are hidden, but stop markers remain colored to show they belong to planned routes.
  - If the **'Planned' button** is turned off, both planned routes and stops are hidden, as well as the Route toggle itself.
- **Hover interaction**:
  - Hovering over a marker highlights the associated route, even if the routes are toggled off.
  - When hovering over a resource on the planning board, the tracking map popup appears and now shows:
    - **The driver's current GPS position** (existing blue dot marker)
    - **The active load route**: numbered stop markers connected by route lines, matching the same visualization used in the load detail view:
      - ▲ Triangle markers = pickup stops
      - ■ Square markers = delivery stops
      - ● Circle markers = other stops
    - The map stays **centered on the driver's current position** at the existing zoom level. Zooming out manually shows the full route.

📚 **Which load is shown?**

- The load with status **In Progress / Started** is shown.
- If no load has been started yet, the **first planned load** of the day is shown.
- If all loads are completed (or no loads are assigned), the popup falls back to GPS-only view (the previous behavior).



- **Vehicle and trailer colors**:
  - Trucks and trailers assigned to a load are shown in the same color as their planned route.
  - Unassigned vehicles remain in their default colors.



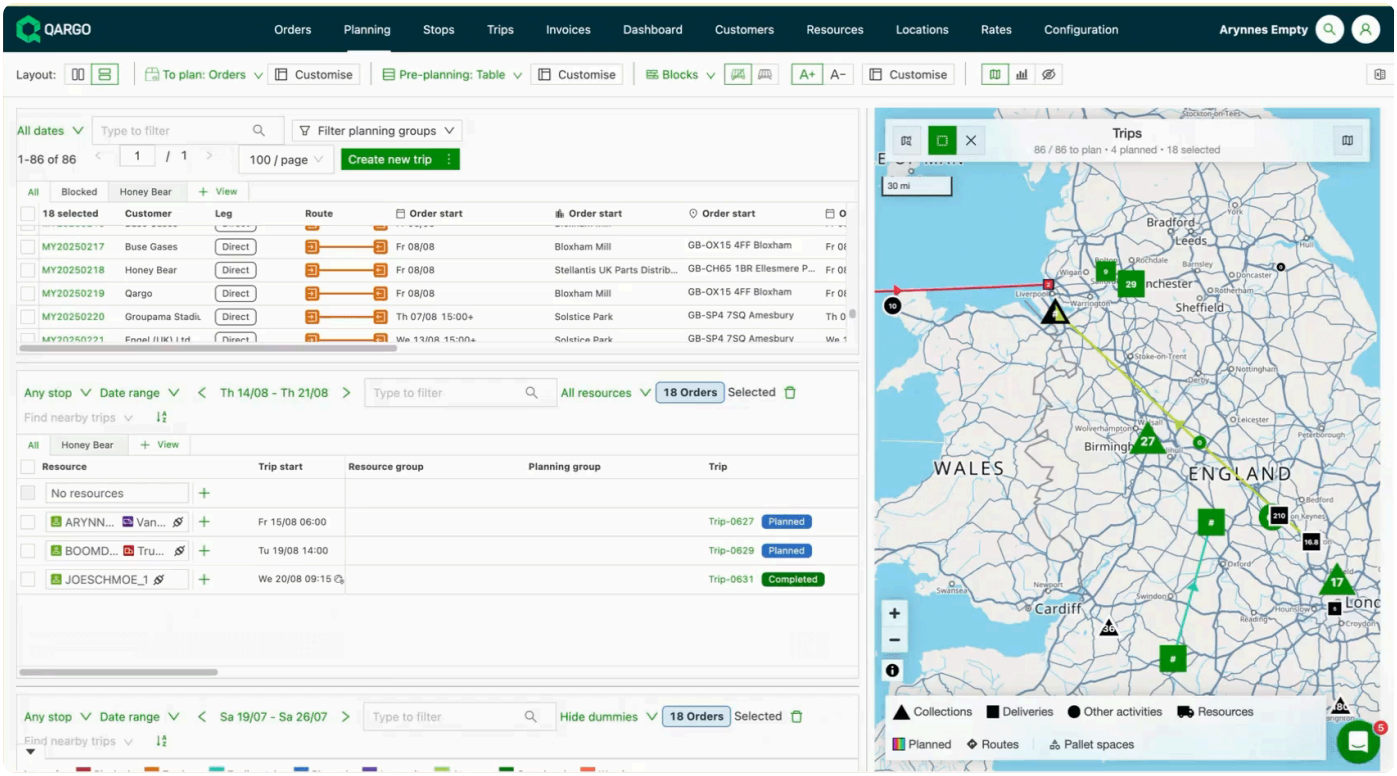
2. Stop marker enhancements

- **Marker sizes by metric**:
  - Users can configure stop marker sizes in the **legend**, based on:

    - Loading meters
    - Pallet spaces
    - Volume
    - Weight
  - Define thresholds for **small, medium, and large** markers.

- **Metric display**:
  - When size is based on **loading meters or pallet spaces**, the **numeric value** is shown on the marker.
  - Example: If the metric is **pallet spaces**, a stop with "10" pallet spaces shows **10** on the marker.
  - For **To plan stops**, the order's metric value is also shown.

- **Color usage**:
  - **To plan stops** → Black markers.
  - **Planned stops** → Marker in the color of their assigned route.



‼️ **Old status-based colors have been removed.** ‼️

Benefits of the update

- Improved **visual clarity** with better use of colors.
- Faster identification of **planned vs. unplanned stops**.
- Clear visibility of **vehicle assignments** to routes.
- **Customizable stop markers** that reflect operational metrics.