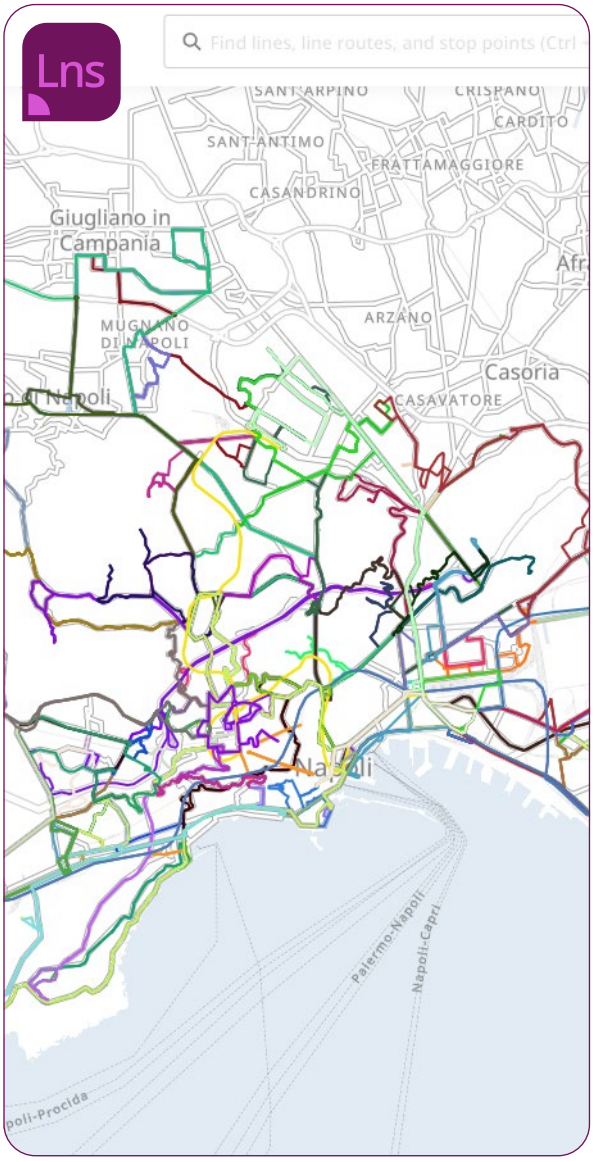


PTV Lines

Fully digitized
public transport network design
and timetable planning

PTV GROUP
part of Umovity

PTV Lines: Smart public transport service planning software



PTV Lines provides a fully digitized workflow for network design and timetable planning, whilst empowering you to easily create, duplicate, and compare different scenarios. The web-based tool empowers planners and operators to shape new and existing public transport routes, without requiring expert knowledge in complex planning tools.

User uploaded spatial socio-economic data such as workplace locations, population distribution, or school placements can be used for catchment area analysis or accessibility assessments.

PTV Lines and PTV Visum share the same algorithm and data format, complementing each other seamlessly. This ensures smooth integration and consistent results across transportation planning tasks.

Your benefits:

Simple and intuitive

Optimize your line planning easily, even without knowledge of complex public transport software

Reliable decisions based on facts

Understand the concrete effects of service changes before making decisions

Transparency in collaboration

Design public transport services together as a team and share results with stakeholders

Increase productivity and reduce errors

Sketch ideas quickly with a powerful and intuitive tool, streamline your workflow and boost productivity

Integration with PTV Visum

Export your PTV Lines projects and import them to PTV Visum for advanced public transport planning

No installation necessary

Work from anywhere: PTV Lines is cloud-based, easily scalable and self-updating

PTV Lines key functions:

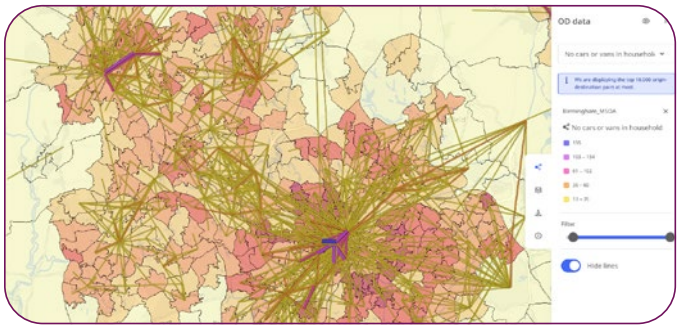
Scenario comparison

- Easily create variants of the routes. Simultaneously adjust the trips and network for optimal results
- See changes in production indicators and catchment area figures immediately when you change the scenario or compare several scenarios
- Compare up to 5 scenarios with each other at line level and export all indicators as .csv file



Demand & origin-destination data

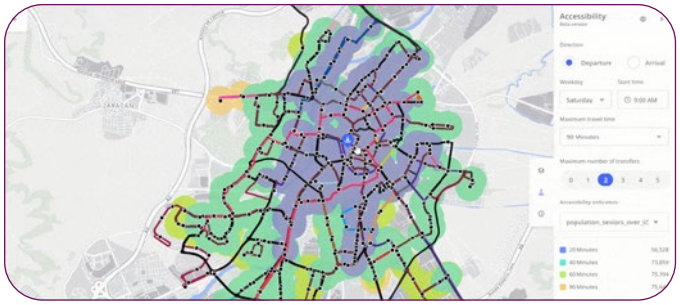
- Evaluate origin-destination pairs by visualizing them in the transit network
- Analyze assignment results, including passenger km/mi and time, derived from origin-destination data of your supply



Connection & accessibility analysis

- Assess the arrival time and transfer efficiency of different services at connected stops
- Identify and rectify redundant or irregular services for enhanced service reliability
- Isochrones as accessibility results show areas that are reachable from or to a specific point within a specific time window and with a specific number of transfers
- By overlaying workplaces, schools or other data, planners can obtain figures on how many people or workplaces can be covered by their services





A selection of satisfied PTV customers:

DEPARTMENT OF TRANSPORT

DB

European Commission

TRANSPORT FOR LONDON
EVERY JOURNEY MATTERS



Are you interested in a free trial of PTV Lines?

Our experts will be happy to provide you with detailed information and answer all your questions.

Common use cases for PTV Lines:

Demand analysis

- Use PTV Lines to compare passenger demand and origin-destination assignments with supply for cost-benefit analysis in public transport planning

Accessibility and catchment area analysis

- Assess how good people can reach places of employment and education, parks or other destinations with public transit
- Analyze reachability to workplaces, schools, and any user's background data within the catchment area of stops and lines

Service planning

- Design and modify bus routes, tram lines, and other transport systems. Whether starting from scratch or importing existing data
- Modify headways and trip time windows for optimized schedules and transfers between lines. Easily identify and fill scheduling gaps between services for seamless operations
- Sketch your ideas on a routable map

ptvgroup.com