

Control
Room

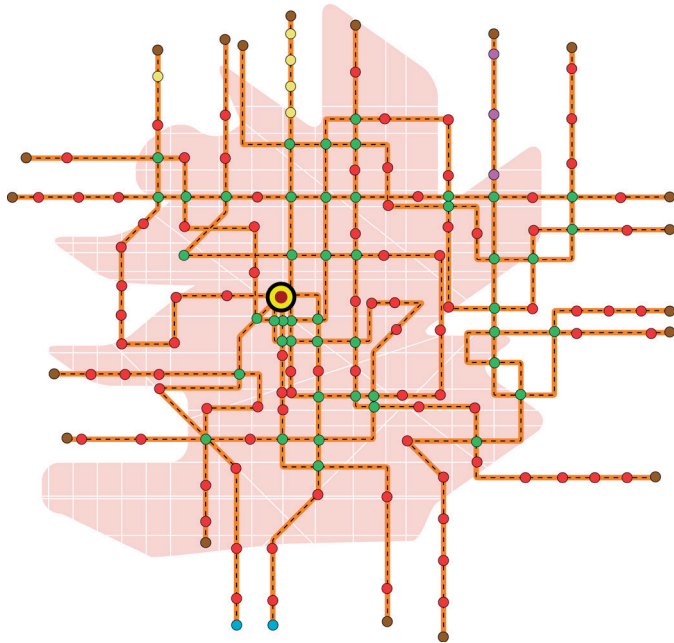
Network
& Service
Planning

Transport
Management

Traffic
Management



Network & Service Planning



Mobility services should be planned with ever increasing precision, integration and speed to guarantee the highest adherence to the new transportation needs, i.e. multi modality and dynamic offer. This is the reason why MOOVA N&PS provides integrated tools supporting the entire planning process: from Transport Network design to mobility services definition, from operating schedule management to resources distribution.

All the MOOVA N&PS parts share the same informations allowing quick feedbacks between different players (service planners, vehicles and crews managers, capacity supervisors). This is especially useful when requested service modifications arise due, for instance, to resources distribution problems which have to be shared between multiple players before being published.

With the Network Planning component we can build Transportation Networks, possibly mapping them upon Infrastructural Grids, we can determine their Lines and Points and design the Modal Exchange areas. The Service Planning component allows creating the service offer, both mono or multi modal, on different Lines, specifying their main features, such as

route types and quantity (by frequency, intervals or one time routes), services available on ground or on board, commercial velocity, etc.

The Operational Timetable component, coming from Service Planning output, completes the schedule including technical routes and transit hours in all the the operational points. Furthermore, it feeds the Vehicle and Crew Planning component which determines the essential resources for implementation of expected services.

In railway services, the Capacity Allocation component checks out the technical feasibility of requested services pinpointing possible interferences on the line or in station, and securing infrastructure access to each service by appropriate track assignment.