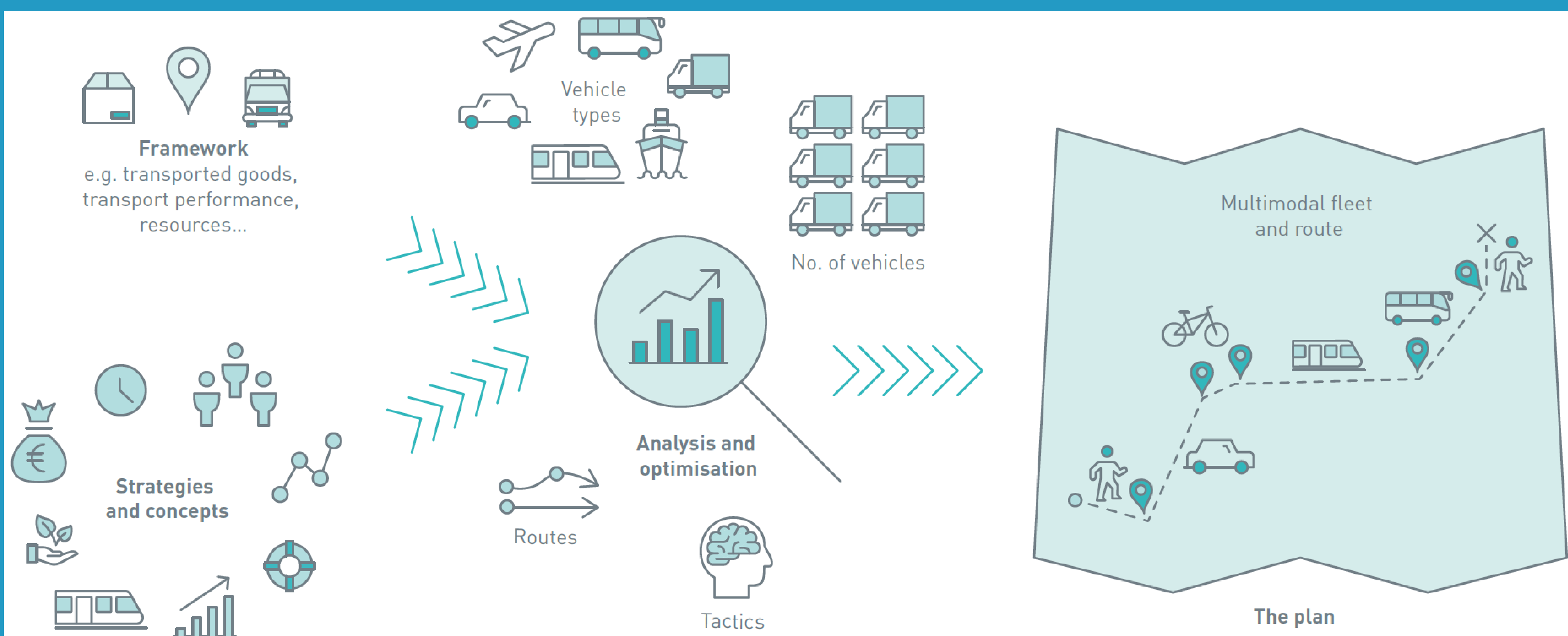


# Planning and optimisation of mobility solutions

## AIT Solutions, enabling MaaS

The design and implementation of Mobility as a Service (MaaS) needs decision support at different levels. By modelling influencing factors and simulating planning and operation strategies, our solutions are helping to design optimised MaaS.

Mobility is a fundamental core element of our society. At the Center for Mobility Systems, around 100 experts are developing holistic mobility solutions for the future based on the interrelation of passenger mobility, mobility of goods, and transport infrastructure. Efficiency, safety, ecological sustainability and the human factor are at the heart of the research and development efforts.



### DEVELOPING STRATEGIES AND CONCEPTS

In the three areas of transport logistics, fleet management and route planning, models are used to develop effective, environmentally friendly and economical concepts, to build strategies and to plan decisions.

### ANALYSIS AND OPTIMISATION

We analyse the upcoming decisions using optimisation methods. Suggested routes (shortest, fastest, most energy-efficient), vehicle types suitable for an application, potential transport restrictions or operational planning are determined. (strategic - tactical - operative)

### MAKING THE RIGHT DECISIONS

The models provide clear recommendations for route and fleet management and also consider unplanned incidents and events such as traffic jams or defective vehicles. We provide the most appropriate mathematical methods and tools for this purpose.

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