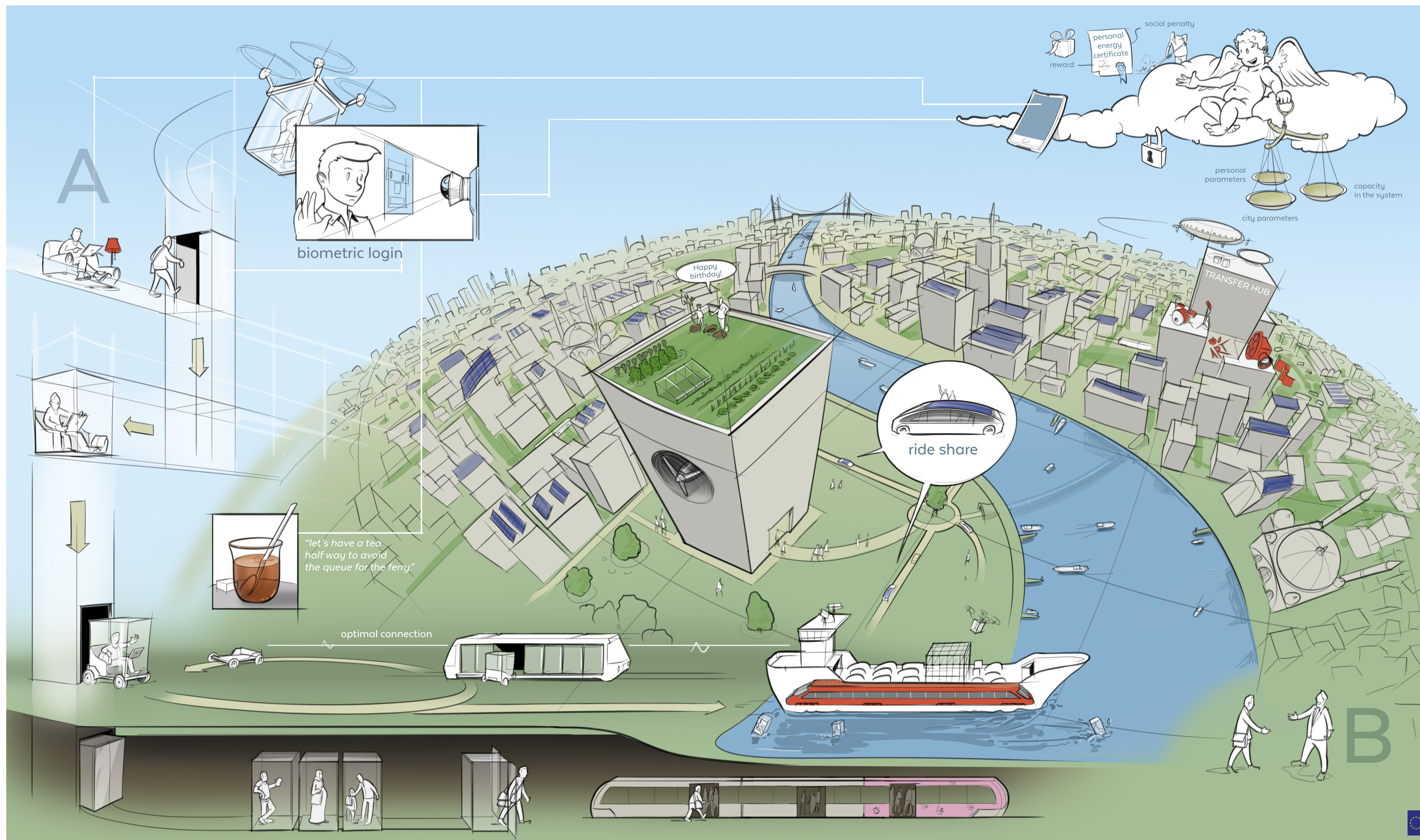


FULLY INTEGRATED, ACCESSIBLE & SUSTAINABLE MOBILITY IN ISTANBUL 2050

In 2050, a clean, green and healthy environment is valued by the citizens of Istanbul. Travellers appreciate the wide range of alternative routes and forms of transport. Public transport benefits everyone by providing good accessibility to all modes of transport. These are seamlessly integrated, providing a closely-knit network that reaches every part of the city while respecting its historical heritage.

Travellers choose sustainable and healthy options. Public transport provides a single route to people's destinations, without disruptions caused by changes between modes. Travellers value the availability of accurate, up-to-date and cross-modal information. This enables them to choose the best options as and when they need them, taking into account changing situations and transport availability.

The public transport systems use renewable energy resources.



Elements of the desired future scenario are:

A clean and green city

In 2050, Istanbul is a clean and green city. A whole new city concept has been created around emission-free and ecological buildings with green roofs and waste recycling. In green areas all over the city residents enjoy walking, cycling and (hobby and urban) gardening. Pedestrian tunnels and floating gardens connect the areas. Citizens are energy-aware; a tree is planted for each child's birthday. Energy efficiency and sustainability are monitored for continuous improvement.

Seamless transport and pleasureable travel experience

Istanbul has an integrated transport system that provides door-to-door service. Buses, trams, automated vehicles, taxis, shared cars and bikes are all integrated into one, easily accessible service. New modes of transport and innovative vehicles are also integrated, like autonomous vehicles in the air and on water. The integration of smaller units (personal or larger) into larger ones (ferries or trains) avoids transfers. Management is by an autonomous system.

'Public' transport provides a pleasurable and comfortable travel experience. The PRT (personal rapid transit) system allows people to travel in their own units, which are transformed into DRTs (demand response transit) with VIP services.

People can easily transfer between all vehicles at hubs. These are real experience centres, with shopping, cinemas, and theatres.

Personal travel assistant

Everyone has a virtual 'guardian angel' for personal travel advice wherever they are, free of charge. All the 'angels' are connected to the cloud for accurate, up-to-date, cross-modal information. They give warnings of storms or snowfall, help to cancel or postpone trips when needed, help in case of emergencies or prevent accidents by warnings. They balance capacity in the system, important city parameters (energy, air quality, etc.) and personal health parameters.

Privacy & security

People feel comfortable and safe, because only the 'angels' have access to personal data. In 2050, the transport systems in Istanbul are also perceived as secure. For example, the biometric information used to identify people at entry points is also used to identify suspicious persons and activities. Personal data banks have a virtual shield to ensure confidentiality and privacy, and guard against hacking.