

# Methodology to Forecast Travel Demand 2040



Image source: unsplash, I. Castiello d'Antonio

The Emirate of Dubai owns and manages a travel demand model – the Dubai Strategic Transport Model (DSTM). This macroscopic model provides forecasts of transport demand based on population and land use scenarios, planned road and public transport supply, and future transport policies. The objective of this project has been to specify the methodology for an update and enhancement of the DSTM which will be applied under the framework of the Strategic Transportation Plan 2040. This plan will develop transport policies and infrastructure plans for the year 2040. In this context, the enhanced model will produce mobility scenarios and support governmental decision making.

## Services Provided by MOVENTES:

- Review of the current DSTM
- Formulation of goals to enhance the current model based on RTA's needs and requirements
- Development of a new model architecture which fulfills goals and requirements
- Identification of data and survey requirements
- Specification and refinement of the methodology of model enhancement, including: future transportation modes, extension of the model area, a more detailed representation mobility
- Writing and editing of the report

## Contracting Entity

Government of Dubai,  
Road & Transport Authority (RTA)

## Lead Contractors

Zutari Engineering International Pty Ltd,  
PTV Group MENA Region

## Time Period

2023-2024

## Country

United Arab Emirates, Emirate of Dubai

## Contact

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