



COUNTRY
 RYAD - KSA
NAME OF CLIENT
 Dornier Consulting Company
SOURCE OF FUNDING
 Public Investment Fund PIF



February 2020 - June 2020

TRAFFIC IMPACT STUDY FOR KAFD-X AREA

DETAILED PROJECT DESCRIPTION

Located northeast of the interchange between King Fahd Road and the Northern Ring Road, the proposed new development (KAFD-X) may significantly impact the surrounding road network. A traffic impact study is therefore recommended prior to implementing the development to mitigate its effects on the surrounding area..

The main objectives of the project are to:

- Determine the optimal and maximum trip generation and attraction capacity for the KAFD-X development.
- Identify the most suitable type and scale of development to be planned.
- Update the traffic model and evaluate proposed mitigation measures and solutions to enhance access to and from the KAFD project.
- Assess the monorail within the KAFD site

SERVICES PROVIDED

- Analysis of the current situation and elaboration of a transport model for the internal and external zones using EMME tools.
- Calibration of the traffic model to reflect the current situation and traffic impact assessment of the future development.
- Traffic forecasts (of various transport modes including monorail) related to population and economic activities.
- Analysis of simulation results for future base case scenario and sensitivity tests using the adjusted traffic model.
- Recommendation of various mitigation measures to improve traffic circulation conditions on the network and some critical intersections and interchanges.

