

SUSTAINABLE MOBILITY IN A NEW CITY, BETWEEN PROGRAMMING AND REALIZATION

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Abstract

The new city of Sidi Abdellah had to be a real technological pole, a city open to world through a coherence between innovative urban planning and efficient, green and integrated transport systems promoting mobility that consumes less non-renewable energy and space. The objective of our research is to propose a mobility and transport plan for the new city of Sid Abdellah taking into consideration travel and public transport needs.

To meet our objective, we followed the following steps:

Step 1: Collection of data on transport networks and residents survey on travel demand and analysis.

Step 2: Development of Diagnosis.

Step 3: Establishment of solutions and intervention priorities (projects, measures, policies).

We have made an analysis of the public transport offer in the new city of Sidi Abdellah based on the level of public transportation service and coherence of public transport network (spatial connectivity, temporal connectivity and meshing), security of carriers and users at stops and stations.

For the analysis of mobility in VNSA, we conducted a survey on travel and transport among residents of the new city of Sidi Abdellah. We have introduced into the questionnaire trips by VTC and trips made by informal transport as well as the characteristics of trips by walking to reach public transport stops. The questionnaire was administered to a random sample

Two variants of the transport and mobility plan were developed:

Variant 1: a go with the flow: In this variant, which is based on the assumption of a continuation of trends with an increase in road traffic and an average speed will decrease due to traffic jams generating atmospheric pollution. As well as poor quality of public transport service.

Variant 2: Priority to alternative modes of transport and sustainable mobility: In this variant we must slow down the growth of motorization and increase use of alternative transport by measures promoting the use of public transport and soft mobility.

To develop sustainable mobility in the new city of Sidi Abdellah we propose following actions with a medium-term action program: Define a clear sustainable mobility policy, developing Urban Mobility Plan, restructuring of the standard bus network, improved readability of the current network, improve connectivity with train, improve use of soft modes of travel and creation of a shared mobility and traffic information platforms.

Keywords

New city, sustainable mobility, urban mobility plan.