

# Creation of an Urban Freight Logistics Action Plan

Stratagem /  
Limassol

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## IN BRIEF

Freight distribution is an increasingly important part of modern city life. Most goods consumed in our cities originate externally and the transport elements within the cities are often referred to as the “last mile” in the supply chain. For urban areas the last mile poses the greatest problems for the environment, customers/citizens and logistics service providers. Therefore, promoting alternative and sustainable strategies and solutions suitable to the urban environment is a critical aspect of urban transport planning.

### For whom is this article intended?

 This article can be used either to get into the topic or as a practical tool for urban planners.

 This article this measure in Limassol, the research, analysis and the main actions implemented.

## Overview: Limassol city centre Urban Freight Logistic Action Plan

The action introduces the creation of an Urban Freight Logistic Plan (SULP) for Limassol city centre. The objective of the Plan is to introduce innovative solutions regarding the traffic flow from the freight logistics, the efficient distribution of the goods, the environmental pollution and noise, hazards for the pedestrians due to freight logistic services and road disturbances. The plan evolves the city centre of Limassol and it changes the behaviour of the relevant stakeholders and key players.

### Working on Urban Freight Logistic Plan for Limassol

Challenges	Opportunities
<ul style="list-style-type: none"><li>• Traffic Congestion during peak hours</li><li>• Air and Noise Pollution</li></ul>	<ul style="list-style-type: none"><li>• Introduction of innovative solutions regarding the traffic flow from urban freight logistics, the efficient distribution of goods, the environmental pollution and noise, hazards for the pedestrians</li><li>• The development of an online platform for the efficient distribution of goods</li></ul>

## Replication Potential

### *How can you replicate this activity in your city?*

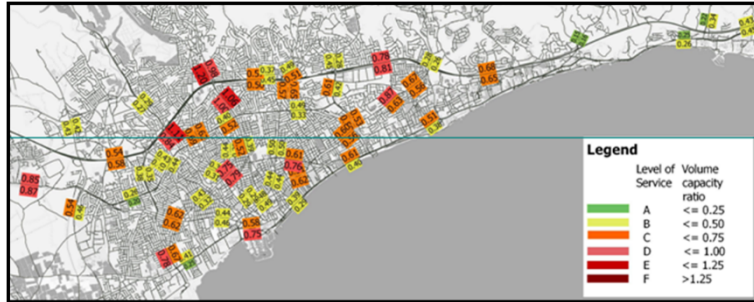
A study of the economic activities based on commerce, services and tourism sectors within the city centre should be carried out to include the tourist flow of the city area and the impacts of the freight traffic. Also, a logistics plan should be organised and an on-going access control system for mobility system should be implemented, where it includes the type of goods, area and time tables with limitations of transport and delivery.

## Traffic Congestion in the Study Area During the Day and Night

### Introduction

The vision for Limassol is to create a more sustainable, safer and greener city where both tourists and locals can enjoy their stay. At the moment, Limassol suffers from traffic congestion, poor air quality and noise pollution, road accidents and minimal use of sustainable modes of transportation including public transport, e-cars/e-bikes and walking.

Tourists are to enjoy their holidays without any risk as pedestrians and enjoy the city centre of Limassol with less traffic, reduced emissions and free sidewalks. Limassol is thus to become an even more attractive destination for tourists as freight services are to be greatly reduced in the city centre.



- Organisation of a logistics plan and implementation on-going access control system for mobility management. This includes type of goods, area and timetables with limitations.
- Development of an online platform to manage freight transportation key actors for more efficient freight distribution.
- Set up of forums with the participation of local stakeholders (Professional Association, Municipalities, Transport operators, local companies, etc) to define solutions for freight logistics.
- Examination of incentives and opportunities for transportation companies to renew their fleet.



The results of the urban freight logistics measures and plans will last after the end of the project. The awareness of people about efficient urban logistic services will change the environmental behaviour of stakeholders and key actors. Our aim is to evolve the city through evolving its own people.

### Research Analysis

The measures that have been implemented include:

- Study of the economic activities based on commerce, services and tourism sectors within the city centre. This includes the tourist flow of city area and the impacts of freight traffic.

## Progress Report

The development of an online platform for managing the freight transportation key actors for a more efficient freight distribution has been finalized during Spring 2020. This platform provides access control system for mobility management.

Also, the report of the Urban Freight Logistic Action Plan has been submitted in October 2019, based on the data and information gathered regarding traffic measurements of freight vehicles, CO<sub>2</sub> emissions and traffic noise of the study area.

As it can be observed in Table 1, measurements of CO<sub>2</sub> emissions in the study area showed that the values were significantly higher during the morning (3.80 tCO<sub>2</sub>). Also, the value of CO<sub>2</sub> emissions was higher in Gladstonos / Navarinou street, indicating that this street is very busy during the day, compared to the other two main streets of the study area.

**Table 1: Displays of CO<sub>2</sub> Emissions in the Study Area**

Area	Calculation of CO <sub>2</sub> Emissions	
	08:00 – 10:00 am	12:00 – 14:00 pm
Gladstonos / Navarinou street	1.81	1.58
Anexartisia Street	1.38	0.76
St. Andrew Street	0.61	0.47
<b>Total</b>	<b>3.80</b>	<b>2.81</b>

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### Contacts:

Nicole Mavrovounioti – Project Manager,  
Stratagem Ltd

Email: [info@stratagem.com.cy](mailto:info@stratagem.com.cy)

Version: 12/08/2020

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