

Berichttitel

BERICHTSUNTERTITEL

Name | Titel des Kurses | Datum

# Introduction

Traffic Control International inc. will revolutionize the traffic control market. By moving from selling physical traffic lights to selling services for already exiting traffic lights. This document gives an overview over the different specifications from the traffic control management system, that we sell. It gives an overview over the different functions and helps our developers to know exactly what to implement and what to look out for.

## Purpose

Traffic Control International Inc. (TLI) wants to develop a traffic lights management system for intersections. This project is about developing such software. The revolution in the traffic light market TLI is aiming for, lays using already in place equipment and implementing behaviour over multiple intersections.

## Scope

This project is about delivering a software to manage traffic lights at an intersection. All the possible sorts of traffic light present on an intersection, should get managed by the system. But its not part of the project to apply its functionalities to the intersection’s hardware. The Netherlands and Germany are the targeted markets for the system. Therefore, thy system should apply the traffic light logic of both countries. After this project is finished, the logic of other countries should get added. The system therefore needs to be extendable. Because of that maintenance is needed frequently. Therefore, the system should have the option to do that. The intersection consists of two different traffic light types. One for cars and one for pedestrians. Both should not be able to allow passing at the same time on the same lane. A lane should be able to determine how much traffic is there. So the intersection can adjust timing accordingly. The intersections should be able to communicate with each other to implement behaviour over multiple intersections. To lower the risk of accidents the intersections, the traffic should be failsafe. Crossings over two different lanes should be minimized to reduce the risk of accidents.

## References

## Overview

# Overall Description

## Product perspective

## Product functions

## Constraints

## Assumptions and Dependencies

Use Cases

|  |  |
| --- | --- |
| Name |  |
| Actor |  |
| Description |  |
| Precondition |  |
| Scenario |  |
| Exception |  |
| Result |  |