



Universidad Tecnológica Nacional

Facultad Regional Paraná

Inglés 1

2020



B&L SOLUTIONS

SMART TRAFFIC LIGHTS

About us...

- ▶ Engineers
- ▶ 27 years old
- ▶ UTM FRP
- ▶ We want to solve a common traffic problem

How the presentation is organized

Company Description

Markets and Services/Products

Company Organization

Company history

Project Development

Tour round the landmark

Problem Statement

Project Descriptions

Smart Traffic Lights



B&L Solutions

> **Company description**
Project development

Markets and Services/Products
> **Company organization**
Company history

COMPANY ORGANIZATION



COMPANY HISTORY

- ▶ **2015**: STL presentation as a final project.
- ▶ **2015**: **Approval** and **installation** of STL in “Cinco Esquinas”.
- ▶ **2016**: Born of **B&L Solutions**
- ▶ **2017**: Warehouse rent → Production of own traffic lights → **First employees**.
- ▶ **2018**: **Office** rent
- ▶ **2019**: Highest number of **sales**.
- ▶ **2019**: First company to **specialize** in traffic lights.
- ▶ **2020**: **More** services.

TOUR ROUND THE LANDMARK

- ▶ The project will be carried out in General Ramirez
- ▶ Entering the city is controlled by the police
- ▶ Entrance to the main avenue





PROBLEM STATEMENT

- ▶ Variable traffic
 - During the week: **heavy vehicles**
 - The weekend: **social life**
- ▶ Traffic light for pedestrians: **isn't effective**
- ▶ Pedestrians have to wait many minutes



PROBLEM STATEMENT

- ▶ **Imprudence** of pedestrians crossing the street when the traffic light is red.
- ▶ Heavy traffic **block** entrance of the city
- ▶ Drivers who **do not respect** the traffic signals

STAGE I

- ▶ Checking the tools
- ▶ Control of the public electrical connection
- ▶ Evaluation of workplace
 - The traffic light
 - Where install the sensors



STAGE II

- ▶ Study the movement of traffic
- ▶ Installation of signs
- ▶ Installation of sensors
- ▶ The status of traffic lights
 - If it is in good condition it is programmed
 - If it is in poor condition, it is restored or replaced
 - If there is no traffic light, a new one is installed





CONTINGENCY PLAN

- ▶ Stock of parts for traffic lights
- ▶ Request electrical connection

- ▶ Was **tested**: is effective
- ▶ Is **definitive** and **durable**
- ▶ We **keep** our systems in perfects conditions
- ▶ This method is **innovate**
- ▶ **Necessary** for social life



B&L Solutions

CONTACT US

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