

Company Presentation

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Company's name: **ChocoTech**

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1- Introduction to the Project

Good morning. Our names are Leandro Dolaz and José Topich. We are 20 and 21 years old respectively. We are from Colón, Entre Ríos, Argentina and we are electronics engineers graduated from the UTN of Paraná. We work for the **ChocoTech Company** which specializes on electronics services and products. We want to address the lack of illumination on Urquiza park. We are in charge of the Department of Technical and Technological Management. Our company's headquarters are located in CABA, Buenos Aires. We have branches around the country and one branch office is located in Entre Ríos, on the city of Paraná, at 2134 Francisco Ramírez Avenue. You can contact us via our phone number: 0343 431-5948.

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Our presentation is going to be organized as follows:

First, we are going to give you a general description of the company. Starting with the services and products we offer. We will then talk about how our company is organized and finish this section with our company history. On the next section we will discuss the project development, where we will give you a brief tour around the landmark. After that we will state the problem in question by giving you a description of certain scenes and analyzing the factors that give rise to the problem. Finally, we will give you a description of the project organized in two stages and a contingency plan.

2- Company Description

We'll begin by giving you a description of our company.

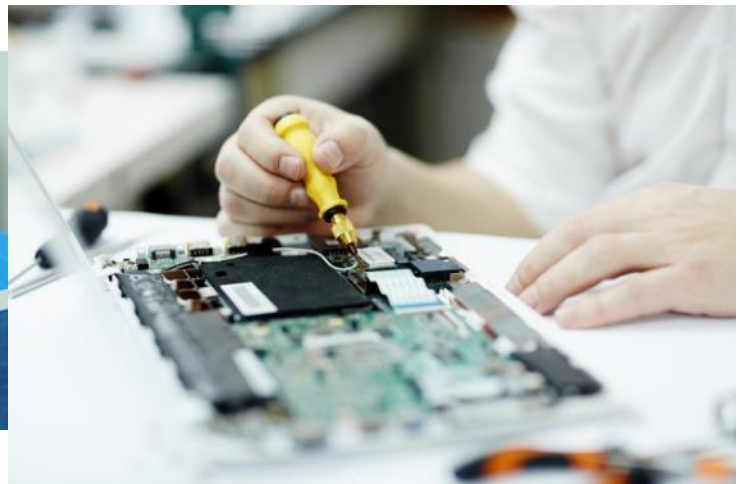
2.1- Markets and Services/Products

Services offered:

This company offers general electrical services such as:

Reading and interpretation of plans, diagrams and sketches of electrical elements and circuit diagrams.

Locating and installing a wide range of electrical equipment in order to guarantee an ecologically responsible and safe operation: Installing, altering, replacing, repairing and maintaining electronic components and electrical distribution.



Products offered:

We also offer low-price electrical products such as:

LED illumination, electric conductors, various types of switches, circuit breakers and electronic devices in general.

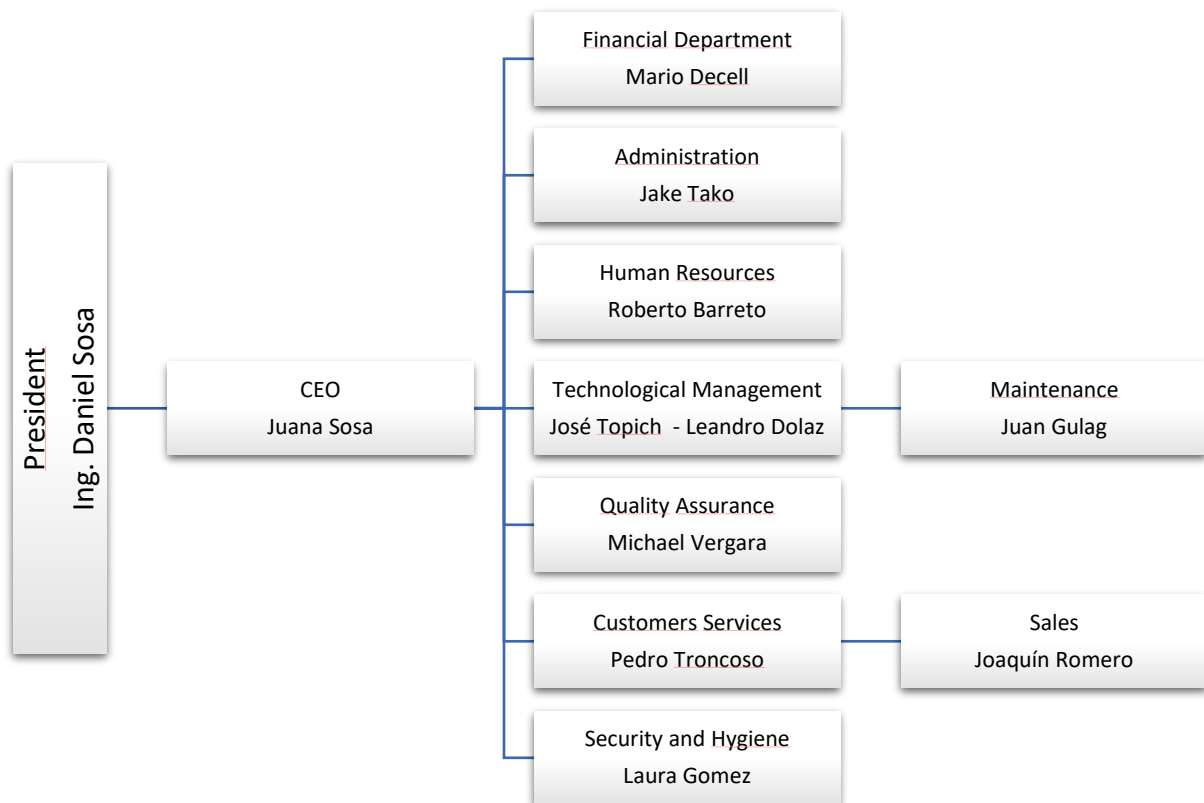


Clients:

We offer our services/products to individual clients and public/private organizations.

2.2- Company Organization

Now it's time to talk about how our company is organized.



President:

Ing. Daniel Sosa is the company president. He is the head of the company and the legal representative for the company in all business-related deals with other entities.

Chief Executive Officer (CEO):

Mrs. Juana Sosa is the CEO of our company. She is in charge of making major decisions for the company. She is responsible for carrying out the policies of the company. She makes reports to inform the president about the company's development.

Financial Department:

Mario Decell runs the Financial Department. The Financial Department has the function of dealing with the financial responsibilities of a company. Its main function is to make the payments to which the company itself is obliged, as well as the management of the items of expenses and income that it has.

Administration:

Jake Tako runs the Administration Department. This department's job is to administer and manage the use of the assets of the company, ensuring its correct use, as well as, manage and process the documentation that enters and leaves the company.

Human Resources:

Roberto Barreto runs the Human Resources Department. This department is responsible for the selection and hiring of the ideal personnel for each vacant job position and the maintenance of a workforce with possibilities and comforts, with respect and tolerance.

Technical and Technological Management:

José Topich and Leandro Dolaz are in charge of this department. Technological Management is the set of knowledge and activities capable of generating value through effective technological use allowing for more effective production and administration in the execution of its tasks and therefore increase organizational competitiveness in the market.

Maintenance Department:

Juan Gulag runs the Maintenance Department. This department derives from the Technological Management Department. The Maintenance Department has to ensure four basic objectives: availability, reliability, useful life and cost. It is responsible for ensuring the preventive and predictive maintenance plan of all the company's facilities, ensuring its correct operation and trying to achieve the absence of unplanned shutdowns. It is responsible for the continuous improvement of methods and procedures.

Quality Assurance Department:

Michael Vergara runs the QA Department. This department controls that the products work as is intended by putting them through certain tests designed to make sure that our standards are met.

Customer Services:

Pedro Troncoso is the head of the Customer Services Department. The employees working at this department are responsible for providing users with information and support regarding the products or services that the company offers. In addition, they are in charge of channeling complaints, claims and suggestions.

Sales:

Joaquín Romero is head of this department. This Department is a branch of the Customer Services Department. The Sales Department is in charge of the distribution and sale of the products and to monitor the different routes of vendors day by day to guarantee full coverage and supply to the commercial premises.

Security and Hygiene:

Laura Gomez oversees this department. The Security and Hygiene Department allows us to keep workplaces fit, safe and reliable. Its purpose is to contribute to the fulfillment of the workers' functions, safeguarding their health and safety.

2.3- Company History

Next, I'll tell you about the history of the company.



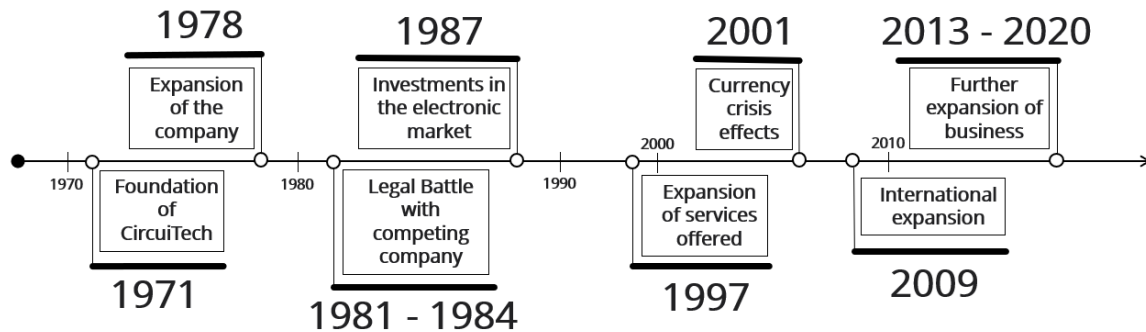
ChocoTech is one of the main companies of services and electronic products in Argentina. The company was founded in November 1971 by our current president, the Ing. D. Sosa, a graduate student of Electric Engineering in Buenos Aires, Argentina, by the name CircuiTech.

7 years later, the company expanded inside the province and generated enough resources to expand to Entre Ríos and Santa Fe. After this the company had its first legal battle with a rival company named CircuiTaco, for using part of their name in their branding, the company settled by changing the name to ChocoTech. In the next years the company started investing in the electronics market, hiring experts in the subject, eventually becoming a big part of the company's income.

Around the year 1997, we hired specialist in informatics services to expand our services offered. 4 years after that, it suffered from the currency crisis leaving hundreds of workers unemployed and having to close several branches. We were able to recover with the help of the government of Nestor Kirchner, which helped us to continue our inversions. In the year 2009 we expanded to Uruguay.

From 2013 to the present day, we kept acquiring new resources and expanding our business.

Timeline



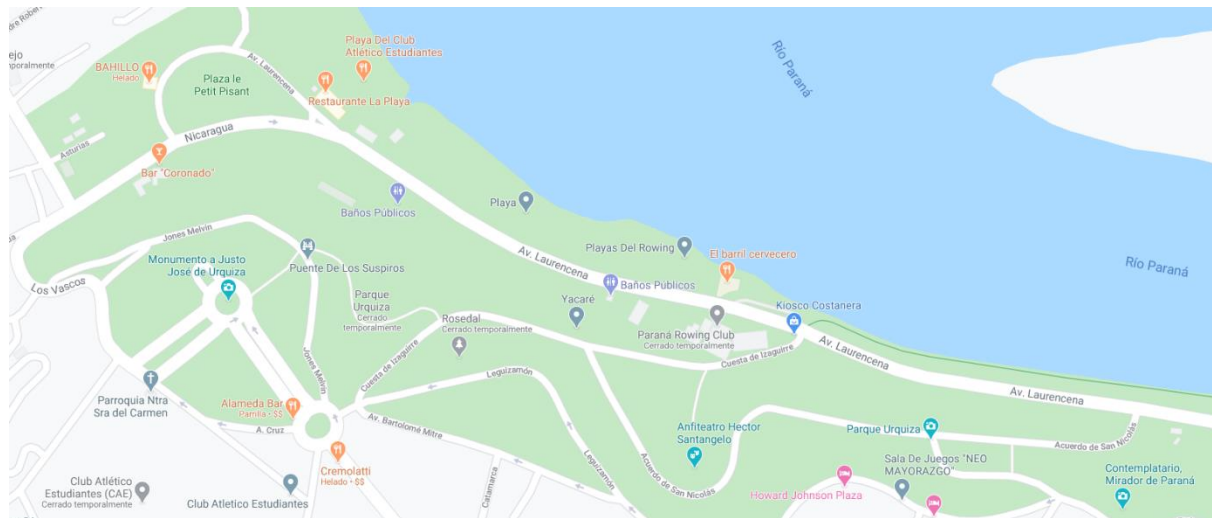
3- Project Development

We'll now talk about the development of the project.

3.1- Tour round the landmark

Let me give you a tour around the landmark first.





In these images we can see the Urquiza Park from above. We start our tour at the left side of the picture, at the Urquiza Monument. As we start walking through the park, we can appreciate the variety of vegetation present around the way.



Eventually we will reach the “Puente de los Suspiros”, which has a street below it. Before the bridge we can see a sign that has a poem about the bridge written on it. It also has trees along the sides as we can see in the image provided. If we keep along the same path we will reach a viewpoint.



Here we can see the low part of the park with its set of stairs along the path, the rainwater canals, which serve as a prevention for flooding and we can also spot Paraná River in the background.

Going down we reach the waterfront and the exit to the park.

These images were obtained through Google Images and Google Street View.

3.2- Problem statement

Now, let's discuss the problem.

3.2.1- Description of the scenes that help picture the problem

I'll now give you a description of certain images in order to illustrate the problem.

Imagine that you walk or want to stay in the park at night and you must cross sectors like the ones in the pictures





In the photos we can see a lot of vegetation, seats, paths, stairs, beautiful landscapes, a nice place to spend time, but we can also see that there isn't much lighting in all the areas in the pictures.

In these circumstances, it is dangerous to walk/be in the park at night, especially with all the sets of stairs, like we see in the pictures.

Another problem is that people can't appreciate the beautiful landscapes that the park has to offer.

There is also the insecurity aspect of walking through these areas at night.

3.2.2- Analysis of the factors that give rise to the problem

Now let's talk about the factors that contribute to the problem.

The main problem with the lack of lighting in these areas is that at night it can be dangerous to walk through the park, especially, through all the sets of stairs.

Lighting is present in the park. However, the distribution of these lights is not optimal which is why there are so many sectors that lack the necessary lighting.

The lighting present in the park is also very inefficient due to it being composed mostly old types of luminary devices.

The Trees and other vegetation also block external lighting off the park, including the moonlight.

3.3- Project description

Finally, we'll discuss the project itself.

3.3.1- Stage I

We'll start with the first stage of the project.

We will start by going to the park to take photos, measuring and all the needed parameters to start working on the blueprints. Then, we are going to begin working on the blueprints in which we detail information such as: places were to set the new lighting on, what type of lights we should use and how many we need. Once we have that ready, we can calculate the budget and send that information to the client.

3.3.2- Stage II

Now, we move on to the second stage.

Once stage I of the project has been approved, we can start with the practical side of it.

We start by digging holes for the columns that will hold the lights, setting the steel columns in place and filling the space around the columns with cement. We must wait a few days for the cement to dry, for this reason, we will need to close the area with iron mesh.

This duty requires two employees per column and requires the use of shovels and a cement mixer. The columns and light utilized are manufactured by our company.

After the columns are stable enough, we do the wiring needed to get electricity to the columns, for which we request a permit to the local electricity provider. Then we set the LED lights on the columns and test for errors with a safe line, which does not affect the rest of the park electrical circuit.

Once we are sure there is no problems with the installation the project is finally complete.

We estimate the project will take about two weeks and will require a minimum of 22 employees.

3.3.3- Contingency Plan

We'll now talk about our contingency plan.

In the case that there is a problem during the electrical wiring, such as rains. We will ensure the safety of the people and of the products by isolating all possible threats.

In the case that the installation suffers attacks of vandalism or theft during the off-work hours, our company will offer a significant discount on replacement parts.

The materials we use on this project are all provided by the company itself, if there is a shortage in materials, we will postpone the project until we solve it.

4- Conclusion

Finally, I'll talk to you about why this project should be carried out and why we are the best choice for the job.

Once the project is finalized the park will have proper lighting which will benefit the experience of the people who decide to visit it and it will be a much safer and prettier place to visit at late hours, improving not only the experience of the citizens but also that of the tourists.

We believe we are the best choice for this type of work in the country due to our history and experience working in this type of environments.