



# Study of the benefits and applications of LEO (Low Earth Orbit) for Communications and definition of space new business models: OneWeb case

Document:

Budget

Author:

Paula Juan Garcia

Supervisor / Co-supervisor:

Silvia Rodriguez Donaire / Daniel Garcia Almiñana

Degree:

Bachelor's degree in industrial technology engineering

Examination session:

Fall, 2021.

**BACHELOR FINAL THESIS**



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH

Escola Superior d'Enginyeries Industrial,  
Aeroespacial i Audiovisual de Terrassa

---

**BUDGET: "Study of the benefits and  
applications of LEO (Low Earth Orbit) Platform  
complementarities for space business model:  
OneWeb case"**

Paula Juan Garcia

---

**Director:**

Rodriguez Donaire, Silvia

**Co-Director:**

Garcia Almiñana, Daniel

**Bachelor's Degree Thesis in Industrial Technologies Engineering**  
Escola Superior d'Enginyeries Industrial, Aeroespacial i Audiovisual de Terrassa  
Universitat Politècnica de Catalunya

13<sup>th</sup> January, 2022

# Chapter 1

## Budget

This document details the costs associated with the completion of the project. Basically, such costs are given by the working time invested by the engineer. Therefore, as can be seen in the following table 1.1, the time invested has been structured for each chapter. It should be noted that the cost considered per hour is the cost that any organization should have paid for this work, carried out by an undergraduate engineer, including both the electricity consumed during those hours and the engineer's labor.

	<b>Time dedicated [h]</b>	<b>Price per hour [€/h]</b>	<b>Cost [€]</b>
<b>1. Introduction</b>	15	25	375
<b>2. Background</b>	30	25	750
<b>3. State of the art</b>	40	25	1000
<b>4. Case study</b>	65	25	1625
<b>5. Business Model CANVAS</b>	50	25	1250
<b>6. SWOT Analysis</b>	25	25	625
<b>7. Risk Analysis</b>	40	25	1000
<b>8. Environmental Impact</b>	30	25	750
<b>9. Conclusions</b>	8	25	200
<b>TOTAL</b>	<b>303</b>	<b>25</b>	<b>7575</b>

Figure 1.1: Cost associated with the development of the project