



MASTER'S IN AEROSPACE ENGINEERING

Master Thesis

STUDY OF THE AFC TECHNOLOGY DEVELOPMENT: A CASE STUDY APPLICATION IN THE AERONAUTICAL INDUSTRY

Budget

Student:

Oscar Macía Fernández

Director:

Silvia Rodríguez Donaire

Co-Director:

Daniel García Almiñana

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1 INTRODUCTION

In this section, it will be determined the total cost of designing, developing and presenting this thesis. To make the cost clearer, the variable costs will be divided into hours of investigation and hours of documentation development dedicated, and regarding the fixed costs, they will be divided into the Microsoft Office license and finally the total transport costs for moving from Barcelona to UPC in Terrassa (ESEIAAT) will be considered. It should be noted that this transport has been carried out in a private vehicle. It is also important to remark that the estimation of costs has been based on the average price of each topic, on the current price of obtaining the different licenses and on the price of current gasoline, considering an average consumption of 7 litres per 100 kilometres.

2 COSTS

In Table 1 the unitary price per item is presented, so as to identify the required investment for each of them, along with the total hours spent in each activity, the number of licenses required per each software and the number of trips done to Terrassa during the thesis development.

Item	Hours/ Units /Trips	Unitary price [€]
Hours of investigation	250	35
Hours of documentation development	100	20
One-year Office license	1	70
Transport cost	7	7,15

Table 1. Cost per item

3 BUDGET

Finally, the sum of all topics considered in the costs' table are presented in next table.

Item	Price [€]
Hours of investigation	8,750
Hours of documentation development	2,000
One-year Office license	70
Transport cost	50
TOTAL	10,870

Table 2. Thesis development budget