



**UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH**

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

Titulació:

Màster Universitari en Enginyeria Aeronàutica

Alumne:

Néstor Navalón Martín

Enunciat TFG/TFM:

Study of the Sustainability of a Permanent Martian Outpost

Director/a del TFM:

Ignacio Casanova Hormaechea

Codirector/a del TFM:

Miquel Sureda Anfres

Convocatòria de lliurement del TFM:

Abril 2019

Contingut d'aquest volum: **BUDGET**

ESEIAAT

Treball de Fi de Màster



Study of the Sustainability of a Permanent Martian Outpost

STUDENT: Néstor Navalón Martín

DIRECTOR: Ignacio Casanova Hormaechea

CO-DIRECTOR: Miquel Sureda Anfres

DELIVERY DATE: 20/04/2019

Budget

The main costs involved in the execution of this project are the direct costs associated to engineering work.

These can be computed as:

$$DC = \frac{\textit{salary}}{\textit{hour}} \cdot \textit{hours of work} \quad (1)$$

Being the salary per hour for a novel engineer approximately 20 €. The hours of work are corresponding to 12 ECTS credits, 300 hours.

Indirect costs are low, as the main tool is the computer and the required software is under academic license.

Table 1: Budget

<i>Direct costs</i>	6,000 €
<i>Indirect costs</i>	200 €
TOTAL	6,200 €