Xplore Research - Proposal Document

*EPFL Xplore*



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| **PAGE TO BE REMOVED WHEN THE DOCUMENT IS FINISHED**  **Template Instructions:**  This page and all the template fields should be removed in your final version of the document.  **You can modify this template and e.g. improve its graphical appearance, create beautiful graphs, etc.**    **Objective:**  The objective of this document is to give the opportunity to any group of students to propose a research project related to the space industry that would be done in the Xplore Research (XRE) Pole. The document is structured in multiple sections. Each one must be filled according to its requirements, stated at the beginning in **BLUE**. At the end, you can remove these blue lines.  **Document requirements:**   1. First page: Team name, project name. 2. Format: A4, searchable PDF 3. Length: max 20 pages (including cover page) 4. Language: English 5. Appendices: No 6. Minimum font size to be used is 10, margins shall be at least 2.54 cm (or 1 inch) from all edges of the page (‘Normal’ in MS Word)   **Submission:**  The document has to be submitted on the Xplore Research Project Proposal Form located on the EPFL Xplore Website. |
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1. Team Members

In this section, please provide a complete list of the students that will be involved in the project. In addition, please provide a small paragraph describing the team members. Finally, in the final submission form (so not on this document), the team should provide formal CVs of each team member.

| List of people involved in the project | | | |
| --- | --- | --- | --- |
| Personne Full Name | Aucun type EPFL e-mail | Aucun type EPFL Section | Aucun type EPFL Semester |
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1. Abstract

In this section, you are asked to provide (around 1000 words) an abstract of your project. This abstract **should** contain the following elements

* A description of the project
* From which challenges this project comes (and related to the space industry)? Why would you tackle this project? This is the context of the project.
* Expected outcomes: what will be built? What do you expect as results?

This part is the pitch of the project, where people of EPFL Xplore will read carefully and evaluate first.

1. Project Description

In this section, you are asked to describe the technical details of your project. Technologies involved, safety considerations, materials, etc need to be explained. Think of this section as the technical report, explaining all the complicated stuff about your project. In addition, the expected outcomes of your project have to be highlighted with more details than the abstract.

1. Timelines & Preliminary Work Plan

In this section you are asked to show how you would complete the project with respect to your requirements, especially the time and milestones. We expect timelines of your milestones for the project to be described in a detailed manner, considering issues like breaking parts of your design or technical difficulties to realize your components.

The milestones should follow the following structure per semester: Preliminary Design Review, Prototype Fabrication, Integration Test, Final Demonstration. You can make your own style for the templates.

1. Estimated Resource & Budget Breakdown

In this section, you are asked to provide a first draft of your budget plan, highlighting the material that would be bought or built by the team. EPFL Xplore has to know what is the overall cost of starting your project before it starts.

We also want you to highlight companies that would be interested to participate in the project, either by financing materials or with money directly. This part is not to be neglected as projects tend to be highly related to money and funds in general.