

Introduction

IMAGE OF FULL SYSTEM CAD MODEL

In order to store the nucleo boards and the Nvidia processor, a system needs to be designed. This will have to be able to accommodate the PCBs so that the cables can properly reach each of the components. For this first design of the rover, 4 nucleo boards are needed and 1 Nvidia processor. Because of the space for storage, a total of 8 slots were created for the regular sized PCBs, (nucleo boards), and one for the larger Nvidia board. This are stored inside the housing, thanks to a sliding mechanism that allows storing the boards in 2 different levels to better optimize the space, and allow for cables to pass through.

Revision #1

Created 2026-07-28 21:46:38 UTC by Adriana Gea Gonzalez

Updated 2026-07-28 21:47:38 UTC by Adriana Gea Gonzalez