

Team WFP Extreme Statement

Our Motivation and Approach

Our motivation for participating in Project Hyperion came from a desire to take on the complex and fascinating challenge of designing a civilization capable of surviving and thriving in the unique conditions of interstellar travel. (For us, it was also a rare opportunity to compete and measure our skills against professionals — something we do not often get to experience as students) *maybe this is to be removed ;)*. From the very beginning, we knew we could not predict every possible scenario for such a long-term mission. This is where the concept of self-actualization emerged, which became the guiding theme for our project — creating a living environment where future inhabitants would have the freedom and tools to solve problems, adapt, and shape their own lives. We wanted to avoid simply recreating Earth's conditions, understanding that people born on the ship or later on a new planet might never know Earth at all. For them, the spacecraft — and eventually, the planet's natural ecosystems — should feel like their true home.

Another significant challenge was meeting the competition's TRL2 requirement, which pushed us to focus on early-stage but technically plausible solutions. While this limited some of our creative ideas, it also made the project more realistic and feasible. We deliberately kept the scale of the ship and its living spaces minimal, while still ensuring comfort, safety, and adaptability. Our calculations for size, structure, mass, and energy — although general — were intended to place our design within the realm of possibility rather than pure science fiction. In the end, we believe our concept balances a human-centered vision with practical engineering, offering a glimpse of interstellar life that is both inspiring and grounded in reality.