

“The HAIV” - an emergency defence solution against asteroids and comets

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- **Why did we start the EADP project?**

Earth has been strike constantly during millions of years by asteroids and comets. About 65 million years ago the dinosaurs along with 75% of life on Earth was extinguish due to a global cataclysm caused by an asteroid. Now as many million years later there is an emergency defence solution studied and developed by Prof. Bong Wie and the ARDC at the Iowa State University. Even so, there is still at this moment no emergency solution towards asteroids and comets in short term warning existent and available in case of any sudden threat.

We at EADP considered this our challenge. We believe that an emergency solution against asteroids and comets threats is not only needed but highly critical. Our biggest concern is attaining our goal of making available a net of HAIVs worldwide ready to launch if humanity’s survival is suddenly threaten.

- **A short history behind the EADP**

The brains behind this challenging project, is a 30-year old entrepreneur with a bright mind and a solid desire to leave a series of positive footprints in the world. Søren O. Ekelund is a mechanical engineer, autodidact software developer and electronics technician, who is also the proud owner of a handful of companies in a respectable yet rare mix of business and philanthropy. The idea of a world emergency defence towards asteroid threat is not something recent, in fact it has been a topic Søren has had in mind for quite a few years but has left it aside due to his diverse small business demands in time and dedication. Søren started the EADP by hiring a team of two very dedicated, young and bright members to help ensure the success of the project. Nowadays, the EADP counts with a crew of 5 full-time employees along with other diverse people who are constantly collaborating to make this project a reality.

- **Why is the EADP important?**

Despite the fact that Earth is constantly threatened by many asteroids and comets, still we have no available solution if any short term threat could unexpectedly occur. We at the EADP are committed to change that situation as soon as possible.

Hence, we think this case is global and therefore we are looking to receive everyone’s support in this endeavor. The need of a project such as this requires global unity across boundaries and we at EADP have designed a plan of action distributed in three well defined phases. These phases are intended to draw public’s attention towards the imminent asteroid threat and receive donations which will be aimed towards a Technical Design Study for a consequently detailed construction, timeline and cost plans for developing, testing and providing the use of Earth future HAIVs.

- **What is the HAIV?**

The HAIV system is a two-body space vehicle consisting of a fore body (LEADER) and an aft body (FOLLOWER). The LEADER spacecraft creates a kinetic-impact crater for the FOLLOWER spacecraft, carrying a NED, to make a more effective explosion below the surface of the target asteroid body.

Our mission is to provide the HAIV technology as well as implement it, to allow an efficient asteroid and comet interception. However, we will not be providing the NED nor launching the vehicle. Our mere priority is making the HAIV available worldwide to be used in emergency situations where any other method are no longer viable.