

Asterwatt

Investor Overview

Ilyas, Founder / asterwatt.com / September 2026

We plan to design, mass-produce and operate AI data centers in orbit. Our target customers are frontier AI labs and hyperscalers. We will start with inference: running AI models that have already been trained.

The opportunity

AI growth is putting pressure on power supply and grid connections. The IEA projects global data center electricity use to rise from 485 TWh in 2025 to 950 TWh in 2030. [1]

The product

An Asterwatt module would combine AI chips, solar power, radiators and communications. Customers would send a model and input data, run a job, and receive the results. The first module will focus on batch workloads that fit its hardware and can tolerate scheduled data transfers.

The business

We plan to own the infrastructure and sell compute capacity. Paid pilots would support validation. Commercial modules would serve reserved-capacity contracts. We aim to make the design repeatable so that each generation can improve useful compute per kilogram and production cost.

The first development phase

The proposed 18-month program covers the core team, a ground prototype, qualification and a first orbital test. The mission goal is to complete an inference job and measure power, heat and reliability. Flight timing depends on test results, approvals and launch or hosting availability.

The founder and the round

Ilyas brings more than 10 years of critical IT operations experience in financial markets, a background in mechanics and electromechanics, IT and systems engineering education, and an MBA. The first hires will add space systems, thermal engineering and embedded software expertise.

We are seeking pre-seed capital to fund this work, including founder compensation. The round size will follow the staffing budget and supplier quotes. Asterwatt is at the concept and planning stage. Customer commitments and module economics remain to be validated.

[1] IEA, [Key Questions on Energy and AI](#), April 2026