

AIKO

> Products

Ground Facilities and GSE's / Guidance Navigation & Control /
Payload / Platform / Space Systems

> Processes

Design / SW/HW development

> Other key sectors

ICT

> More about AIKO

AIKO **research-centered, innovative and futuristic** mission: developing algorithms infused with Artificial Intelligence, to **increase the autonomy** of current space missions.

Artificial Intelligence has entered a new period of scientific relevance.

It's time to leap from the traditional, rigid, Earth-bound space systems to **autonomous, sentient ones**. Scientific data must be prioritized, telemetry data must be interpreted with improved accuracy, failures must be mitigated, design must be optimized.

AI-based algorithms not only offer **increased performances** with respect to traditional architectures, but are an **enabling technology** for advanced mission concepts. Main Product: MiRAGE is an innovative software library to enable fully autonomous space missions, making use of state of the art Artificial Intelligence and is the result of years of research in Mission Autonomy. The library has been co-funded by the H2020 program SME Instrument.

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