

Suite dreams are made of this...

AI-POWERED SOLUTIONS FOR A SIMPLE AUTOMATION **OF SPACE** OPERATIONS.

FIRST EUROPEAN COMPANY TO DEMONSTRATE DEEP LEARNING ALGORITHMS IN ORBIT.





Trusted by

















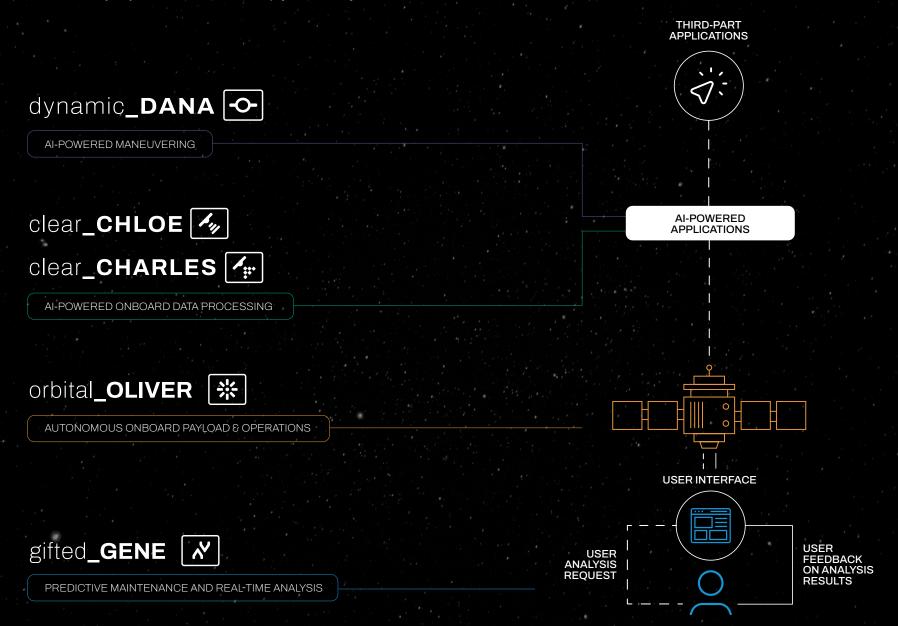








Introducing the AIKO SUITE, a comprehensive and integrated ecosystem designed to empower autonomy in your infrastructure. **Simply and safely.**



INFINITE WAYS TO AUTONOMY



AUTONOMOUS

SATELLITE OPERATIONS
SATELLITE SYSTEMS
PROACTIVE DECISIONS

OPTIMAL CONSTELLATION MANAGEMENT

SATELLITE PREDICTIVE MAINTENANCE







ONBOARD

EO DATA OPTIMISATION

IN ORBIT SERVICING & COLLISION AVOIDANCE



The AIKO SUITE offers autonomy across various purposes and fields of action. It is adoptable by MCC (Mission Control Centers), operators, and manufacturers, thanks to its high adaptability to both technical requirements and customization needs.



Nice to meet you i'm gifted_GENE

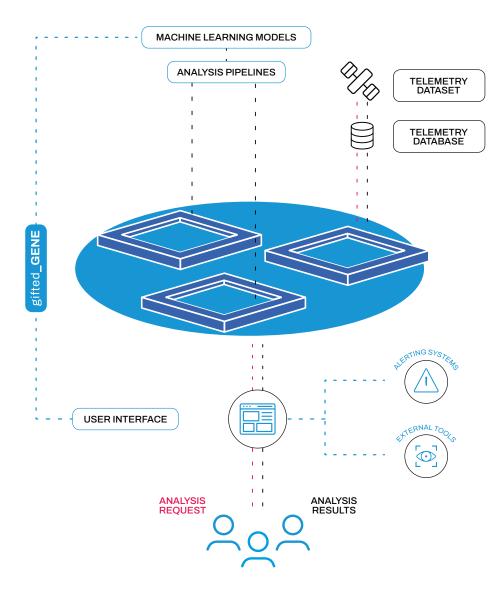




AIKO SUITE — gifted_GENE

THE SIMPLE, COLLABORATIVE PLATFORM TO EXTEND THE LIFETIME OF YOUR SATELLITES.

Tailored for mission operators, gifted_**GENE** is a collaborative platform capable of analysing vast amounts of telemetry data. **Thanks to its AI-powered core,** gifted_**GENE** enables predictive maintenance in the mission control centre, identifying trends and anomalies days in advance.



AIKO SUITE — gifted GENE

ONE PLATFORM FOR CONSTANT AWARENESS, AT ANY SCALE.

TELEMETRY STREAMS CORRELATION

gifted_**GENE** analyses all your streams within seconds, comprehending the behavior of each satellite's component and monitoring the status of the entire system.

EARLY ANOMALIES DETECTION

Thanks to its AI-powered core, gifted_**GENE** compares historical and real-time data, and predicts possible anomalies on average 4 days in advance, with certain predictions recorded even two months in advance.

SERVICE DOWNTIME REDUCTION

By preventing critical failures, gifted_**GENE** reduces downtime of your satellites, prolonging the lifespan of your mission.

PREDICTIVE MAINTENANCE	
ENHANCE EFFICIENCY 150%	more anomalies detected vs traditional routines
REDUCED RISK OF SHUTDOWN	Shutdown risk reduced by 65%
AVOID HUMAN ERRORS	

REDUCED DOWNTIME ______ Downtime reduced by 50%.





Nice to meet you, i'm orbital_OLIVER

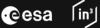
Trusted by







Sponsored by



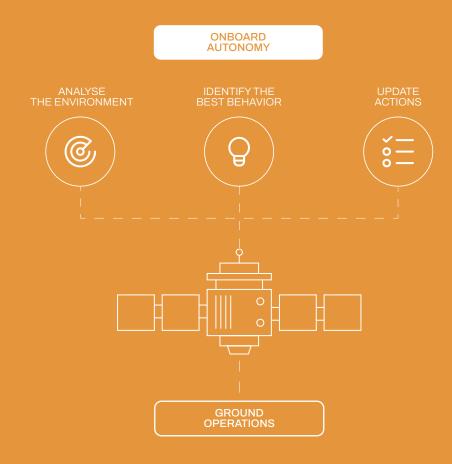






THE ALL-IN-ONE SOFTWARE TO ENABLE AUTONOMOUS PAYLOAD AND PLATFORM OPERATIONS. SAFELY.

Enhance your mission performance with our AI-powered operating system. Maintain seamless control through integration with your operations pipeline. Customize your level of automation with specialized applications, supported by our team.



ONBOARD PLANNING

extended duty cycles and efficient management of multiple instruments to maximize performance and optimise resource usage.

TELEMETRY PROCESSING

Diagnostic and forecast-based analysis, enabling timely assessment of operational conditions

PAYLOAD PROCESSING

Extract insights from payload data in real-time through onboard data processing capabilities.

Exploit the actionable information to refine mission schedule, prioritise the download of data, and increase mission efficiency.



PROACTIVE DECISIONS, REAL TIME ACTIONS. ALL IN ORBIT. ALL IN ONE.

HIGHER FRACTION OF PROFITABLE DATA

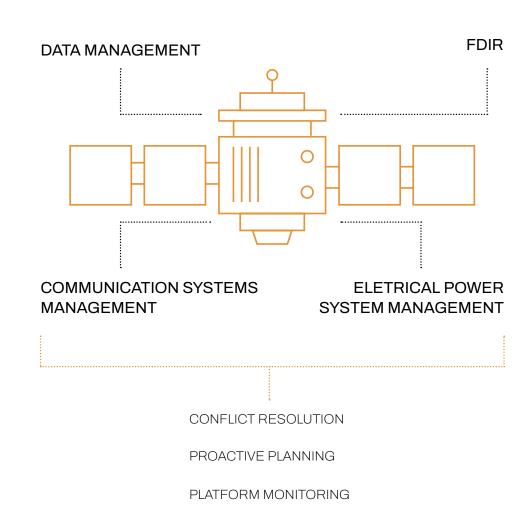
Up to 50% increase in payload duty cycle thanks to optimal resource handling.

REDUCED LOAD ON HUMAN OPERATORS

Down to 50% time spent on repetitive tasks.

DOWNLINK OPTIMISATION

Down to 90% in downlink needs by insight extraction.



AIKO SUITE — orbital OLIVER

AIKO ONBOARD

DATA PROCESSING

THE GATEWAY TO ONBOARD AI APPLICATIONS

ONBOARD **AUTONOMY** ※ orbital_OLIVER AI-POWERED ONBOARD SOFTWARE

AIKO CUSTOM

APPLICATIONS

THIRD-PARTY

APPLICATIONS

CONSTELLATION

MANAGEMENT

orbital_**OLIVER** enables the installation of multiple applications to meet all your needs. Moreover, it autonomously manages AIKO applications through ou integrated ecosystem.

Whether you want to test your own application or install third-party ones, orbital_**OLIVER** is designed to have open API and a dedicated SDK.

 $lue{}$





Nice to meet you, we're clear_CHLOE and clear_CHARLES

Trusted by













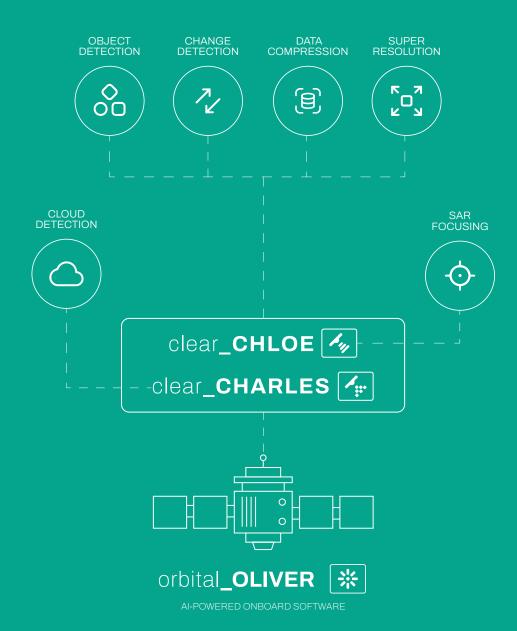


LET'S BE CLEAR_ SMART, AUTONOMOUS ONBOARD DATA PROCESSING.

WHEN IT COMES TO PROFITABLE DATA, MINIMIZING LATENCY AND OPTIMIZING TIMING ARE CRUCIAL.

AIKO's clear_CHARLES and clear_CHLOE solutions enable autonomous functionality directly onboard satellites, removing the dependency on continuous ground intervention. By processing data on the satellite itself, these solutions drastically reduce latency and improve operational efficiency in dynamic environments. Leveraging AIKO's extensive space heritage, clear_CHARLES and clear_CHLOE ensure your satellite delivers pre-processed, selected data and images, making your product ready for immediate use as soon as it's received—boosting both speed and value.

24



PROCESSED, SELECTED, DELIVERED READY TO USE. ELEVATING ORBITAL FEATURES

Thanks to its versatility, clear_CHARLES (optical) and clear_CHLOE (SAR) address a broad spectrum of applications.

Whether it's enhancing agricultural practices, monitoring environmental changes on Earth, managing sea traffic, or supporting defense operations, the clear_ suite is equipped to meet these diverse needs. Furthermore, the suite is designed for seamless integration with the most widely used GPUs and FPGAs, ensuring compatibility with various hardware setups and maximizing its deployment potential across different infrastructure configurations.

HIGH COMPATIBILITY

Cross-platform compatibility

UNMATCHED SPEED

2x faster than traditional processes

POWERFUL PERFORMANCE

Less than a 10% F1 point gap respect traditional processes



Nice to meet you, i'm dynamic_DANA

Trusted by











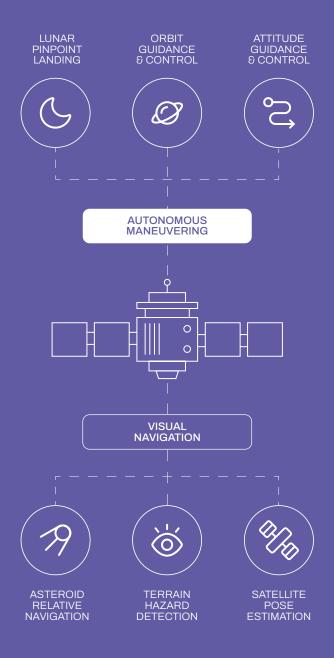




SMART MANEUVERING, FOR A SAFER SPACE.

AIKO operates across the whole Space Situational Awareness and Space Traffic Management value chain, deploying AI-powered autonomous solutions capable of maneuvering satellites while adapting dynamic environment of lower earth orbit, ensuring security in space without direct human supervision.

30



GUIDANCE, NAVIGATION, CONTROL. FULLY AUTOMATED, PERFECTLY CONTROLLED.

AIKO's dynamic_**DANA** suite of algorithms, specifically dedicated to Guidance, Navigation, and Control, enables the autonomous execution of a variety of operations, from station keeping to in-orbit servicing. Currently, the suite is focused on specific tasks such as collision avoidance, mapping unidentified objects, and approaching designated targets. dynamic_**DANA** represents an evolving research line, aimed at providing satellite operators with a comprehensive package designed to minimize the latency in action-reaction due to space-to-ground communication. Additionally, it optimizes fuel expenditure, making it a highly efficient tool for the future of autonomous space operations.

COLLISION AVOIDANCE SERVICING

ORBIT ADJUSTMENTS MAPPING

DEBRIS REMOVAL INSPECTION

ORBIT MAINTENANCE DOCKING

MORE AUTONOMY IN SPACE, FOR A BETTER LIFE ON EARTH.



With over 10 years of experience and proven heritage both in orbit and in the field, AIKO's solutions have significantly optimized mission operations and infrastructure maintenance, driving efficiency and reliability in space missions. Moreover, through the AIKO PARTNER PROGRAM, AIKO supports businesses in integrating AI processes quickly and seamlessly for specific use cases, while also embedding valuable expertise into teams. This program prepares companies for future challenges by ensuring they can effectively leverage AI technology within their operations. More efficiency, faster profitable data, and more value to human time—this is what we bring to your business.

STRONG HERITAGE

Over 10 years of experience with proven results.

HIGH COMPATIBILITY

Ready-to-use software for easy and seamless integration.

AIKO PARTNER PROGRAM

Test it before adopting it, with multiple benefits for your business and R&D.

DISCOVER MORE

www.aikospace.com_info@aikospace.com

FOLLOW US ON





