



ARGO

Highly accurate, flexible, robust and scalable multicamera system for spacecraft autonomous attitude determination through low cost cameras

Attitude Determination is a critical element for any spacecraft.
Emerging space markets (e.g. SmallSats) require accurate but affordable solutions!



ARGO is an **innovative multicamera system** for spacecraft autonomous attitude determination able to offer **high flexibility, robustness, accuracy, scalability** and **significant reduction of production costs**

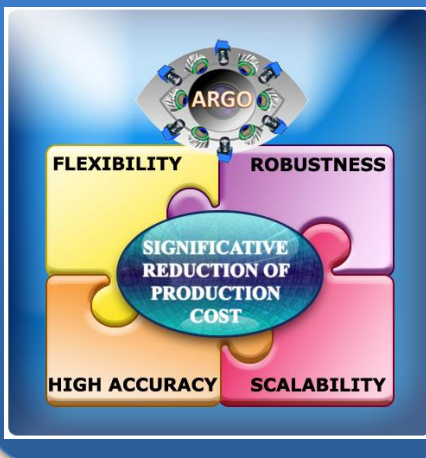
ARGO Innovation claims

➤ Flexibility

The number of cameras and their placement can be freely chosen

➤ High Accuracy

High accuracy is guaranteed, even in mono camera version. Depending on characteristics and number of cameras, such accuracy can be further increased



➤ Robustness

As a multicamera system, ARGO is robust to camera's occultation and failure

➤ Scalability

Variation in number of cameras and in requested accuracy does not require a system redesign

➤ Reduction of Production Cost

No need to use cameras with high accuracy class and high time invariance.
No need to stiffly fix all of them to the spacecraft payload

Applications



Earth Observation & telecommunications satellites
SmallSats market ...and not only!

Consortium



excellence and passion
in automatic control design

EICAS Automazione S.p.A.

Coordinator

Working in spacecraft attitude determination since the 1980s



Tyvak International

A Terran Orbital Corporation

Partner

Extensive experience in developing and operating SmallSats



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