



ARKORY
Autonomous Robotics



Aerial Target System **Quarrus 1**

AUTONOMOUS
FLIGHT TECHNOLOGIES

Quarrus System Components

The Quarrus system has the following component:

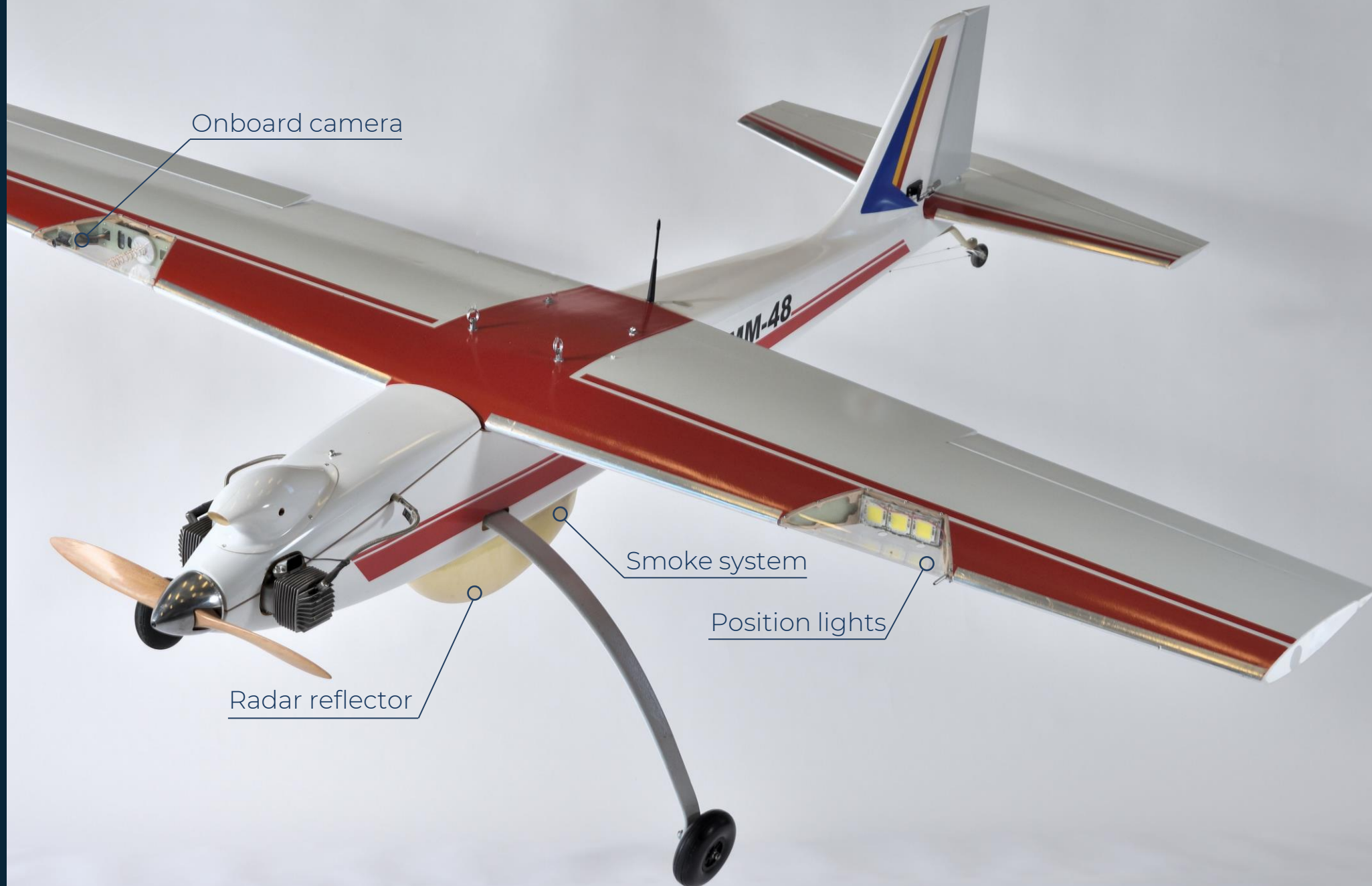
- Target aircraft;
- Primary Ground Control Station;
- Secondary Ground Control Station;
- Ground Primary Terminal Data;
- Ground Data Secondary Terminal;
- Mobile Data Center;
- Info display.

The architecture of the system allows the connection in the same network of any component of ground or aerial vehicles. Information terminals provide data on the targets in flight in real time;

The system provides voice and ground data communications;
The system ensures integration with command-and-control centers.



Quarrus 1



- Automatic flight;
- Real-time change of parameters;
- Real-time video from the target aircraft (STANAG 4609);
- Two or more targets in flight;
- Flying in tight formations;
- Remote secondary GCS;
- Real-time information terminals;
- Voice / ground data communications;
- Integration with command and control centers.

Quarrus 1

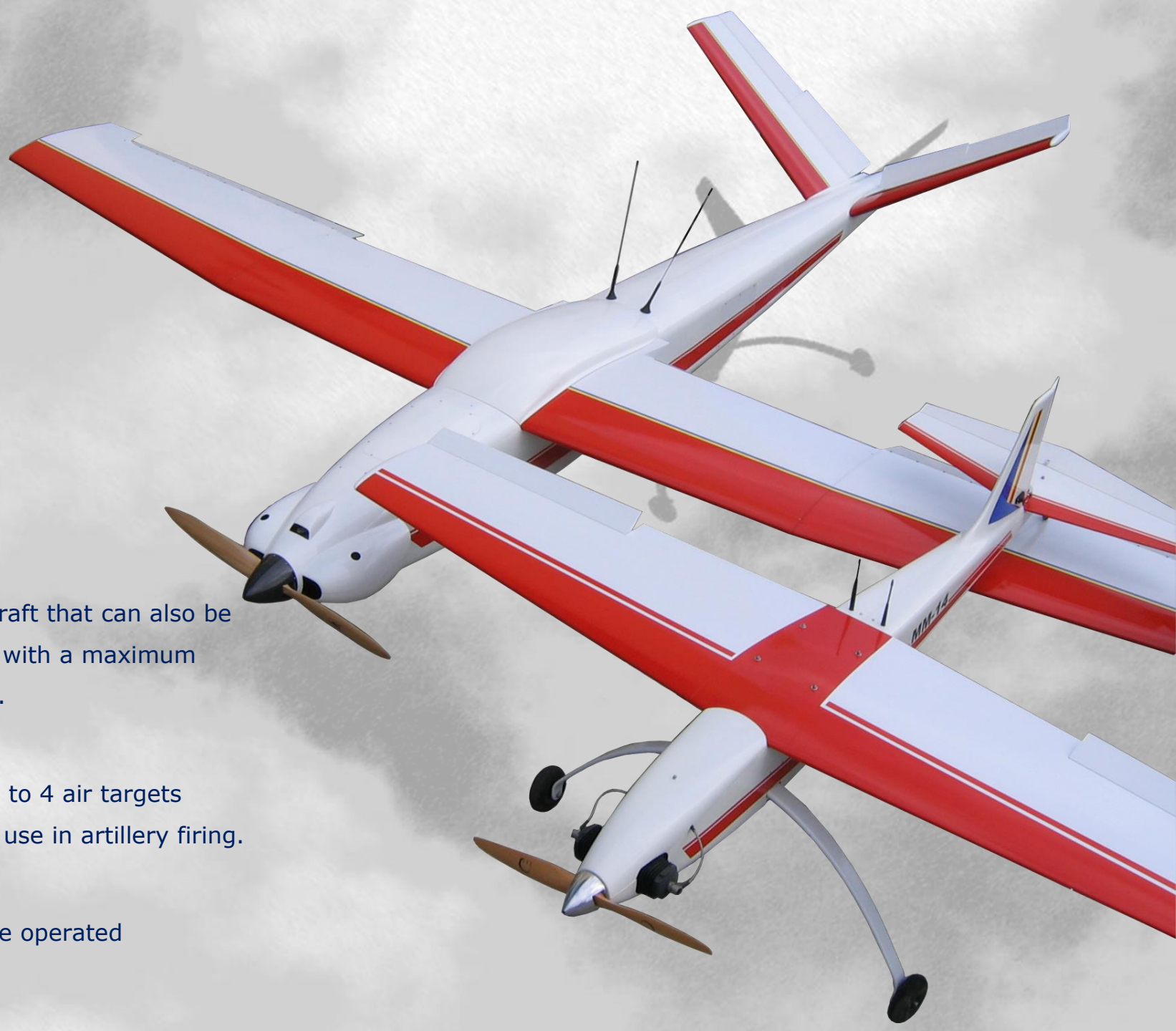
Specification

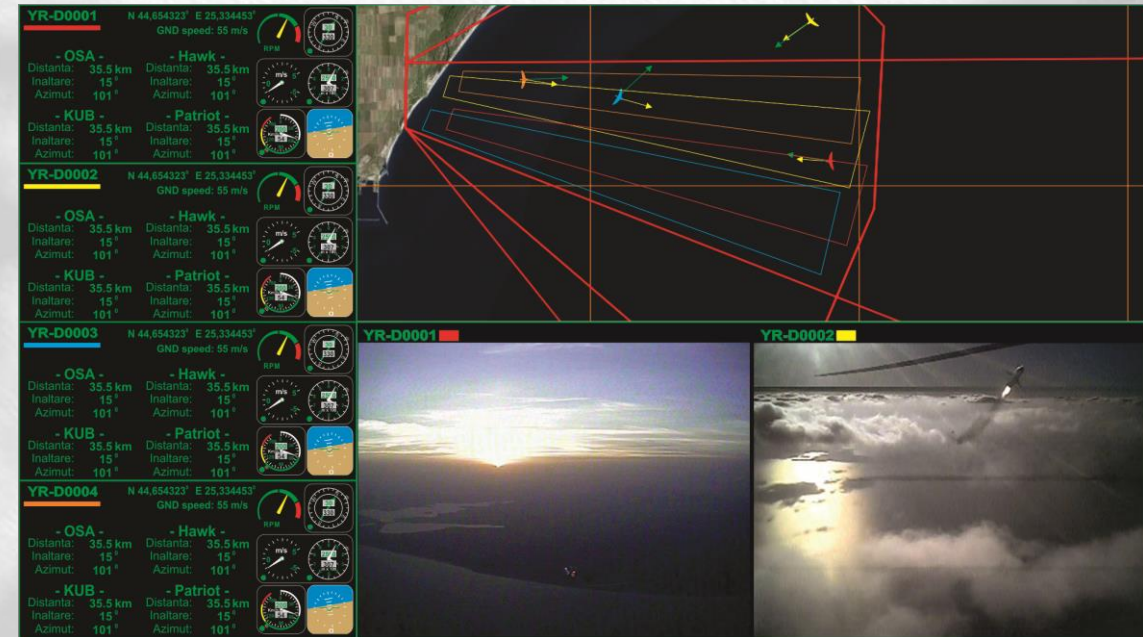
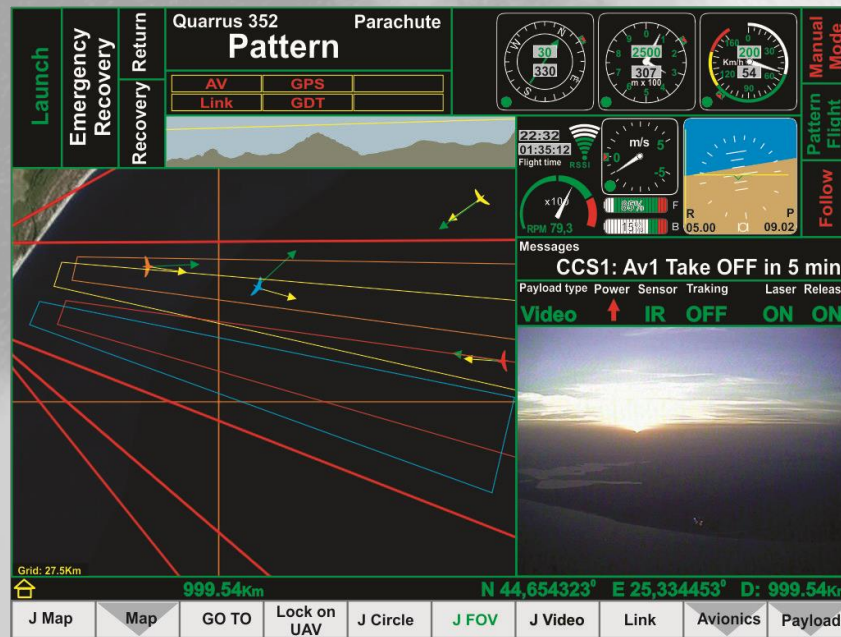


- Speed: 80 m/s;
 - Autonomy: 45 min;
 - Radio range: >50 km, LOS;
 - MTOW: 30 kg;
 - Propulsion: internal combustion.
-
- Radar reflector / IR
 - Smoke;
 - Night flight lights.

Quarrus System Family

- Quarrus is a target aircraft that can also be used as a target tractor with a maximum take-off mass of 150 kg.
- Quarrus can handle up to 4 air targets simultaneously ideal for use in artillery firing.
- Multiple Quarrus can be operated simultaneously





Quarrus 1

Specification

All elements of the Quarrus system are portable. The time required to install the entire system, including the communication infrastructure, is less than one day. In the case of the Capu Midia shooting area, the communications infrastructure covers several kilometers.

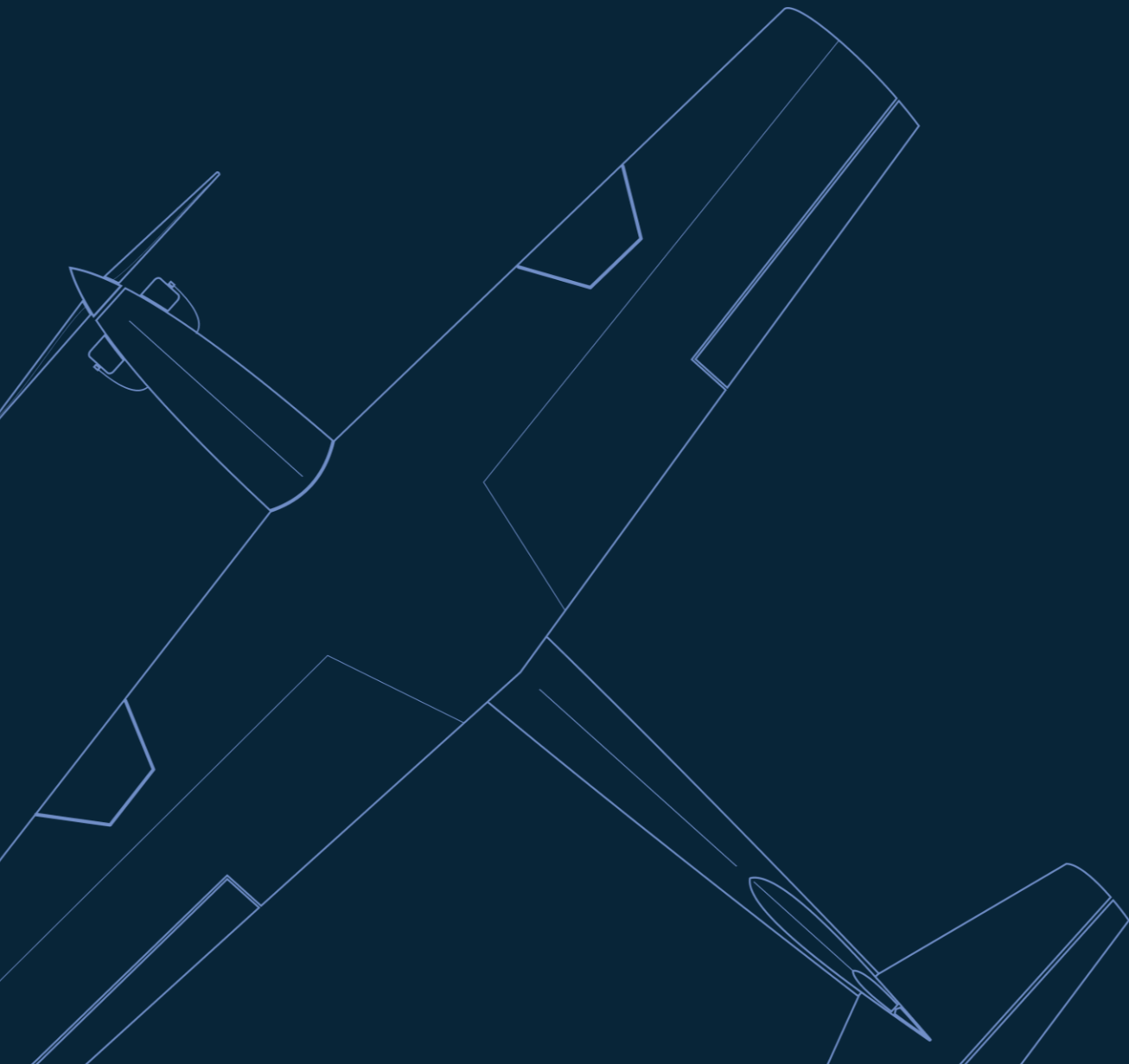
The command-and-control system, as well as the autopilot used, were developed by AFT over 15 years.

Modularity and level of integration are rarely encountered in such systems, leading to a robustness and a great flexibility.



Quarrus 1





Contact Us

Nicholas F. Jeffery (CEO)

Email: nicholas@arkory.com

Cell: +36204263179

<http://linkedin.com/in/nicholas-jeffery>

www.aft.ro