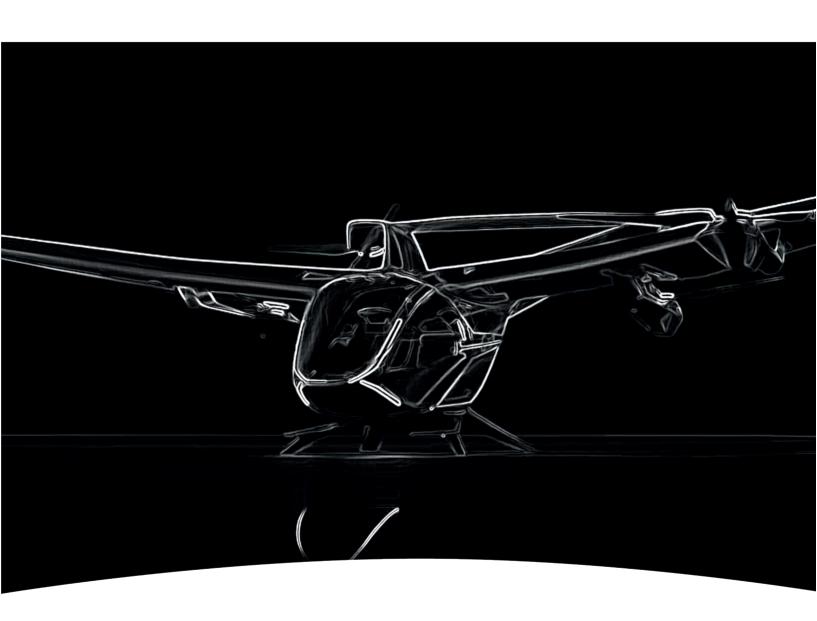
ONEBOX

Versatile Vehicle Management System





ENABLING NEXT-GENERATION
ELECTRICAL PROPULSION
AND FLY-BY-WIRE TECHNOLOGIES



ONEBOX ENABLING NEXT-GENERATION

ELECTRICAL PROPULSION & FLY-BY-WIRE TECHNOLOGIES



MULTI-PLATFORM SOLUTION: AIR, LAND AND SEA

quirements while reducing volume, weight.

Key to success is an unprecedent level of integration, achieved by powerful of functions on a single hardware platform.

Connectivity, high computing power and scalability are the essential features that are required to fulfill the requirements of future Vehicle Control Systems.

AUTONOMOUS NAVIGATION

and instruct it to move to follow a defined route. Although GNSS-based navi-

Inertial Navigation Systems calculate direction moved over time, with a varying degree of drift, and with the use of high-precision oscillators provide continuity of time. The great advantage of the Inertial Navigation System is that it cannot be spoofed or jammed.

ditional computing power and connectivity, provides the fundamental building block around which a Vehicle Control System can be built.

APPLICATION EXAMPLES:

- FLIGHT CONTROL/STABILIZATION
- MISSION SYSTEM/NAVIGATION
- PROPULSION CONTROL
- POWER PLANT MANAGEMENT AUTONOMOUS NAVIGATION HEALTH MONITORING COLLISION AVOIDANCE

A NEW APPROACH TO SYSTEM DEVELOPMENT

ONEBOX is an integrated, high computing power platform which provides all the basic services required by safety critical applications - redundant resources, redundancy management, data consolidation - along with native high integrity (multiple redundant) high performance Inertial Navigation functions.

ONEBOX triple redundant multi-core processors and EMI power supplies modules pave the way for a new generation of avionic. By allowing a wide range of possible configurations, ONEBOX gives the opportunity to fulfill the requirements of an incredible amount of system configurations.

Why ONEBOX?

- Integrated System-in-a-box architecture
- Dissimilar computing and inertial sensing resources
- High integrity
- Cybersecurity
- High speed digital interfaces
- Conceived for hosting applications
- Fast time-to-market, streamlined integration
- Optimized space, power and weight
- "Safety first" design concept















