



SYNTURIAN™

MULTI-VEHICLE CONTROL AND COLLABORATION

Textron Systems has been a leading global provider of unmanned systems for decades. Our ground control and remote systems have delivered millions of service hours around the world, giving operators and stakeholders the information they need to execute their missions. From this expertise comes the Synturian family of multi-vehicle control and collaboration technologies, a brand-new and mission-forward way to interact with your unmanned systems across domains.

TEXTRON Systems

Unmanned Systems
 124 Industry Lane, Hunt Valley, MD 21030 | 800.655.2616
unmannedsystems@textronsystems.com

SYNTURIAN: EMPOWERING SITUATIONAL

The Synturian system was designed based on Textron Systems' years of proven unmanned experience, bringing to bear all the technology, simplicity and customization users demand in the digital age.

The Synturian family of multi-vehicle control and collaboration technologies empowers situational awareness and informed action. Scalable, modular and intuitive, the Synturian system delivers situational understanding to the point of action.

While we have packed more processing power into Synturian than any control station before, component count and complexity are reduced to package the system into a small, lightweight footprint and further streamline logistics and mission execution.

CHARACTERISTICS & BENEFITS



PLATFORM

Multi-vehicle/multi-platform/
multi-domain control



FLEXIBILITY

Scalable, modular and expandable



GROSS WEIGHT

Lightweight and small form factor



SOFTWARE

Rapid integration of new platforms
and features



INTERFACE

Universal interface, reducing training
burden and operational complexity



Powerful processing capability is packaged in the smallest available form factor.



Users can select their preferred control interfaces.



The system is easily expandable.



Synturian Remote connects operators and collaborators in real time.

AWARENESS AND INFORMED ACTION



SYNTURIAN CONTROL

Synturian Control is a multi-platform, multi-vehicle, multi-domain control system that enhances collaboration and dissemination of information. Built around a service-oriented architecture for rapid capability integration, users can access new capabilities with plug-and-play simplicity through the universal interface. This gives users the same experience across controlled assets, with a map-centric view that brings mission information forward while platform status is automated in the background. Our two-crew station set-up includes a modular processing unit equipped with our Synturian operating system and all associated hardware. The system is easy to scale to as many users as needed based on customer requirements. The same capability can be packaged into a customer-specified environment as well.

Synturian Remote includes mobile, network-strengthened tools that enhance situational awareness through timely information and collaboration. Its intuitive interface leverages the ease and speed of use afforded by today's consumer smartphones and tablets. Text messaging, as well as video and imagery sharing, can be completed between all Synturian Control operators and Synturian Remote users. The Synturian Remote system allows control and limited navigation of unmanned systems, supporting Level of Interoperability 2 remote control of the unmanned vehicle payload to collaborate with the control station for seamless utilization of the asset. The Synturian Remote capability is packaged into a small, lightweight hardware form factor that can be handheld, chest mounted, or injected into other hardware packages based on customer needs.

SYNTURIAN REMOTE





THE NETWORKED BATTLESPACE

Synturian provides direct control over unmanned systems in the air, sea and land domains.

Bringing that advantage to the larger battlespace, Synturian is interoperable with Textron Systems Advanced Information Systems' iCommand® suite. The iCommand suite is a battlespace management system that links people, platforms and payloads in a real-time and highly intuitive, integrated experience.

Together, the Synturian and iCommand systems represent an unparalleled integration hub for the people, assets and sensors that need to communicate seamlessly, with a user-focused and customizable graphical user interface.

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