SIKORSKY
A LOCKHEED MARTIN COMPANY

MATRIX™ Technology Aircraft Autonomy System

MATRIX™ Technology is a platform agnostic hardware and software suite that enables advanced autonomous modes for optionally piloted flight for rotary and fixed-wing aircraft. MATRIX technology supports safe navigation in challenging civil or military environments for autonomous or crewed operation.

DESIGNED FOR FLIGHT SAFETY, RELIABILITY AND EFFICIENCY

| COMPLEX MISSIONS AND CONTESTED ENVIRONMENTS | IMPROVED RELIABILITY | IMPROVED OPERATING COSTS | VEHICLE AGNOSTIC | MISSION ADAPTABLE |

Artist Rendering

MATRIX™ Technology
Aircraft Autonomy System

1000+ Hours of Optionally Piloted Vehicle flight time in relevant environments

10+ Different aircraft types transitioned to MATRIX technology

500+ Test and Demo Flights

$200M+ of joint investment

Advancing the future of autonomous flight

Northern Strike The first U.S. soldier plans and executes autonomous Black Hawk® missions using MATRIX technology in the field.

S-70™ (OPV) Optionally Piloted Vehicle is a MATRIX enabled Black Hawk that works to improve flight safety and operations so humans and machines can work together more seamlessly in the field.

Sikorsky's Autonomy Research Aircraft (SARA) serves as a testbed to advance MATRIX optionally piloted flight technology.

KEY FEATURES

- Flexible architecture
- Ease of use; training in less than an hour
- Developed for civil and military environments
- Development across multiple types of aircraft
- Multiple mission applications
- 3rd party software and hardware easily integrated

For more information

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