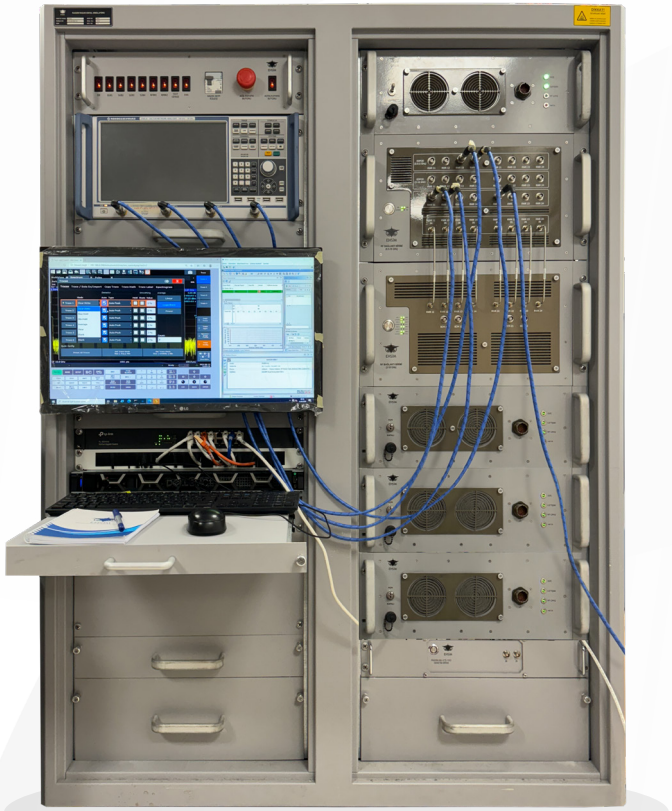
RASSIM

RADAR SIGNAL SIMULATOR



RASSIM is a cutting-edge solution designed to simulate complex RF environments and validate the performance of Electronic Warfare (EW) systems under realistic conditions. With its advanced architecture, RASSIM enables accurate simulation of radar signals, making it an indispensable and cost-effective system for testing EW battlefield in a controlled laboratory setting. It offers flexibility and high level threat performance with custom-made scenarios that replicate real-world conditions to ensure that EW systems are always mission-ready. Highly customizable architecture of RASSIM provides flexibility for specific needs of customers.

EHSİM
ELECTRONIC WARFARE SYSTEMS ENGINEERING INC.

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Advanced Signal Simulation
Generation of both pulse and continuous signals. Supporting up to 32 simultaneous emitter pulse or 4 CW signals with comprehensive testing coverage.

Customizable Scenarios:
Dynamic and static scenario generation with fifteen different antenna scanning types and seven pulse width options, providing a broad range of testing conditions.

High Fidelity and Performance
Provides highly realistic simulations of diverse radar threats, ensuring comprehensive and effective testing and training.

Scalable Architecture
Accommodates adjustable number of signal generator units (SGUs), allowing easy scalability and adaptability to meet evolving testing needs.

Integration Capability
Seamless compatibility with existing avionics and electronic warfare systems for smooth integration into operational environments.

Comprehensive Support and Training
Through training programs and responsive customer support help users build skills and stay ready for any operation.

PRI Range:	1 us to 1 s	**Frequency Range:**	0.5-18 GHz
PRI Resolution:	25 ns	**Frequency Resolution:**	50 kHz
FMOP Deviation:	200 mHz	**Frequency Accuracy:**	+-100 kHz
FMOP Resolution:	100 Hz	**Peak Output Power:**	-10 dB
AMOP Resolution:	0.25 dB	**Scenario Exhibition:**	1 Scenario/s
PMOP Resolution:	45 Degree	**RF Frequency Range:**	0.5-18 GHz Dynamic