



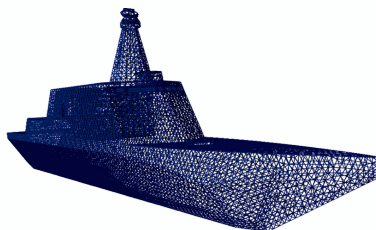
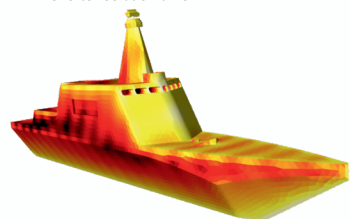
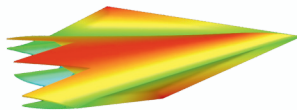
Accelerate Simulation  
Technologies

# PACE

Parallel Computational Engineering

www.accelerate.com.tr

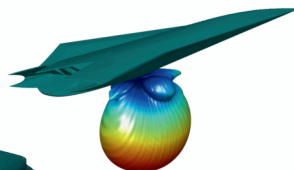
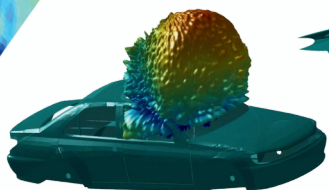
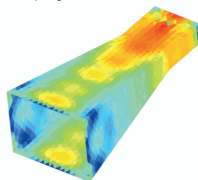
- **< 0.001 Error:** unprecedented accuracy for 3D EM simulations
- **Full-Wave Simulations:** **PEC**, **Composite**, and **Coating solvers**.
- **Hundreds of Millions of Unknowns**
- **MLFMA and parallelized algorithms:** less memory and shorter solution time.



## PACE Apex

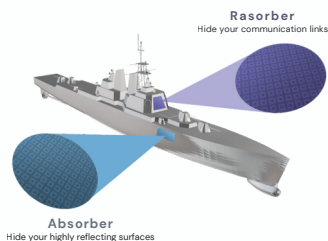
Antenna Platform Electromagnetic Analyses Expansion

- **Full-wave Electromagnetic Coupling Analyses of Antennas:** Antenna placement optimization, RF interoperability analyses, coupling reduction
- **Nearfield Equivalent Source:** High-fidelity simulations of antennas integrated on conductive, coated, or composite platforms, supporting up to hundreds of millions of unknowns. (e.g., 1000 aircraft).
- **Antenna placement optimization, antenna integration, RCS reduction, antenna/radome interactions**

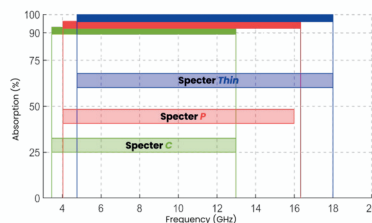


## Wideband Radar Absorbing Frequency Selective Surfaces

More than 90% absorption and wide angle performance



Measured Absorptions of Specter C, P, and Thin

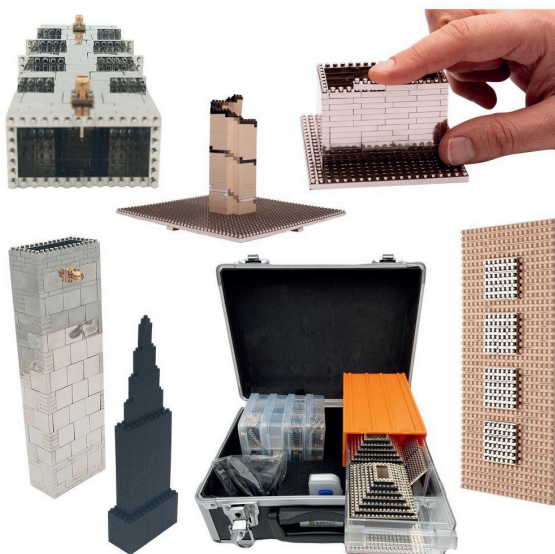


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# Anten'it



## Antenna & Microwave Kits



## Jamming Antennas

-Counter Drone Antennas

-Counter RCIED Antennas



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## ANTENNA POSITIONERS, PAN TILT UNITS, ROTATORS

Custom designed Single and Double Axis Rotary Positioners validated for continuous operation in extreme environmental conditions.



DUAL AXIS POSITIONERS



SINGLE AXIS POSITIONERS

- Applications**
- General Purpose Positioning
  - Tracking
  - Border Security and Surveillance
  - Anechoic Chambers
  - Antenna Measurements
  - Communications
  - Antenna Electro-Optical Sensor Positioning

25 Years Anniversary

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## WIROBOARD

### NEW GENERATION HARNESS ASSEMBLY BOARDS

- display high-resolution real-size production drawings on a flat-screen monitor.
- place special pins into the pinholes of the transparent mounting surface above the screen for cable routing and branching.



- Reconfigurable Pin Placement
- Quick Setup, Easy Change of the Board
- High Resolution Display
- Harness View in Real Size
- Creating New Digital Harness Library and Converting from DWG/DXF Files
- Ergonomic and Mobile
- Software Supported
- Lots of Assemblies with a Single Unit
- Reduced Human Errors

NO MORE WOODEN BOARDS, NO MORE NAILING

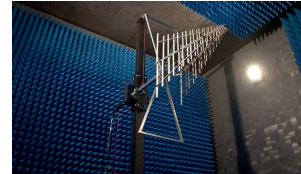
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### TESTING SERVICES WITHIN THE SCOPE OF ACCREDITATION

LVT Test Laboratories have been providing RELIABLE service in the sector for 13 years, based on INDEPENDENT and PRINCIPLED work within the scope of approximately **300 standards harmonized** under the **LVD and EMC** directives.

EN / IEC 61851 Series: Electric Vehicle Charging Stations,  
EN / IEC 61439 Series: Electrical Panels, IEC 60529: IP Protection Tests,  
EN / IEC 62271 Series: High Voltage Switchgear and Controlgear,  
EN / IEC 60601-1: Electrical Medical Devices,  
EN / IEC 61587: Rack Cabinets,  
EN / IEC 60598 Series: Lighting Luminaires,  
**EN / IEC 60146 Series: Rectifier Groups,**  
EN / IEC 62368 Information Technology Devices,  
EN / IEC 62208: Panel Frame,  
EN / IEC 60335-1 Safety of Household And Similar Electrical Appliances,  
EN / IEC 61547 Equipment for General Lighting Purposes,  
EN / IEC 55015 Radio Disturbance of Electrical Lighting,  
EN / IEC 60601-1-2 Medical Electrical Equipment,  
**EN / IEC 55014-1 Electromagnetic Compatibility Household Appliances,**  
EN / 55014-2 Electromagnetic Compatibility Household Appliances,  
EN / IEC 55032 Electromagnetic Compatibility of Multimedia Equipment,  
EN / IEC 55035 Electromagnetic Compatibility of Multimedia Equipment,  
EN / IEC 60204-1 Safety of Machinery,  
EN / IEC 61000-6-2 (EMC) Immunity for Industrial Environments,  
EN / IEC 61000-6-4 (EMC) Emission For Industrial Environments,  
**EN / IEC 61010-1 Electrical Equipment For Measurement,**  
EN / IEC 61326-1 Electrical Equipment For Measurement,



### PRODUCT CERTIFICATION WITHIN THE SCOPE OF ACCREDITATION CERTIFICATE OF CONFORMITY TO INTERNATIONAL STANDARDS (IEC)

EN / IEC 60146 Series: Rectifier Groups,  
EN / IEC 61439 Series: Electrical Panels,  
EN / IEC 62208: Electrical Panel Enclosures,  
EN / IEC 62271 Series: High Voltage Switchgear and Controlgear,  
EN / IEC 61587: Rack Cabinets,  
EN / IEC 60670 Series: Box and Junction Box Groups,  
**EN / IEC 61386: Pipe Groups Used in Electrical Installations,**  
EN / IEC 60598 Series: Lighting Luminaires,  
EN / IEC 61851 Series: Electric Vehicle Charging Stations

Our scope expansion efforts continue rapidly in line with the demands from the sector.



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## Eagle EYE UAV EYE

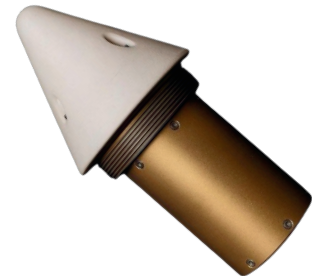
Precision Altimeter for Critical Missions

- MIN ALTITUDE: 2 Meters
  - MAX ALTITUDE: >1500m (5000ft) (Eagle EYE) / 100m (UAV EYE)
  - ALTITUDE ACCURACY:  $\pm 1\text{m}$  or 3% (Eagle EYE) /  $\pm 0.1\text{m}$  precision (UAV EYE)
  - VECTORIAL VELOCITY: Up to 6 Mach (2000m/s)
  - COMM.: RS422 / RS485
  - UPDATE RATE: 100 Hz
  - POWER CONSUMPTION: <10 W
  - INPUT VOLTAGE: 18-32 VDC
  - OPERATING TEMP.:  $-40^\circ\text{C}$  /  $+71^\circ\text{C}$
  - SYSTEM WEIGHT: <600g
  - DIMENSION: 194 x 125 x 42 mm
- UAV EYE mode is a switchable mode for landing and take-off from flat run ways



### Proximity Sensor

The FPM.8X proximity sensor serves as a critical force multiplier, enhancing the operational effectiveness of a wide range of air-delivered munitions (MK81, MK82, MK83, MK84). Designed for seamless integration and robust performance in electronic warfare environments, FPM.8X offers advanced capabilities and compatibility.



SAS  
Situational Awareness Suit  
Smart, Adaptive, Secure

Next-Generation Dual-Function UAV Defense Platform  
- tailored to your needs -  
on the UAV or mobile ground platforms



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