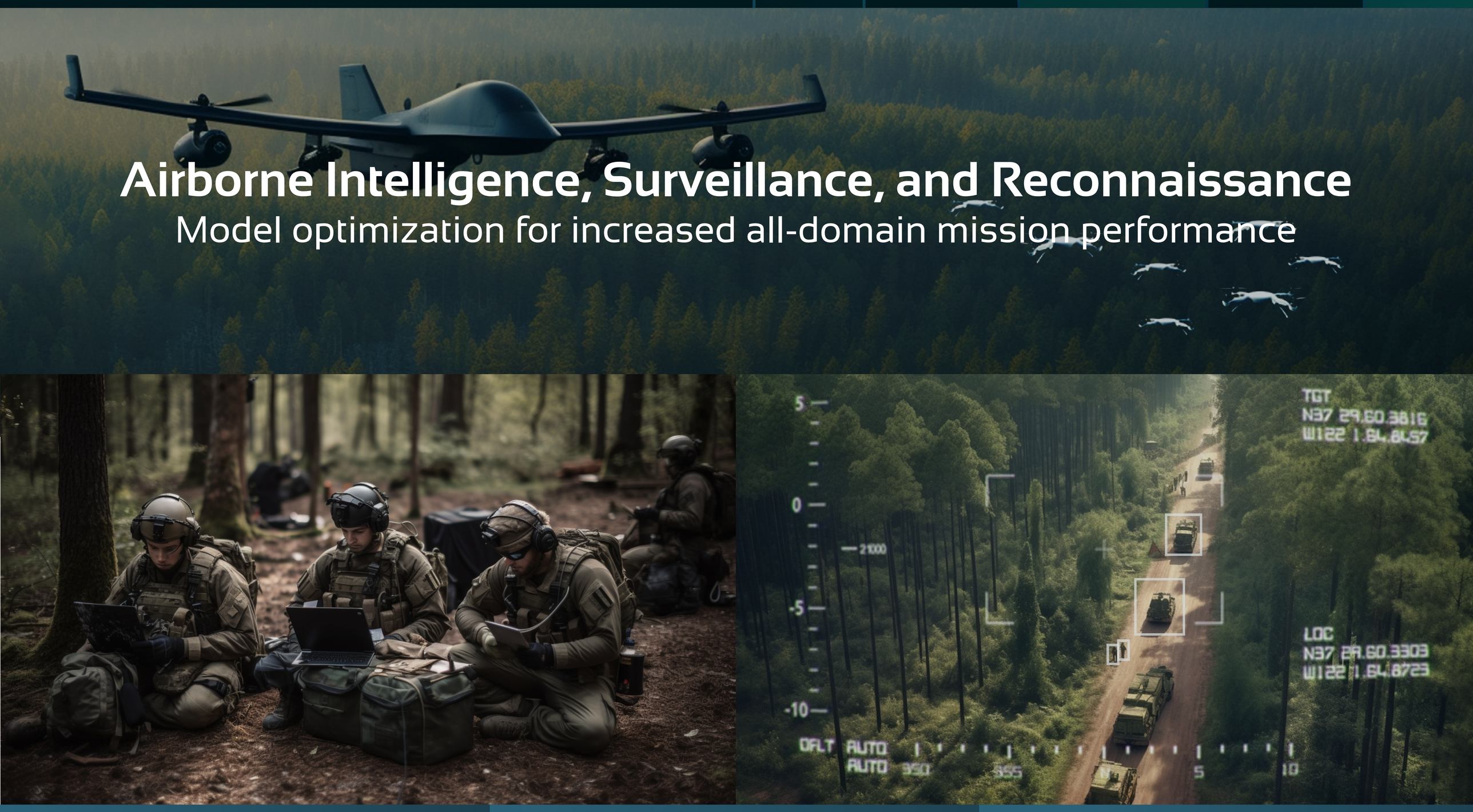
Go Further with Faster Data to Decision

LatentAI



Airborne Intelligence, Surveillance, and Reconnaissance

Model optimization for increased all-domain mission performance

Further

Extend mission time with optimized power and processing management that means 4x the mission on the same device

Faster

Maximize operational effectiveness with practical, powerful edge AI that delivers 10x faster inference

Formidable

Quicker data to decision and real-time results that maintain a tactical advantage against emerging threats

Faster Data to Decision

- Cloud based processing can take days to deliver actionable data
- Maintaining a tactical advantage is difficult against new tech
- Warfighters need to make better and faster real-time decisions

LEIP:
- Real-time insights with processing on the edge
- Faster targeting and response for threat identification

Optimized SWaP Management

- Processing drains battery power, limiting range and results
- Missions need to operate longer at higher altitudes to be effective
- Extract better results from the same hardware

LEIP:
- Adaptive power that adjusts to preserve battery extends mission range and impact
- Model compression increases the capabilities and payload of drones and other airborne devices

Secured and Trusted

- Transmitting data in contested environments means risk
- Enemies can capture devices and exfiltrate data
- Communications can be intercepted, interrupted, or jammed

LEIP:
- Builds in protection for airborne devices while in operation
- Constant testing and validation of results for trusted decisions
- Security built into the model to detect and prevent tampering

Edge Continuum Ready

- Data has multiple needs, including immediate and post-mission analysis
- Current processes and hardware can’t be changed easily or without costs
- Models need to be tested across different types of hardware and configurated rapidly at scale

LEIP:
- Rapidly integrates with current processes and hardware
- Data can be offloaded post mission for data fusion/deeper analytics

For more information, visit **latentai.com**