

Increased mission time
with expanded scope
and impact

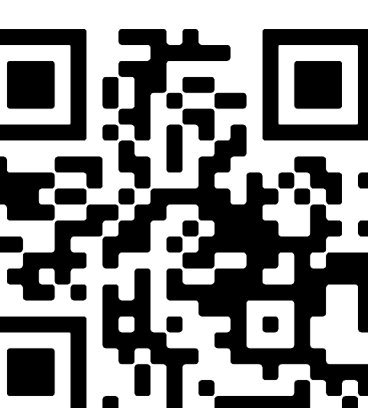
Ultra-efficient edge
models optimized for
memory, power, and size

Move the model
to the data, not the
data to the model
with low power AI/ML
processing



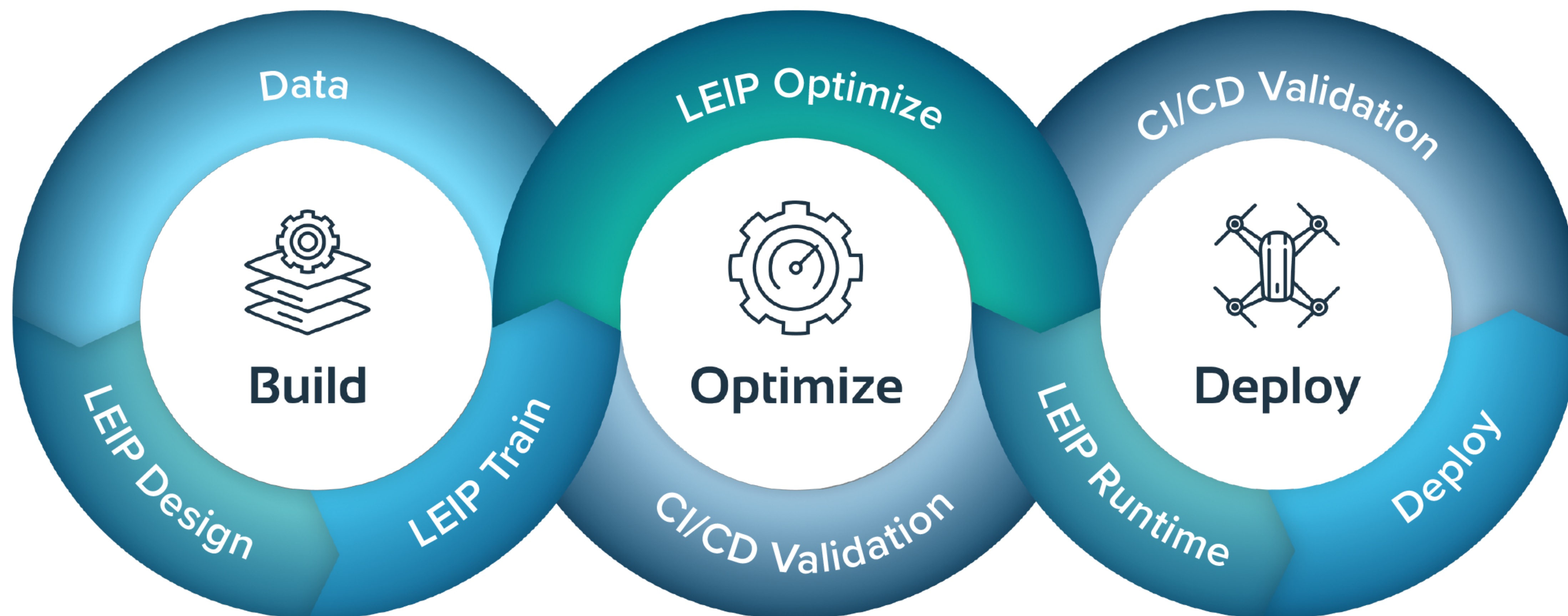
Scalable, repeatable, and
reliable secure model
deployment

Faster data to decision
with increased tactical
advantages



Latent AI Efficient Inference Platform (LEIP)

On-prem SDK for optimizing edge models, with seamless integration into IL2-6/JADC2



Same Hardware, Better Results

- Increase edge inference by 66% and cloud inference by 48%
- 4x the capability on the same device

Rapid Model Prototyping

- Effortlessly target different hardware (CPU, GPU, etc.) without manual porting
- Build and run models without re-learning new tools

Extend Missions & Impact

- Lower power consumption on SWaP constrained hardware (2-6x speedups)
- Maximize limited bandwidth pipes and latency issues

Secure

- Build in security like watermarks and encryption
- Adapt and react to changing conditions

LAND

- Reduce false positives/negatives with AI/ML intelligence
- Provide feedback in contested environments
- Increase situational awareness with always-on sensors
- Upgrade models with new detection signatures

Example Missions:

- Base defense and perimeter security
- Hazardous material detection
- Exfiltration route monitoring
- Safe-house surveillance

SEA

- Update UUVs 18x faster while underway
- Support data fusing of onboard processing once re-connected
- Cover more area of responsibility with extended mission time and range
- Identify maritime threats faster and more precisely

Example Missions:

- Undersea inspection
- Mine detection
- Threat analysis and elimination
- Harbor surveillance
- Oceanographic analysis

- Fast processing to detect swarm/drones using multimodal sensor
- Extended flight time and power supply
- Faster detection and response of threats
- Better target acquisition and recognition

Example Missions:

- Counter drone
- Predator and loitering mode
- Threat elimination
- Reconnaissance and surveillance

- Optimized models for limited upload bandwidth and line of sight communication restrictions
- Lower power consumption to extend battery life and mission
- Enable faster data to decision in complex environments
- Change-only model updates for uplink/downlink
- Provide better data faster

Example Missions:

- Identifying anti-collision maneuvers
- Missile launch detection
- Target identification
- Space debris tracking
- Onboard data collection and processing

AIR

SPACE