



CLOAK

Low SWaP-C GPS navigation assurance solution for GPS-denied environments

CLOAK is an advanced GPS navigation assurance solution that ensures reliable positioning, navigation and timing (PNT) in even the most challenging GPS-denied environments. Tailored for air, land, sea, space and electromagnetic spectrum domains, CLOAK combines exceptional anti-jam technology with unparalleled energy efficiency, consuming significantly less power than traditional systems. It protects military and defense operations by maintaining access to secure and precise GPS signals, even in the face of contested environments.

Mission Application

CLOAK ensures reliable GPS signals across air, land, sea, space and EMS domains, guaranteeing the precision and safety for platforms and personnel in the most challenging conditions.

CLOAK uses as little as one-third the power of existing anti-jam systems.



Advantages

- **Low SWaP-C Efficiency:** Uses one-third the power of existing anti-jam systems while maintaining peak performance.
- **Superior Anti-Jam Performance:** Delivers 2x-3x power efficiency over existing anti-jam systems.
- **Multi-Domain Versatility:** Functions seamlessly across air, land, sea and space applications.
- **Compact, High-Performance Design:** Maintains robust signal assurance in challenging electromagnetic environments.



Features

- Small form factor design integrates seamlessly into existing platforms with minimal footprint.
- 4-Element Controlled Reception Pattern Antenna provides high-precision anti-jam capabilities.
- Operates with significantly lower power consumption than traditional anti-jam solutions.
- Maintains reliable GPS navigation despite jamming and spoofing threats.



HII is a global, all-domain defense provider. HII's mission is to deliver the world's most powerful ships and all-domain solutions in service of the nation, creating the advantage for our customers to protect peace and freedom around the world. As the nation's largest military shipbuilder, and with a more than 135-year history of advancing U.S. national security, HII delivers critical capabilities extending from ships to unmanned systems, cyber, ISR, AI/ML and synthetic training. Headquartered in Virginia, HII's workforce is 44,000 strong. For more information, visit: [HII.com](https://www.hii.com).

Contact: EWproducts@hii.com



[hii.com/products](https://www.hii.com/products)