



Aerospace & Defence Division

June 11, 2026

Hexagon in brief



Headquarter
Stockholm

50
countries

€5.4bn
Revenue

~7,000
R&D employees

Publicly listed on
Nasdaq Stockholm

~24,000
Employees

16%
of revenues
for R&D

200+
acquisitions over
20 years

*2025

Transforming industries

Increasing productivity, improving quality and safety, and enabling sustainability

Aerospace



Agriculture



Automotive



Construction



Defense



Energy & power utilities



Manufacturing



Mining



Oil & gas



Public safety

As the global leader in measurement technologies, we provide the confidence that vital industries rely on to build, navigate, and innovate

Our impact on the world

From microns to Mars, our solutions drive productivity, quality, safety and sustainability across aerospace & defence, agriculture, automotive, construction, manufacturing and mining



350,000 construction sites



80,000 types of mining equipment



3.5 million agriculture vehicles



Helped construct Burj Khalifa, the world's tallest building



90% of all airplanes



95% of all commercial vehicles



75% of all smartphones



Helped support the landing of the Curiosity Rover

Aerospace & Defence Division

We deliver world-leading assured PNT (Positioning, Navigation and Timing) solutions, powered by high-precision positioning, advanced sensor fusion, and resilient navigation technologies

Our strength

Customers trust us to deliver assured PNT in the toughest environments – from space to areas disrupted by electronic warfare and complex mission dynamics

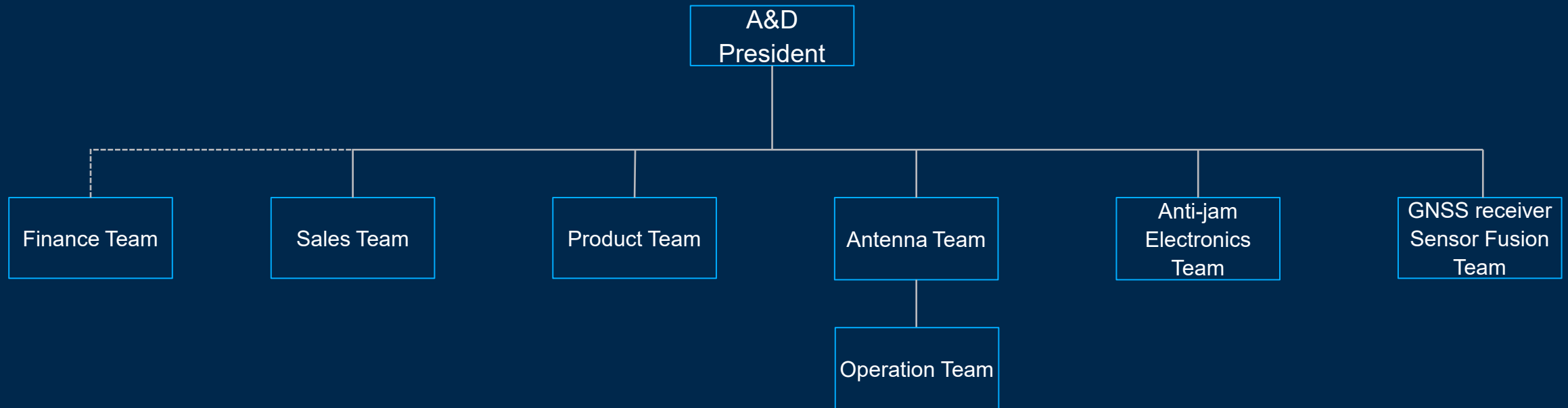
Our uniqueness

We are the only company in the world delivering a fully integrated, **end-to-end** assured **PNT portfolio** — from antennas and receivers to the best performance anti-jam/anti-spoofing — combined with **customized solutions** and **24/7 global support**



Aerospace & Defence Division

Creating synergies in end-to-end Assured PNT



Our Global Footprint – A&D Manufacturing sites & Correction



Products are manufactured in four locations.

Our global correction services are powered by over 100 GNSS reference stations worldwide that are owned, operated and controlled by Hexagon.

Aerospace and defence applications



VTVL
(vertical take off,
vertical landing)



Aviation



Unmanned Aerial
Vehicles (UAVs)



LEO satellites



Ground reference
receivers



Terrestrial vehicles



Unmanned aerial vehicles (UAVs)



Navy vessels

Aerospace & Defence

Aerospace

Global leader of SBAS* with Safety-Of-Life accuracy used in Europe, North America, Japan and other regions around the globe – market share > 80%

Trusted partners of Space Agencies, LEO satellites and rocket companies



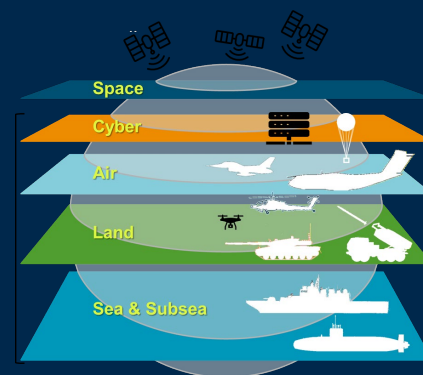
Trusted By



Defence

Operate in all domains from Sea to Air serving governments and major defense companies around the world

Offer the best performance Anti-jam technology to tackle electronic warfare since 2011



Value Creation

RF Threat to PNT



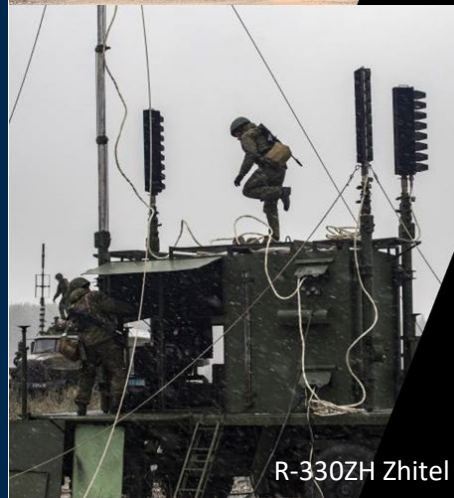
Many Armed Forces have high-power Jamming and Spoofing capabilities



Iranian Cobra V8 with Russian KRET Jammers (Not just GNSS jamming)



R-340RP Pole 21



R-330ZH Zhitel

Powerful Jamming, Spoofing

- Multi frequency, multi constellation
- Remote switchable attack antennas

Small Jammers



Spoofing



And jammers are targets ...



NovAtel offers End-to-End Product Line

From antenna, Anti-jamming, to receiver and enclosure



Antenna



GAJT



Receiver



Enclosure

We supply the full GNSS hardware stack, one stop shop for antennas, GAJT, receivers, and enclosures for a complete, ready-to-deploy solution for Assured PNT.

Product Highlight

NovAtel – GAJT (GPS Anti Jam Technology)

- Total 18,000 GAJT units were shipped since 2009*
- We are the only company in the world who protect all GNSS frequencies and constellations (Galileo, QZSS, Beidou, NavIC, GPS, GLONASS, IRIDIUM)
- Protect up to 7 jammers simultaneously (multi constellation multi frequency) to combat latest sophisticated EW technologies
- Support diverse applications from small (1.5m~) to large platforms
- GAJT works with any CRPA antennas and receivers



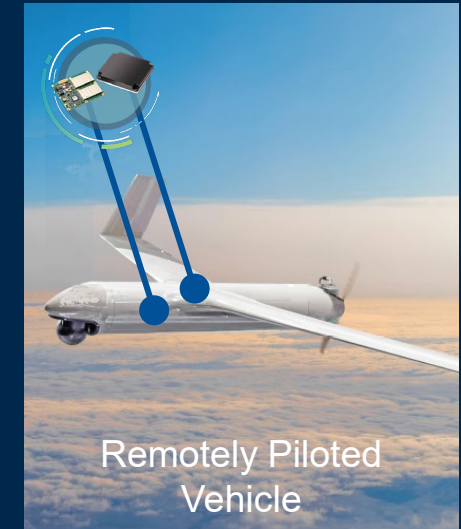
US Army Bradley



Royal Navy
Type 26 Frigate



Schiebel S100
Camcopter



Remotely Piloted
Vehicle

GAJT in the Field

CANADA



Artillery Observation Post Vehicles
Armoured Combat Support Vehicle



Halifax Class



Build in Canada
Innovation Program



US



Mounted Assured PNT
(MAPS)



US Navy
Precise Timing



SOCOM UAS



UK



British Army Evaluations



Royal Navy



RAF – Complex
Weapons



Vehicles & Artillery of all types



Vessels



Complex weapons

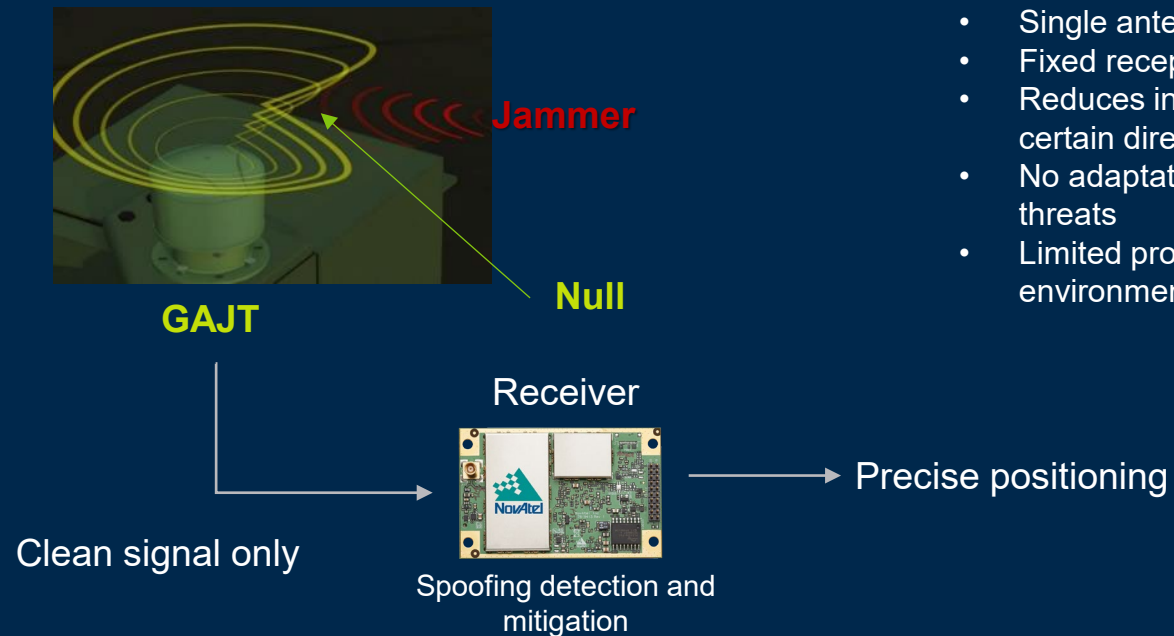


Ukraine

What makes our AJ system unique

GAJT (CRPA-based adaptive system)

- Multi-element antenna array (CRPA)
- Real-time adaptive beamforming
- Dynamically places nulls toward jammers
- Simultaneous suppression of multiple threats
- Maintains visibility of GNSS satellites
- Proven performance in dynamic, contested environments



Other products in the market adopts basic antenna (FRPA)

- Single antenna element
- Fixed reception pattern
- Reduces interference only from certain directions (e.g., horizon)
- No adaptation to dynamic threats
- Limited protection in complex environments

GAJT AE-3

Optimised for Air platforms & weapons, also in use in other applications

Suggested Antenna pairing

GAJT AE-3



Rail Mounted Option*
180 x 140 x 25 mm, 714 g



8-Element CRPA
193.5 mm dia × 34.8 mm
964 g



8-Element CRPA
201.9 × 101.6 × 37.1 mm
1,190 g

Or CUSTOM OPTION

Hexagon's in-house RF
design team specialises in
rapid antenna customisations:

Custom form-factor
Conformal

GAJT-AE3



AJ: 65 dB

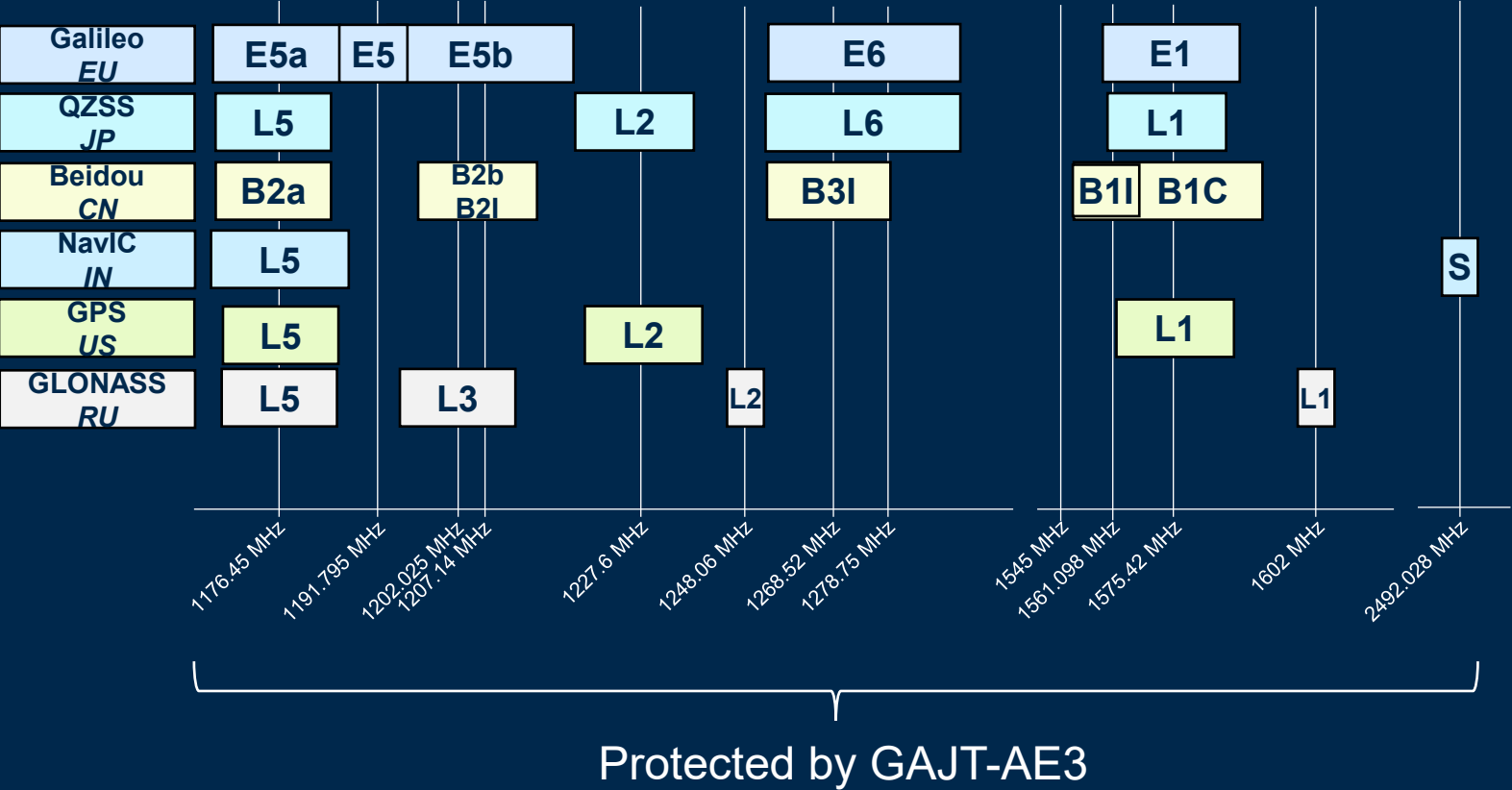
+ OEM7 65 dB



AJ+GNSS: 130 dB

GAJT AE-3

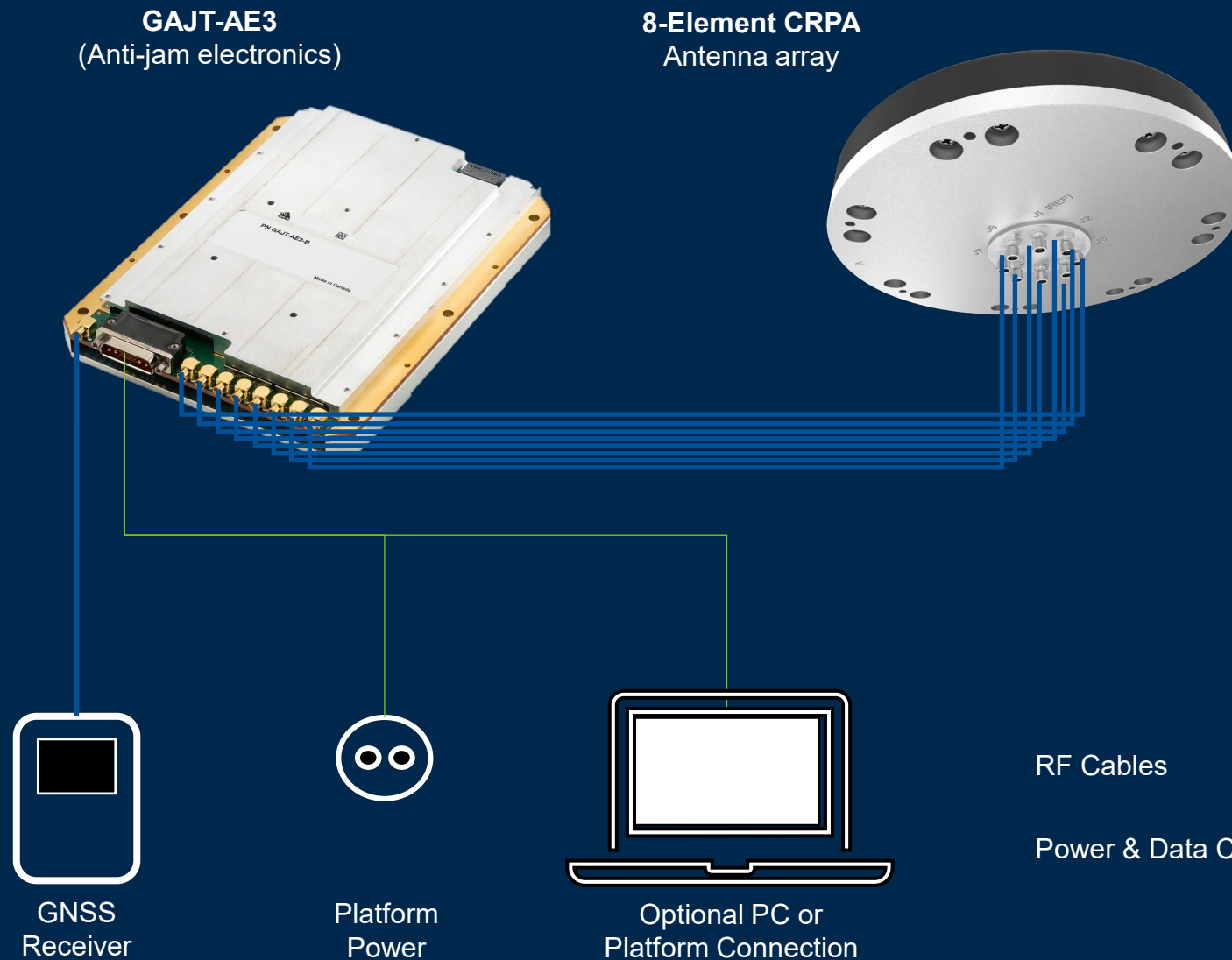
Protects multi constellation multi frequency



Galileo	E5a, E5b, E6, E1
QZSS	L5, L2C, L6, L1 C/A, L1C, L1S
BeiDou	B2a, B2I, B2b, B3I, B1C
NavIC	L5
GPS	L5, L2C, L2P, L1 C/A, L1C
GLONASS	L5, L3, L2C/A, L2P, L1 C/A
SBAS	L5, L1
L-Band*	L-Band,
Iridium PNT	Iridium PNT

* GAJT AE-3 is the only product in the world which protects multi constellation multi frequency as of June 2026

GAJT-AE3 Connections

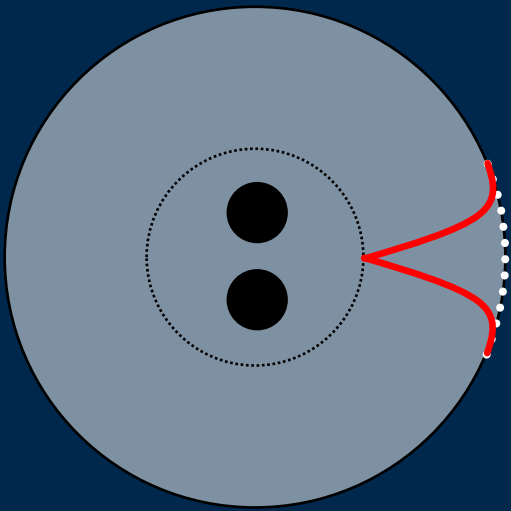


– Cabling

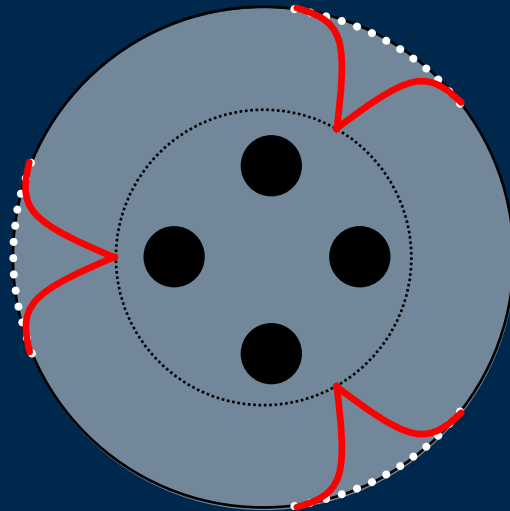
- Power and data cables are available from Hexagon | NovAtel
Part number: PD-CABLE-AE3
- RF cables need to be purchased by the user / integrator
Quick Reference Guide and Manual give detailed specifications

Comparing AJ Systems – Number of Elements

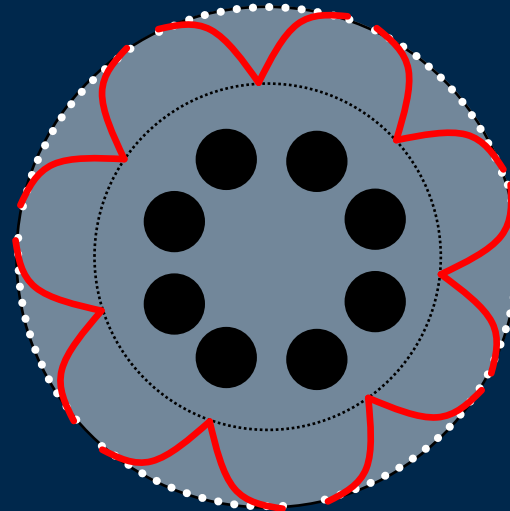
- Increasing the number of nulls reduces null depth
- Too many nulls can blank out the sky view – reduces the number of satellites seen



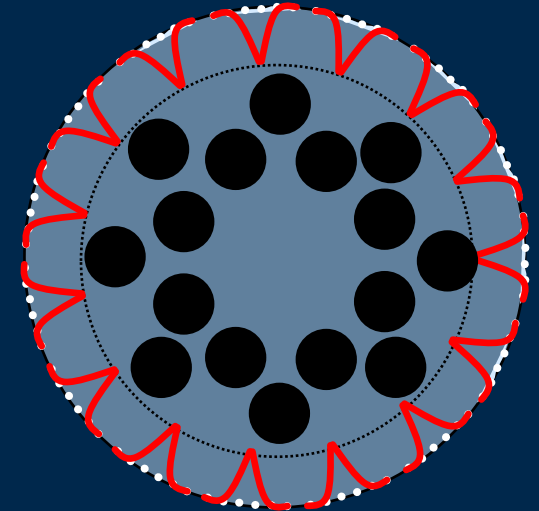
One Null:
Maximum AJ benefit



Three Nulls:
Maximum from a 4-element CRPA



Seven Nulls:
Maximum from an 8-element CRPA



Fifteen Nulls:
Maximum from a 16-element CRPA

Trade off: Increasing Nulls -> Reducing Null Depth + Reduced number of GNSS satellites seen

Anti Jam for Marine Applications

Built to “above-deck” EMC and environmental standards



Major Warships



Autonomous Surface Vessels



Patrol Vessels



Critical Infrastructure



GAJT-310



GAJT-410MS



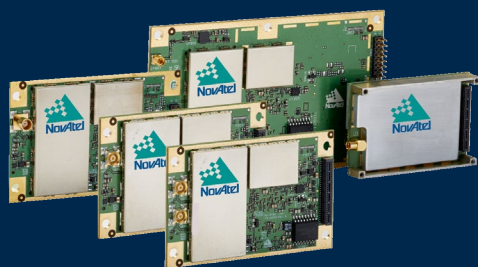
GAJT-710MS

*All available in dark
camouflage colours*

Product Highlight

NovAtel – OEM 7 Receivers provide another layer of protection

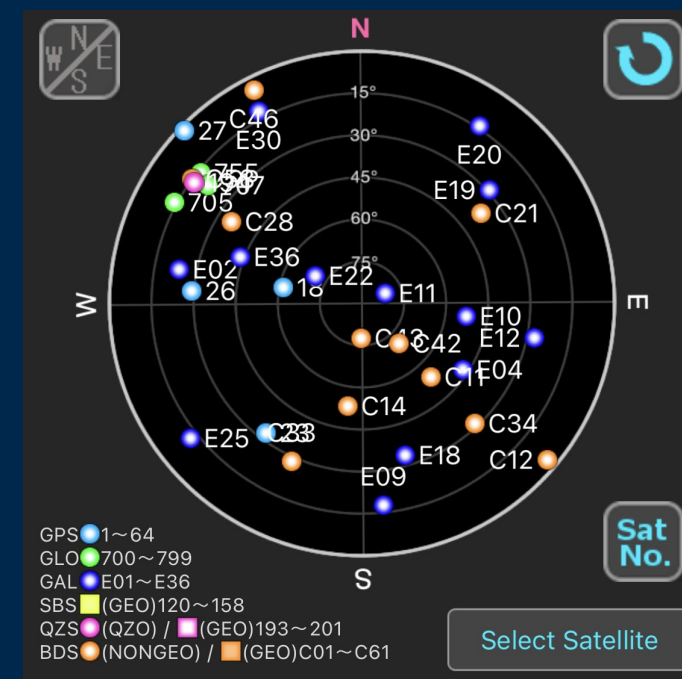
- Use all signals to increase resiliency
- Our special Defence FW reduces positioning gaps by having higher availability
- Digital filtering inside receiver detects and suppresses interference
- Advanced spoofing detection and mitigation algorithms
- Complements antenna-based solutions



EW causes position gaps & jumps of UAV, rejected by Autopilot



With our special Defence FW, no positioning gaps & reliable data, autopilot OK all the time



GPS, Galileo, GLONASS, BeiDou, QZSS
32 satellites

SPAN – Sensor Fusion

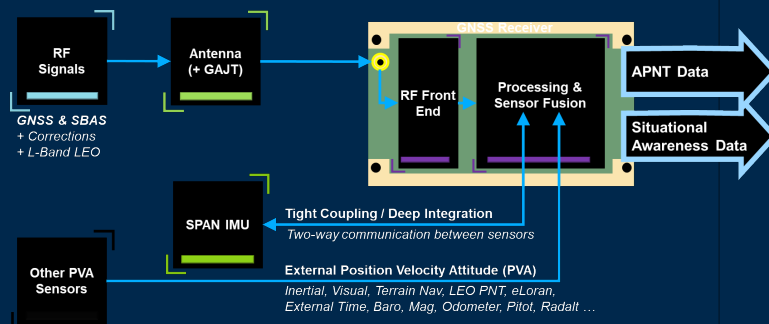
- » Resilience built on best-in-class sensors, including MCMF OEM7 and advanced algorithms
- » Classic integration is GNSS+IMU
- » Other Position Velocity Attitude (PVA) sensors can be used

Best-in-Class Sensors



- » Sensors
 - OEM7 GNSS MCMF Receivers
 - Best IMUs selected from Industry
 - External PVA sensors
Visual, Mag, Baro, Pitot, Radalt, etc

Deep & Tight Coupling Algorithm



- » Sensor feedback to GNSS receiver
 - Advanced receiver design
 - SPAN available on all OEM7
 - “Profiles” for platform dynamics

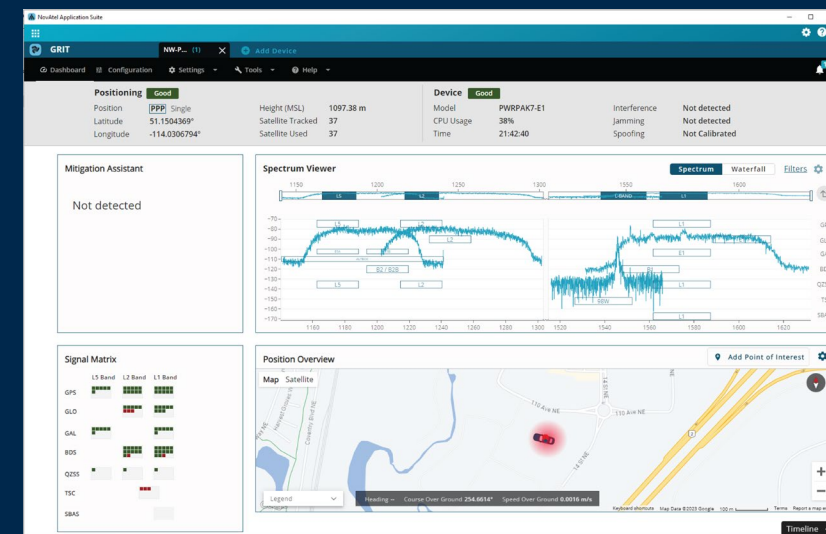
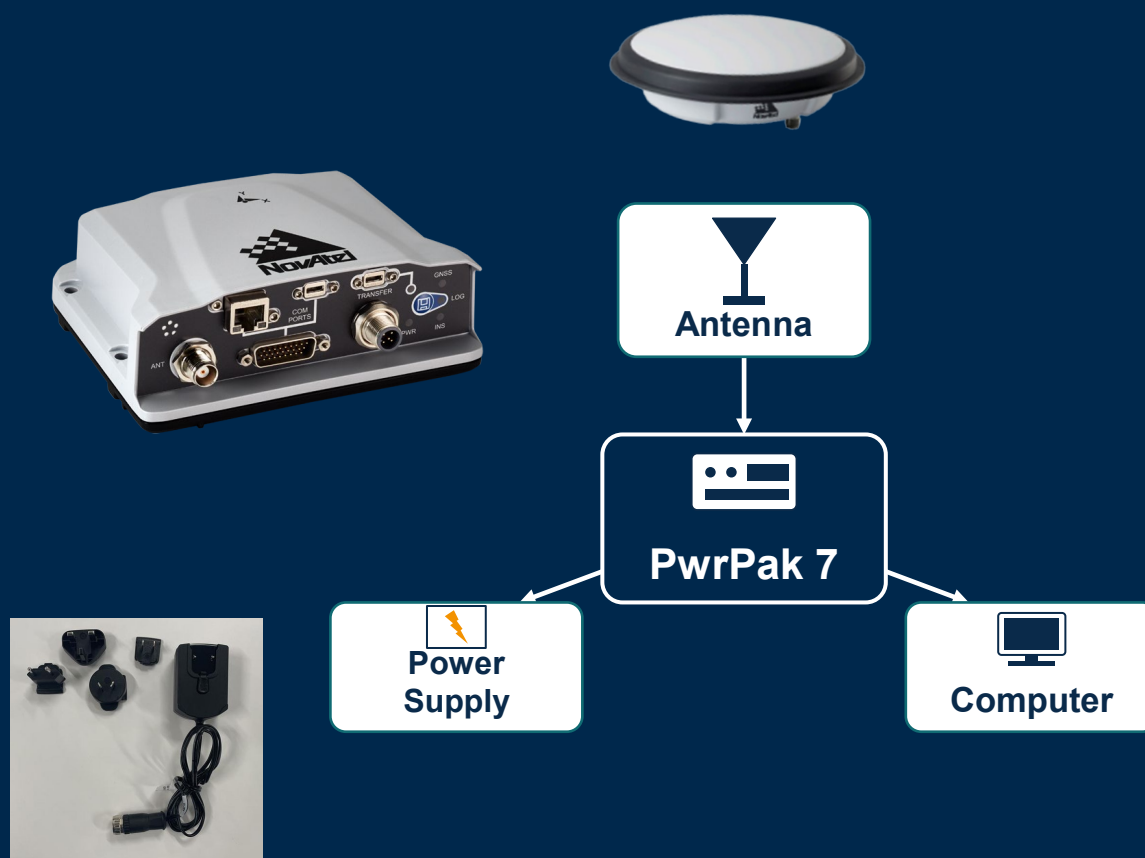
Together they create Resilient PNT



- » Deep & Tight Coupling
 - Resilient when GNSS-challenged
 - Fast recovery from outages

PwrPak 7

Interference detection and spoofing mitigation



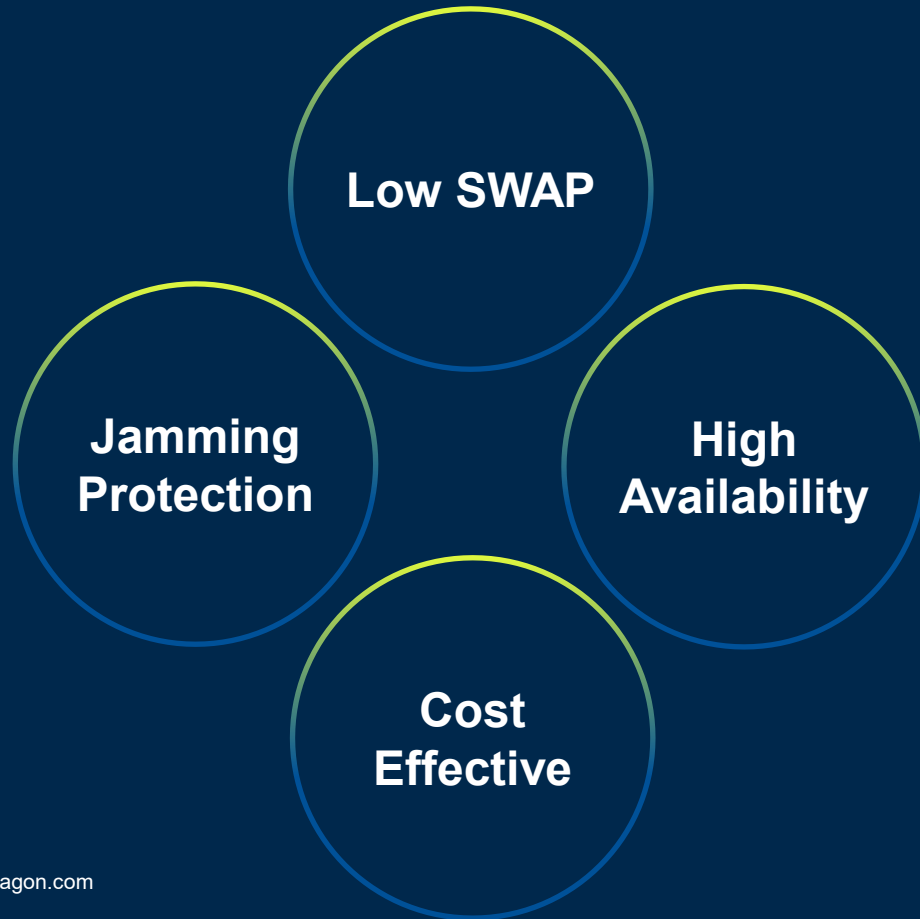
Mitigation Assistant

- Interference is being detected at 1200Mhz. 1
☒ No filter applied >
- Interference is being detected at 1205Mhz. 2
☒ No filter applied >
- Interference is being detected at 1194Mhz. 3
☒ No filter applied >

Real-time pop-up
screen detecting
jamming and spoofing

High demand for APNT for light and low-cost platforms operating in contested environments

Customer Criteria Identified





Thank you