

An aerial night-time satellite image of a coastal city, likely San Francisco, viewed from space. The city's lights are visible, and the image is overlaid with a complex network of colorful lines and points in red, blue, green, and yellow, representing sensor data or intelligence gathering. The water of the bay is dark, and a few small boats are visible. The overall scene is a high-contrast, high-tech representation of urban surveillance.

ICEYE

Sovereign intelligence. From space.

Persistent, all-weather space-based ISR for defense and intelligence organizations worldwide. From on-demand access to fully sovereign national systems.

Persistent SAR intelligence is now central to modern defense

When any location on Earth can be observed in near real time, governments that see clearly and act early hold the advantage. Reliable, persistent intelligence has become a requirement for national sovereignty.

ICEYE works with defense and intelligence organizations across the globe that need continuous, all-weather awareness of the things that matter to them: contested borders, critical infrastructure, maritime approaches, force movements, and sites of strategic interest.

Owning and operating the world’s largest Synthetic Aperture Radar (SAR) constellation, ICEYE helps defense and intelligence leaders build the intelligence capability their security situation requires, from data services accessed today through to sovereign constellations operated under national command.

Early warnings, so that change is detected before it becomes a crisis. Continuous monitoring, so patterns become visible, not only single events. Shared situational understanding that moves quickly between services, agencies, and allies.

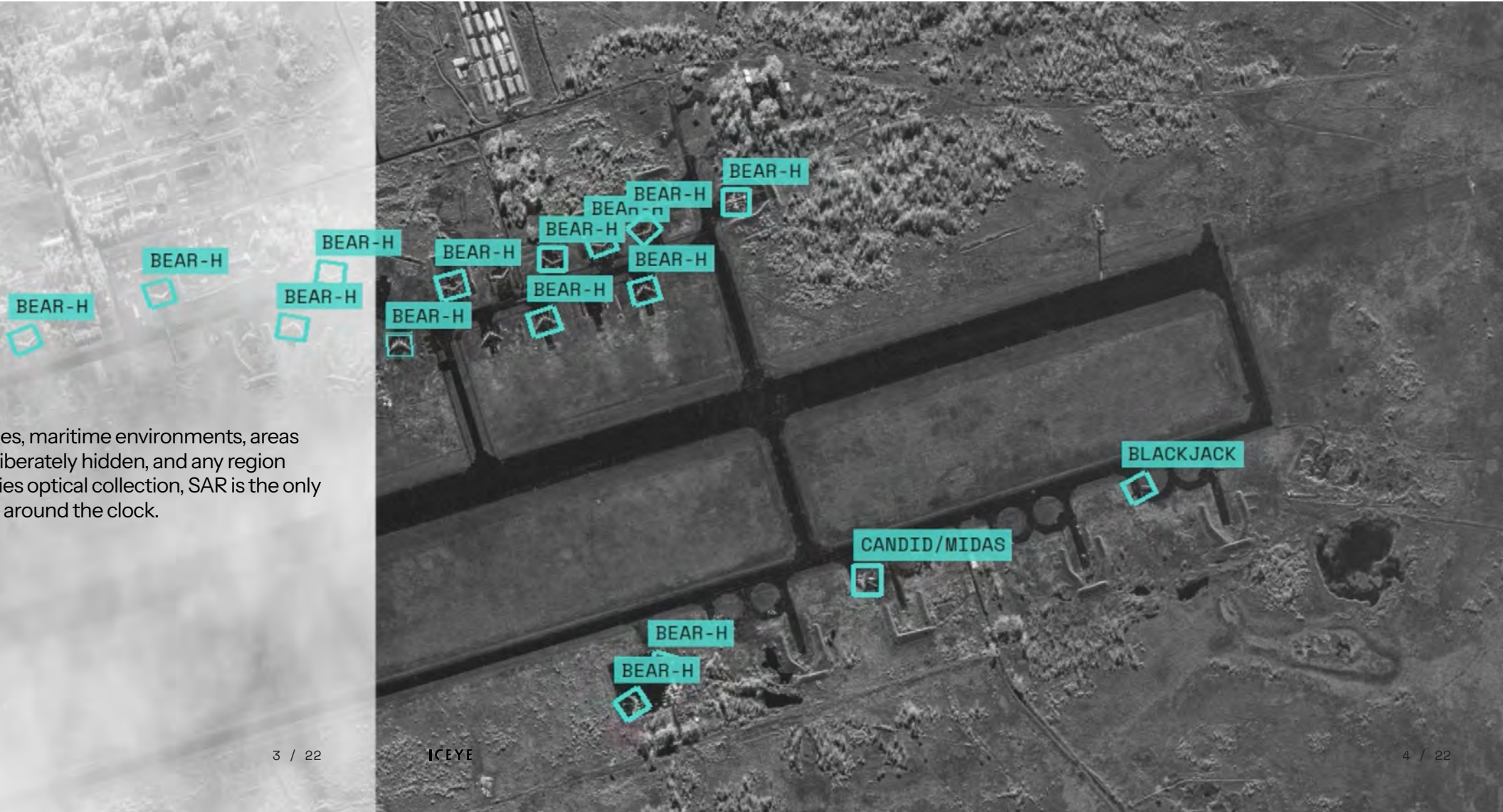


Air. Land. Sea. Any weather, day or night

In a SAR image, each pixel carries information. The radar signal bouncing back reveals what an object is made of, its shape and texture, and whether it’s moving.

The result is a detailed image of an exact location, captured at high quality regardless of weather or time of day. This means SAR data can show a metal vehicle hidden under tree cover, identify recent activity at an airfield at night, or detect a vessel that has switched off its transponder.

For northern latitudes, maritime environments, areas where activity is deliberately hidden, and any region where weather denies optical collection, SAR is the only sensor that delivers around the clock.



Defense & Intelligence use cases



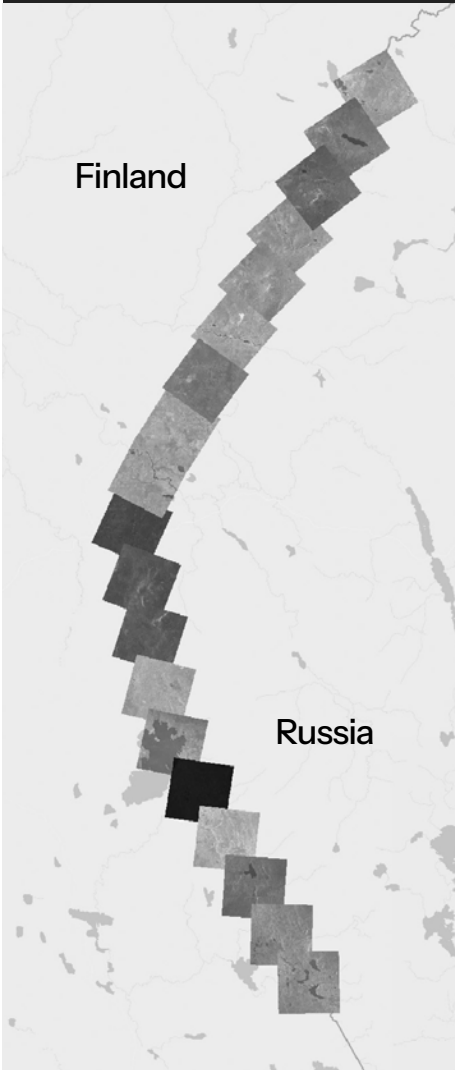
Strategic site monitoring

Observe strategic sites continuously to detect routine activities and identify deviations: unexpected aircraft arrivals, construction, or unusual movements. Surface early indicators of emerging threats or operational change.



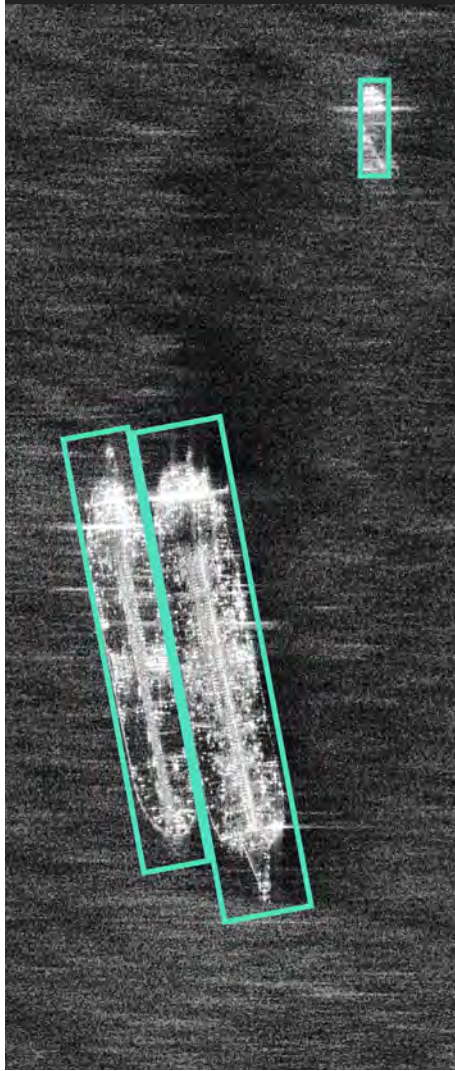
Wide-area search

Scan vast terrestrial regions to detect objects, activities, or changes of interest, such as troop movements, vehicle convoys, or the establishment of new military sites. Leverage wide-area surveillance to provide situational awareness over broad geographic zones.



Order of battle

Catalog and track adversary or allied ground forces: locations, unit compositions, equipment, and readiness. Enable analysts to understand the structure and deployment of adversary or allied land forces in a given area.



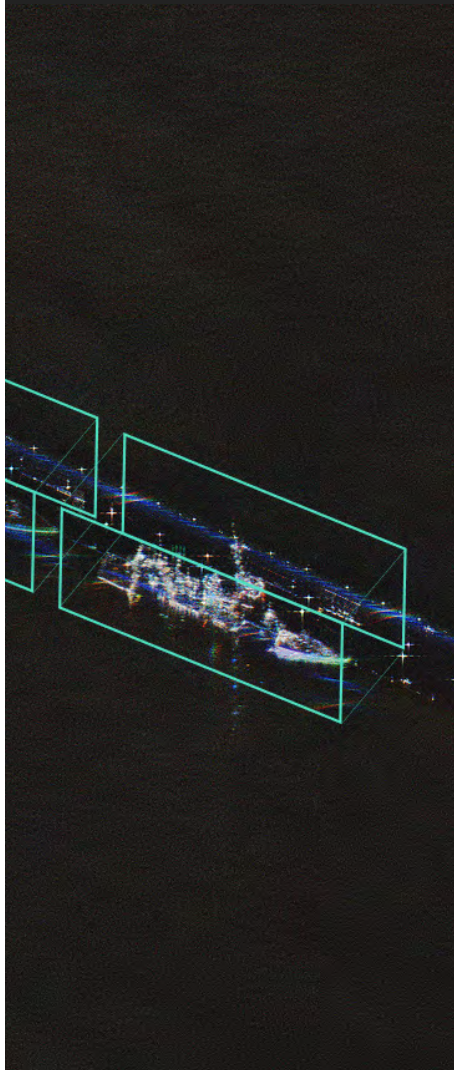
Maritime security

Shorten the decision loops and gain all-weather visibility in your maritime operations. Detect vessels across exclusive economic zones and open ocean, including those that have switched off their transponders. Monitor coastal infrastructure, and surface activity over undersea cables, and environmental incidents.



Target acquisition

Detect and geolocate specific objects or installations to support engagement decisions. Deliver actionable coordinates with the resolution, geolocation accuracy, and latency required at the tactical edge.



Battle damage assessment

Compare before-and-after imagery of a target to assess the effect of an engagement. Confirm effect, identify structural or functional changes, and inform re-engagement or reallocation.

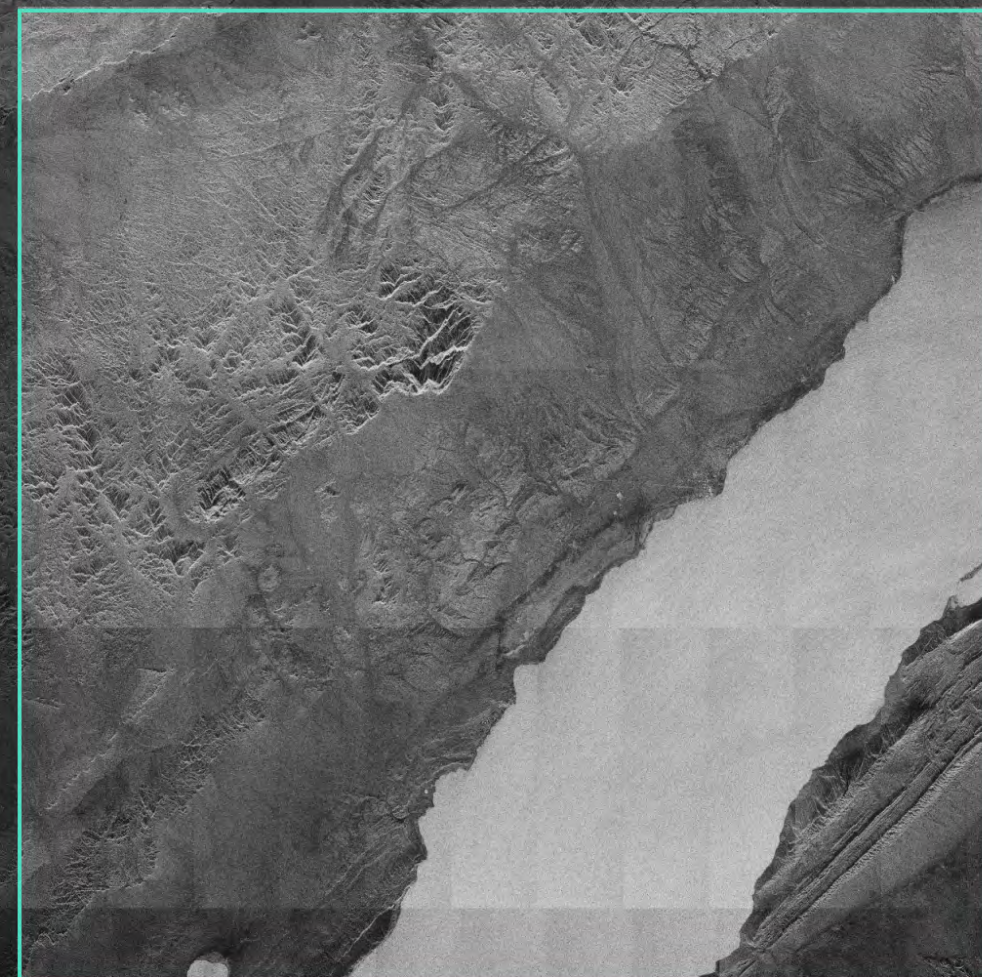


Imaging modes

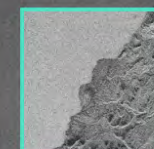
The widest range in the industry

Nine imaging modes on a single satellite platform to cover the full range of tactical and strategic ISR requirements: high-resolution dwell for fixed-site monitoring, strip for corridor surveillance, scan for wide-area search.

ICEYE SAR systems can sweep an entire sea lane for dark vessels using Scan Wide, immediately identify anomalies, and task a 25 cm Dwell Precise image on the next pass.



Scan
Scene size: 100 X 100 km
Resolution: 15 m



Spot Extended Area
Scene size: 15 X 15 km
Resolution: 1 m



Strip
Scene size: 50 X 30 km
Resolution: 3 m

Scan Wide
Scene size: 200 X 300 km
Resolution: 27 m



Dwell Precise
Scene size: 5 X 5 km
Resolution: 0.25 m

Spot / Dwell Fine
Scene size: 5 X 5 km
Resolution: 0.5 m

Spot / Dwell
Scene size: 5 X 5 km
Resolution: 1 m

From access to ownership — and everything in between

What defense organizations need from space-based ISR varies, and changes over time. A coast guard might start by ordering images from ICEYE's satellite fleet as needed. A national intelligence service may require guaranteed access during an active operation, while a defense ministry could choose to own and operate its own satellites. ICEYE supports all of these use cases and enables customers to move flexibly between them.

The table below shows five ways to work with ICEYE. Each is a complete offering in its own right, and customers can combine them as needs evolve. Investments carry forward: hardware, trained analysts, and workflows from one option support the next. Tasking authority stays with the customer at every level. Sovereign systems are available within 12 months of contract signature, a timeline that legacy programs measure in years.

	Standard tasking	Tactical Access	Dedicated capacity	Sovereign mission	Federation
Tasking Priority	First-in, first-out	Dedicated passes reserved for customer	Dedicated satellite capacity	Fully owned sovereign satellites	Fully sovereign satellites combined with allied capacity
Satellite Operator	ICEYE	ICEYE	ICEYE	Customer	Customer
Deployment Time	Days	Days	Days	< 12 months	< 12 months
Deployment model, cloud layer	Cloud	Cloud, On-prem EDGE processing	Cloud, On-prem EDGE processing	Sovereign ground segment	Sovereign ground segment
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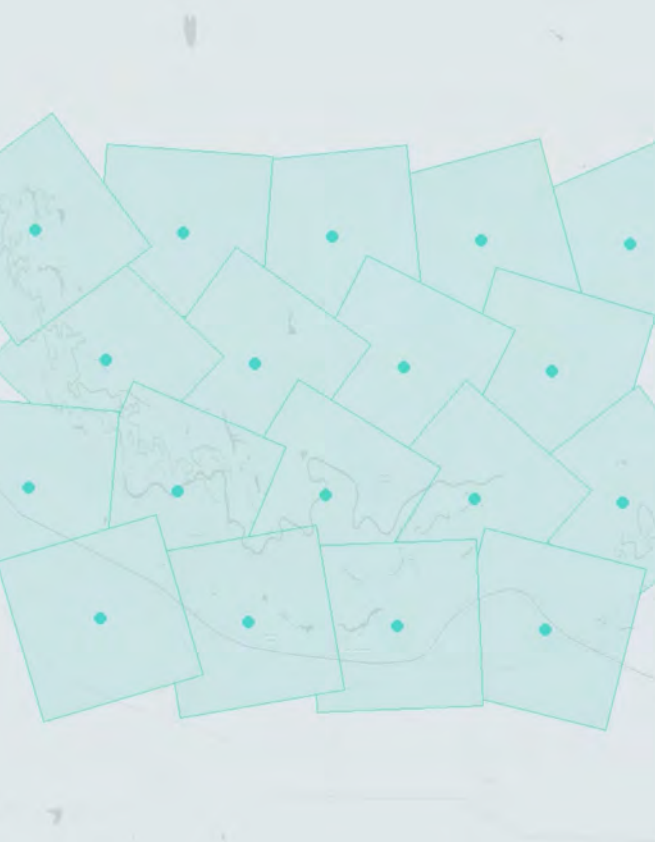
Customers can occupy multiple cells at once. Investments carry forward. The antenna deployed for Tactical Access serves a Dedicated capacity contract. The EDGE processor supports a sovereign mission. Analysts trained on ICEYE products keep the same tools when the constellation becomes national.

Standard tasking

Order individual SAR scenes from the full ICEYE fleet. Benefit from on-demand, scene-based worldwide imaging with no hardware required.

Best fit applications

- Dark vessel detection and interdiction of illegal, unregulated, or unreported (IUU) fishing across maritime zones
- Pattern-of-life monitoring of ports, naval activity, and economic infrastructure
- Large-area search over land for force movements, convoys, and new facilities



Maritime domain awareness over an EEZ.

A coastal authority monitors a 400,000 km2 EEZ. Daily Scan Wide collections, 8-hour delivery, Detect & Classify applied at delivery. Six analysts produce a maritime situational awareness briefing by mid-morning. The loop runs on a 24-hour cycle.

Priority / access	Standard tasking queue, shared fleet
Order cutoff	12 hours before collection
Revisit rate	Up to ~28 revisit opportunities per day, at most latitudes
Delivery via cloud	1, 3, or 8 hours after collection
Delivery via EDGE + private antenna	Not available (cloud delivery only)

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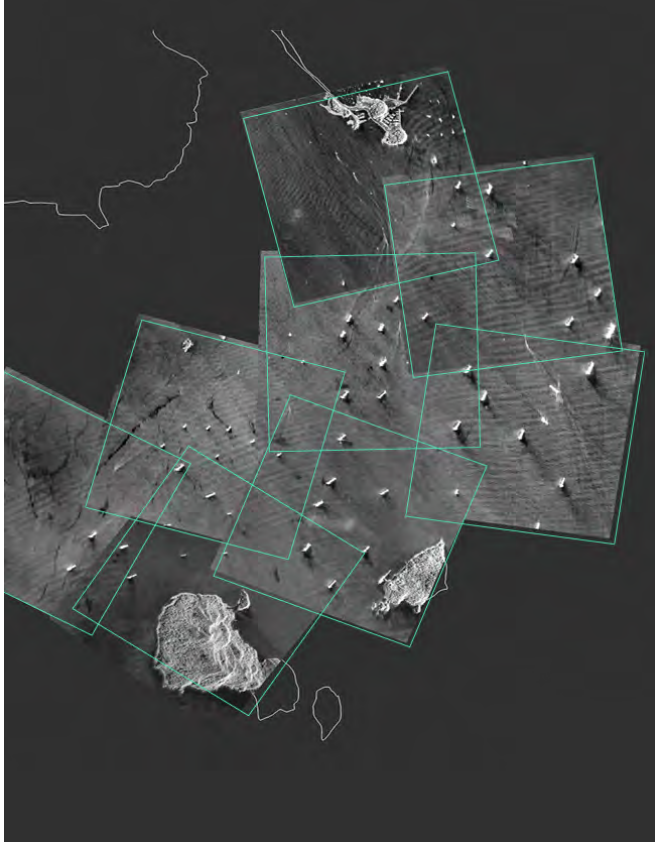
Get assured priority and late-stage, flexible tasking in one bundle

Tactical Access

Reserve passes on the full ICEYE fleet with assured priority. Drop the ordering window from twelve hours to under two. Deliver via the global ICEYE CONNECT ground network, or pull data straight to a local antenna and EDGE processor for sub-twenty-minute end-to-end delivery.

Best fit applications

- Site monitoring of airfields, missile facilities, and strategic land sites with anomaly detection
- Order of battle assessment across air, land, and port forces
- Tipping and cueing to direct collection toward emerging targets within the operational shift



Persistent monitoring of high-value sites in an active conflict.

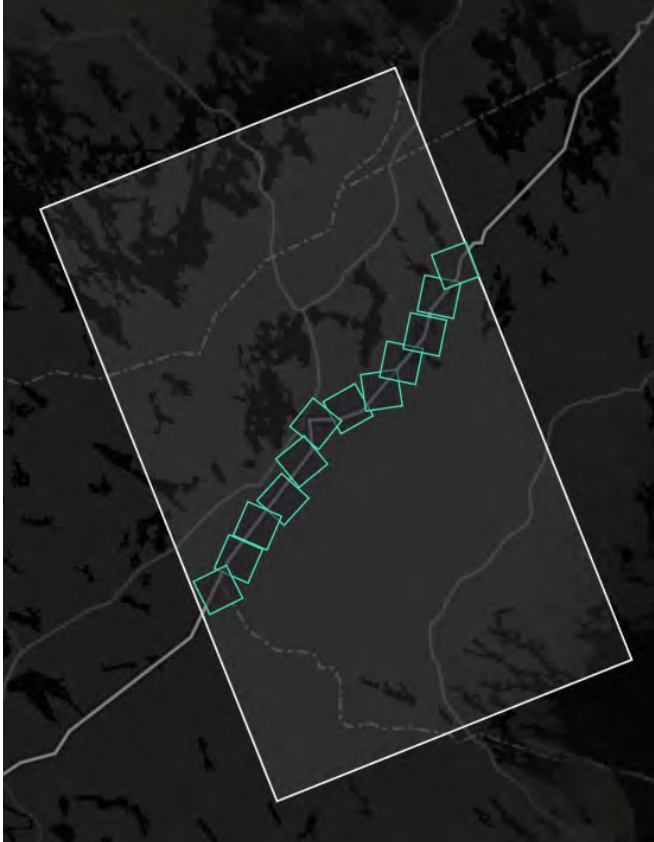
A national GEOINT center tracks airfields, staging areas, and logistics hubs 2,000 km from its border. Spot Fine and Strip imagery, targets adjusted same-day. Analysts brief national command twice daily. The loop runs hourly.

Priority / access	Assured priority, skips the standard tasking queue
Order cutoff	From 40 minutes (guaranteed) to 15 minutes (typical) before collection
Revisit rate	Up to ~28 revisit opportunities per day, at most latitudes (assured priority on the full ICEYE constellation)
Delivery via cloud	1 hour after collection on average
Delivery via EDGE + private antenna	Under 20 minutes, via local antenna and ICEYE ground equipment

Own the revisit
Without owning the satellite

Dedicated satellite

Specific ICEYE satellites are assigned to your contract. Every pass over your area of interest belongs to you. No arbitration. No FIFO queue. Predictable collection schedules you can plan operations around.



Persistent regional surveillance and deterrence.

A defense ministry secures predictable collection over a 300 km contested border. Dedicated satellites cover the primary zone. Tactical Access covers the rest of the country. The same operators, the same workflow, the same data formats they will keep when the country graduates to its own sovereign mission.

Best fit applications

- Border control and Exclusive Economic Zone (EEZ) enforcement with guaranteed revisit over a defined zone
- Persistent surveillance of high-value strategic sites, missile facilities, and undersea infrastructure
- Tactical targeting and time-sensitive engagement supported by predictable collection

Priority / access	Highest, exclusive use of your committed satellites
Order cutoff	As short as 40 minutes before collection
Revisit rate	Up to ~28 revisit opportunities per day, at most latitudes (combined with ICEYE constellation)
Delivery via cloud	1 to 3 hours after collection
Delivery via EDGE + private antenna	Under 20 minutes, via local antenna and ICEYE ground equipment

A complete system
From tasking to decision

The sovereign mission



ICEYE
Operating System

IceOS is ICEYE’s operating system. It runs satellite tasking, orbit management, ground station scheduling, SAR processing, and data delivery. Deployed on-premises, it gives customer personnel full operational control from day one.



ISR
Cell

A deployable ground unit that runs the full ISR loop from a military-grade container. Compresses the loop from collection to intelligence dissemination to minutes. Proven in military exercises.



Space Command
Platform (SCP)

SCP turns distributed satellite capacity into a single operational asset under one chain of command. The space commander allocates access across all military domains and users without losing authority or control.



Automatic Target
Recognition (ATR)

ATR finds and identifies targets at machine speed. One model scans large image volumes and automatically detects and classifies military objects across air, land, and sea, cutting analyst workload while sharpening accuracy.



ISR
Analytics

ISR Analytics gives analysts command of the full PED loop. Manage multiple collection requests in parallel, run exploitation workflows without bottlenecks, and push timely intelligence, including targeting data, straight into your C4ISTAR systems.



Strategic Intelligence
Platform (SIP)

SIP turns persistent multi-sensor collection into continuous intelligence. It fuses satellite data with open source and customer-specific sources into one layer where AI detects, correlates, prioritizes, and triggers next actions. Analysts query in plain language and get decision-ready answers in seconds.

Sovereign mission

Proven in conflict, delivered in months

Your satellites, registered as national assets. ICEYE delivers each mission as a complete package: ground infrastructure, software, analytics, and tactical exploitation tools. Built in Europe, ITAR-free, and designed to compress the time from a commander’s request to an intelligence product.



Your system. No foreign dependencies

ICEYE satellites are operated exclusively by your personnel. Tasking, processing, and data storage run on infrastructure you own. No third party has access to your data or operational decisions. The entire system runs on ICEYE’s operating system that receives continuous updates, delivering new capabilities to your constellation without replacing hardware.

Validated in real conflict

ICEYE systems have produced thousands of intelligence products for armed forces in active combat, directly supporting strike planning and force protection. NATO has selected ICEYE as a vendor for space-based ISR. European and allied nations are building their sovereign constellations on ICEYE technology.

Operational in 12 months

Your first satellite launches within 12 months of contract signature. Ground segment installation, training, and commissioning run in parallel. Your teams begin operating on SAR data from the ICEYE constellation from day one, building analyst workflows and operational procedures before your own satellites reach orbit.

Share capacity with allies

Federation

Nations do not need to choose between sovereignty and interoperability. The architecture is designed for both at once. You keep full ownership of your satellites, your ground segment, and your data. At the same time, you gain the reach of every ally you choose to work with.

Federation turns separate national systems into one shared capability. When you cooperate with an ally, each side still controls its own assets. What changes is what you can see and how quickly you can see it. A partner can cover an area you cannot reach today, and you can do the same for them tomorrow.

The result is coverage and revisit that no single nation could afford alone. You invest in your own system once and grow its value each time a new partner joins. Your capability gets stronger as the network grows, without adding a single satellite of your own.

You stay in command of your contribution. You decide what to share, with whom, and when. Nothing is automatic and nothing is permanent, so trust between partners holds and every nation keeps control of its own part.

Tasking across borders

SCP coordinates collection plans between national constellations. One ally tasks. Another collects. Each retains custody.

Shared situational awareness

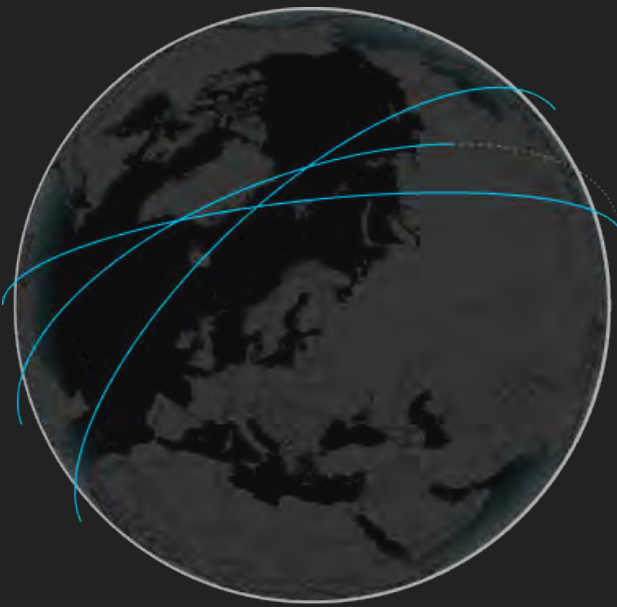
Common data formats and analytics let coalitions build one operational picture from distributed sources.

Sovereignty intact

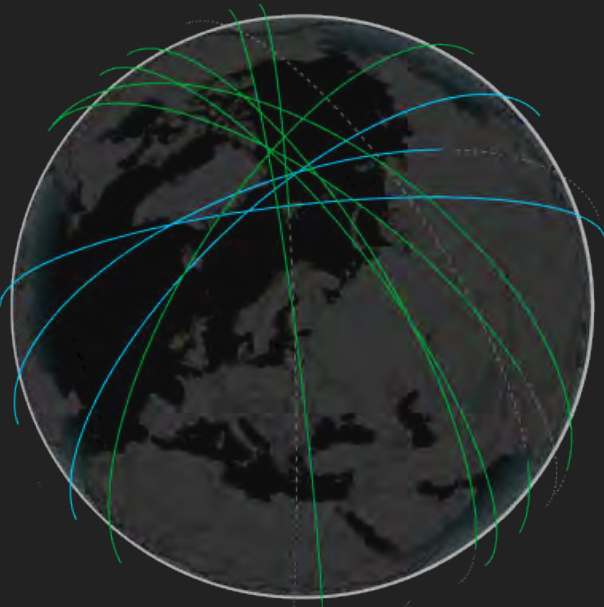
No nation gives up control of its own satellites, ground or classified data to participate.

Scale beyond your sovereign fleet when it matters the most

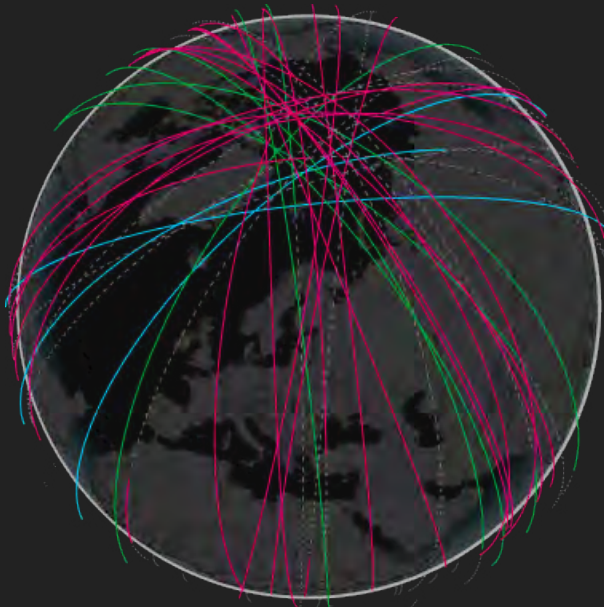
Space Command Platform



Sovereign



Sovereign + Federated



Sovereign + Federated + Commercial

Invest in sovereignty. Scale through federation.

SCP gives you access to allied and commercial capacity the moment a crisis exceeds your fleet.

When demand spikes, SCP scales instantly. Federated capacity added through SCP is immediately available to task and distribute.

The leader in intelligence from space

Proven in active conflict

ICEYE systems have been used in an active war. When you task a satellite, you are using the same technology that has been stress-tested where the stakes were real.

Capability from day one

Start building capability immediately, not after delivery. Access data from the moment a contract is signed. Your sovereign system is operational within twelve months of order.

Trusted by nations

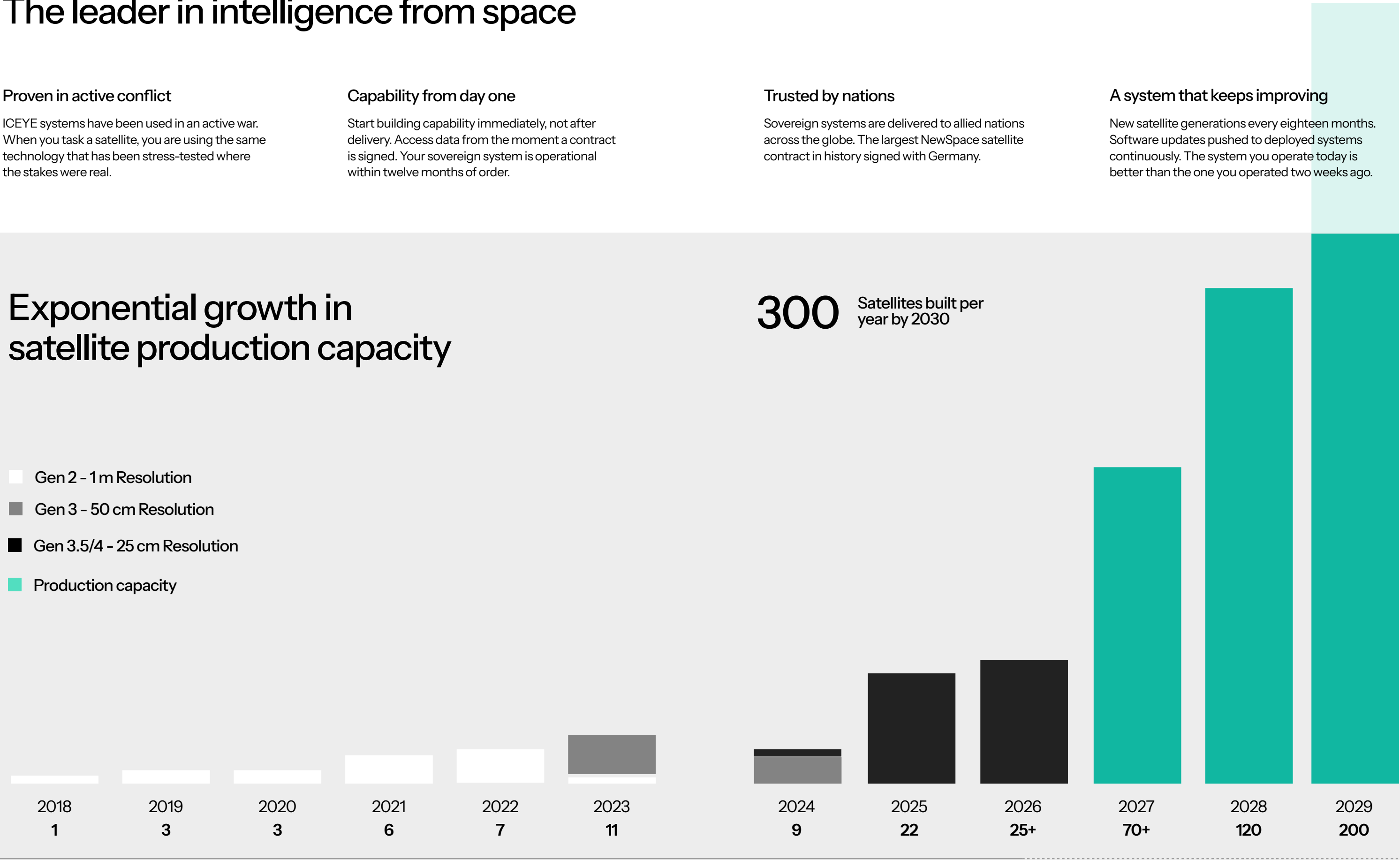
Sovereign systems are delivered to allied nations across the globe. The largest NewSpace satellite contract in history signed with Germany.

A system that keeps improving

New satellite generations every eighteen months. Software updates pushed to deployed systems continuously. The system you operate today is better than the one you operated two weeks ago.

Exponential growth in satellite production capacity

- Gen 2 - 1 m Resolution
- Gen 3 - 50 cm Resolution
- Gen 3.5/4 - 25 cm Resolution
- Production capacity



300 Satellites built per year by 2030

Satellite manufacturing

Satellite production capacity

ICEYE

Faster decisions for a
safer future.

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