



About Hexagon

Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. Hexagon's Safety, Infrastructure & Geospatial division empowers armed forces and defence companies with geospatial intelligence and real-time situational awareness capabilities across air, land, sea and joint operations. With Hexagon's solutions, customers can produce, analyse and manage geospatial information and develop fast, precise and powerful C4ISR applications. When information is the difference between success and failure, the defence industry relies on Hexagon. Our wide range of innovative solutions empower defence and intelligence agencies to make high-confidence decisions rapidly.



Collect

richly detailed information about your mission space with our sensors



Harness

the power of all your data and interconnected assets with our platforms



Experience

your mission space in new and revealing ways with our Smart Digital Realities

Visit [hexagon.com/industries/defence](https://www.hexagon.com/industries/defence)

Scan for more information



Hexagon's education for defence programs

Military forces use geographic data in a variety of applications including cartography, intelligence, battlefield management, terrain analysis and more. Having a trained and educated force to call upon is paramount to any defence force, whether it's remote sensing, military installation management or monitoring of possible terrorist activity. Hexagon supports these efforts by providing education programs featuring innovative software tools that visualise and analyse dynamic information, allowing users to solve defence challenges and make operational decisions with confidence.

Some example use cases for geographic data in defence include:

Conflict

General damage assessment
Localised earthworks
Damage assessment of

- Buildings
- Bridges

Determining blast range
Determining point of impact

Estate management

Forest fires
Localising fire alleys
Calculating burned are
Detecting and assessing water intake points
Determining supplies suitable for water planes
Mapping natural recovery
Training area management

Maritime

Localising shipwreck
Post-conflict pollution
Landing zones
Vessel tracking

UMVs

Detection in airspace
Imagery usage
Onboard navigation
Real-time, full motion video viewing

Asset monitoring

Plane counting
Logistics routes and dumps

GeoINT

Change detection and reporting
Charting and mapping (e.g., LFC, MGCP)
Land classification
Data management
Intel fusion
Helicopter landing zones
Locate camp (barracks) site
Border monitoring

Natural

Assessing useability of roads
Anti-poaching

Hexagon's Power Portfolio provides tools for remote sensing and geospatial data analysis. Manage, integrate and analyse vast amounts of data, geospatial or not, for visualisation and exploitation in a dynamic common operational picture. Hexagon provides solutions to collect, manage, integrate, visualise and analyse large amounts of mission-critical data for defence operations.

Hexagon's education programs include student, campuswide and classroom licencing. Resources include curriculum material for remote sensing, photogrammetry and geographic information system (GIS) use cases. Access to relevant online learning portal, community, support and tutorials is included for students and staff. Hexagon and partners can provide remote and on-site lectures, training and materials.

To discuss more, contact us: defence.emea.sig@hexagon.com

Overview of education packages:

<https://hexagon.com/company/divisions/safety-infrastructure-geospatial/education-program>

Overview of defence and intelligence: <https://hexagon.com/industries/defence>

