

— DEFENCE MISSION PLANNING PLATFORM

# Plan the ground. Before you take it.

The sand model, **digitised.**

A fully immersive VR mission-planning platform for the Indian Armed Forces — a shared, three-dimensional terrain your commanders walk through together, before a single soldier moves.



# HOLOMAP

WHAT HOLOMAP IS

A shared, three-dimensional terrain your commanders walk through together — before a single soldier moves.

Holomap is the sand model, digitised — a fully immersive VR mission-planning platform for the Indian Armed Forces. It replaces the paper map and the physical sand model with the terrain itself: built to scale from your own map sources, entered through VR headsets, and rehearsed in full before any movement on the ground.

It is deployed entirely on your infrastructure — on-premise and airgap-ready — and is built, owned, and serviced by IDEA Foundation, an Indian deep-tech engineering organisation. This brochure sets out what Holomap does, how it is deployed, and how it is procured.

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— WHY HOLOMAP —

## Planning still runs on paper and sand.

Two tools have carried mission planning for two hundred years. The paper map is flat — its terrain a set of contour lines each officer must assemble, alone, in their own head. The sand model is three-dimensional, and for that reason has always been the better instrument.

But the sand model is sand. Hours to build by hand. Impossible to save, impossible to run forward, swept flat the moment the briefing ends.

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**Holomap keeps the idea.  
It removes the sand.**

THE SAND MODEL — DIGITISED, PERMANENT,  
REPEATABLE

— WHAT WE'RE DIGITISING

# The sand model, made permanent.

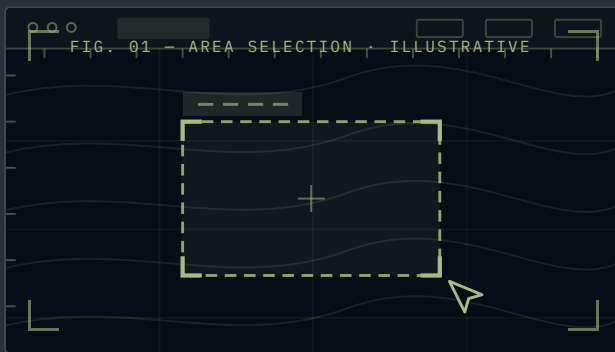
Holomap is a direct replacement for the physical sand model and the paper map — the same three-dimensional terrain a commander already trusts, with none of the constraints of sand.

	PHYSICAL SAND MODEL	HOLOMAP
BUILD TIME	Hours to days, shaped by hand.	Minutes, generated from your own map sources.
FIDELITY	Approximated by eye, to rough scale.	Built to scale from your GIS elevation data.
REHEARSAL	A static snapshot, frozen in time.	Run the plan forward at compressed time.
CONDITIONS	No fog. No night. No weather.	Fog, rain, and night — rehearsed on demand.
PRESENCE	Everyone in one room, around one table.	Commanders joined from separate secured sites.
PERSISTENCE	Swept flat when the briefing ends.	Saved, branched, and versioned in full.

HOW IT WORKS

# Three steps, from your secure browser to a shared 3D terrain.

Holomap turns terrain into a shared, walkable model in three moves — each one inside your own secure network, on infrastructure you control. No data leaves the deployment perimeter at any stage.



01 / 03

## Select.

From the Holomap web application, your commander selects any area of operations — using your own map sources, on your secure network. Terrain is built to scale from your GIS elevation data in minutes.

◆ HOLOMAP WEB APPLICATION

02 / 03

## Plan.

Your officers step into the same 3D terrain through VR headsets. They place soldiers, vehicles, bunkers, and obstacles, and draw movement routes — together, in one shared session.

◆ SHARED VR PLANNING ENVIRONMENT



03 / 03

## Rehearse.

Press play. The plan executes at compressed time. Run it under fog, under night. Save the scenario, and hand it forward — in full fidelity — to the next commander.

◆ COMPRESSED-TIME REHEARSAL






SCALE & IMMERSION

# Look down on it. Then stand inside it.

Holomap is not fixed to a single scale. Hold the whole area of operations as a model on the table in front of you — then zoom, without a cut, down to true 1:1 scale and stand inside the terrain, reading the ground a full 360° around you.



 <p><b>Table scale</b></p> <p>Hold the entire area of operations as a model on the briefing table — the commander's overview, at a glance.</p>	 <p><b>Continuous zoom</b></p> <p>Move from overview to eye level in one unbroken motion — no scene changes, no cuts.</p>	 <p><b>360° on-location</b></p> <p>Stand in the terrain at true scale and read the ground a full 360° around you, as if you were there.</p>
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CAPABILITIES

# Built for the realities of mission planning.

Six capabilities that separate a rehearsed plan from a hopeful one — each engineered for secure, indigenous deployment.



01

## Multi-user VR

Concurrent headsets scaled to your requirement — up to fifty in one shared session, together in a room or across separate secured sites.



02

## Indigenous map sources

Compatible with your own GIS tiles. No mandatory foreign servers, and no external dependency for terrain.



03

## Asset library

Soldiers, vehicles, bunkers, obstacles, and water bodies — with custom platforms modelled on request.



04

## Movement simulation

Draw routes, run the plan at compressed time, and see where movement converges and where gaps open.



05

## Weather & time-of-day

Rehearse the same plan under fog, rain, night, and clear conditions — and see how each affects the ground.



06

## Scenario versioning

Save, branch, and hand forward complete planning sessions with full fidelity to the next commander.

V1.0 FEATURE CATALOGUE

# The full capability set.

Holomap V1.0 ships with the capabilities below. Final configuration is tailored to your formation, with specifications confirmed at briefing.

PLANNING ENVIRONMENT

- ◇ **Terrain generation**  
Built to scale from your GIS elevation data, in minutes.
- ◇ **Indigenous map sources**  
Compatible with your own tiles; no foreign servers required.
- ◇ **Web-based selection**  
Area of operations selected from a standard secure browser.

ASSETS & ANNOTATION

- ◇ **Standard asset library**  
Soldiers, vehicles, bunkers, obstacles, water bodies.
- ◇ **Custom platforms**  
Additional asset types modelled on request.
- ◇ **Routes & annotation**  
Movement routes and objectives drawn directly in 3D.

SIMULATION & REHEARSAL

- ◇ **Compressed-time playback**  
Run the plan forward at accelerated time.
- ◇ **Convergence analysis**  
See where movement converges and where gaps open.
- ◇ **Repeatable rehearsal**  
Replay a plan under varied conditions.

ENVIRONMENT & CONDITIONS

- ◇ **Time of day**  
Rehearse under day, dusk, and night.
- ◇ **Weather**  
Fog, rain, and clear conditions.
- ◇ **Line of sight**  
Observe how conditions affect visibility.

COLLABORATION

- ◇ **Multi-user VR**  
Up to fifty concurrent headsets per session.
- ◇ **Multi-site sessions**  
Commanders joined across separate secured sites.
- ◇ **Scenario versioning**  
Save, branch, and hand sessions forward.

DEPLOYMENT & ACCESS

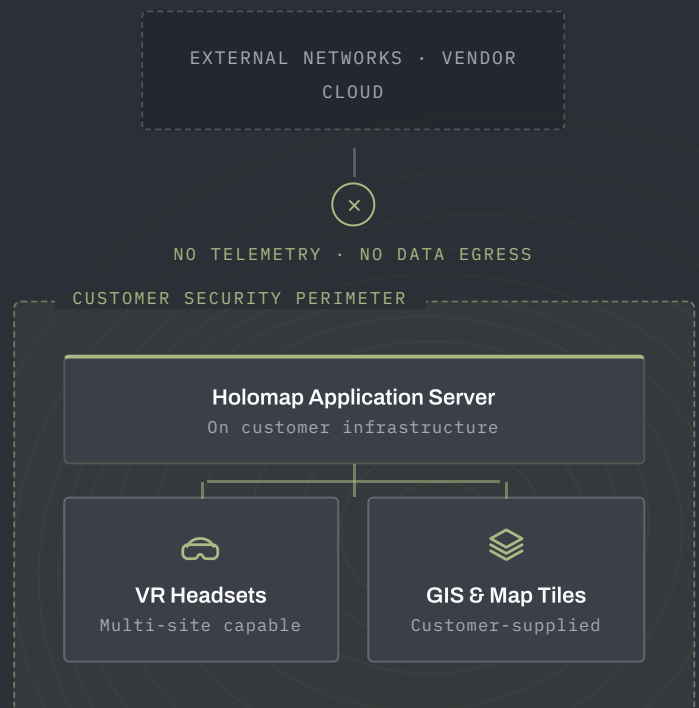
- ◇ **On-premise installation**  
Deployed on customer-controlled infrastructure.
- ◇ **Airgap-ready operation**  
Full operation without internet access.
- ◇ **Role-based access**  
Administrator and commander roles.

DEPLOYMENT & SECURITY

# Your network. Your data. Your control.

Holomap is deployed entirely on customer-controlled infrastructure. There is no mandatory dependence on external cloud services, no telemetry to our servers, and no scenario data leaves the deployment perimeter.

- ✓ On-premise deployment on customer infrastructure.
- ✓ Airgap-ready — full operation without internet access.
- ✓ Encryption in transit and at rest.
- ✓ Source code escrow available subject to commercial terms.



WHO IT'S FOR

# From the formation commander to the platoon leader.

01



## Formation Headquarters

Plan brigade and division-level operations across multiple terrain sectors with synchronised situational awareness.

BRIGADE /  
DIVISION

02



## Unit Commanders

Rehearse battalion and company-level missions with assigned officers in the same 3D terrain.

BATTALION /  
COMPANY

03



## Training Establishments

A permanent terrain-rehearsal capability for courses, exercises, and after-action review.

SCHOOLS /  
ACADEMIES

HOW TO BUY

# A complete deployment, configured to your formation.

Holomap is procured as one configured deployment — software, hardware, and services — sized to your formation and installed on your infrastructure.



SOFTWARE · 01

## Holomap Licence

Perpetual on-premise licence to the Holomap web application, installed and run on customer infrastructure.



HARDWARE · 02

## VR Headsets

Qualified headsets sized to your requirement — single-user, formation-level, or multi-formation deployments.



SERVICES · 03

## Deployment, Training & Support

On-site installation, role-based training for commanders and administrators, and annual maintenance and patch support.

Configuration and pricing on enquiry.

ABOUT IDEA FOUNDATION

# 10+ years building deep technology for the people defending the country.

IDEA Foundation is a deep-tech research and engineering organisation based in Panchkula, Haryana. We build artificial intelligence, geospatial, and immersive systems for the Indian Armed Forces and allied agencies — Holomap is one of our products.

## 10+ yrs

Cumulative leadership experience building deep-tech systems for defence and government use.

## Multi-year

Sustained delivery and support of secure, on-premise, and air-gapped systems for defence and government environments.

## 3 disciplines

Artificial intelligence, immersive systems, and geospatial intelligence — engineered in-house.

TRACK RECORD

SECURE DEPLOYMENT

### Air-Gapped Systems

- On-premise, customer-controlled networks
- Operation without internet access
- Tested against adversarial conditions

DEFENCE & GOVERNMENT

### Mission-Grade Systems

- Big-data and analytics platforms
- Mission planning and command systems
- Geospatial intelligence platforms

IN SERVICE

### Long-Term Support

- Maintenance and patch support
- Multi-year, in-service engagements
- On-site training and administration

DISCIPLINES

AI / ML

### Artificial Intelligence

Machine learning for command systems and intelligence analysis.

IMMERSIVE

### Immersive Systems

Immersive VR and AR environments for rehearsal and training.

GEOSPATIAL

### Geospatial Intelligence

Terrain modelling and satellite-imagery analytics.

Specific programme names and references available under NDA on enquiry.

— REQUEST A BRIEFING

# See Holomap in a one-hour briefing.

We bring headsets sized to your requirement, a laptop, and a terrain of your choice. We leave with your inputs for V2 — and you keep a working picture of the capability.

ENQUIRIES

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We respond within two working days.

IDEA FOUNDATION

**Panchkula, Haryana**

India — indigenously developed and serviced.