

NEO SPACE GROUP · SPOTLIGHT SESSION

From Orbit to Outcome

Space-based IoT for mission-critical
operations, assets and sustainability

13 OCT 2026



A PIF COMPANY

► When Terrestrial Networks End

The asset hasn't disappeared. Our ability to see it has.

◆ 01 · THE CHALLENGE

01

Connectivity Gap

Deserts, borders and offshore sites lie beyond terrestrial coverage.

02

Visibility Gap

We lose sight of where assets are and what condition they're in.

03

Decision Delay

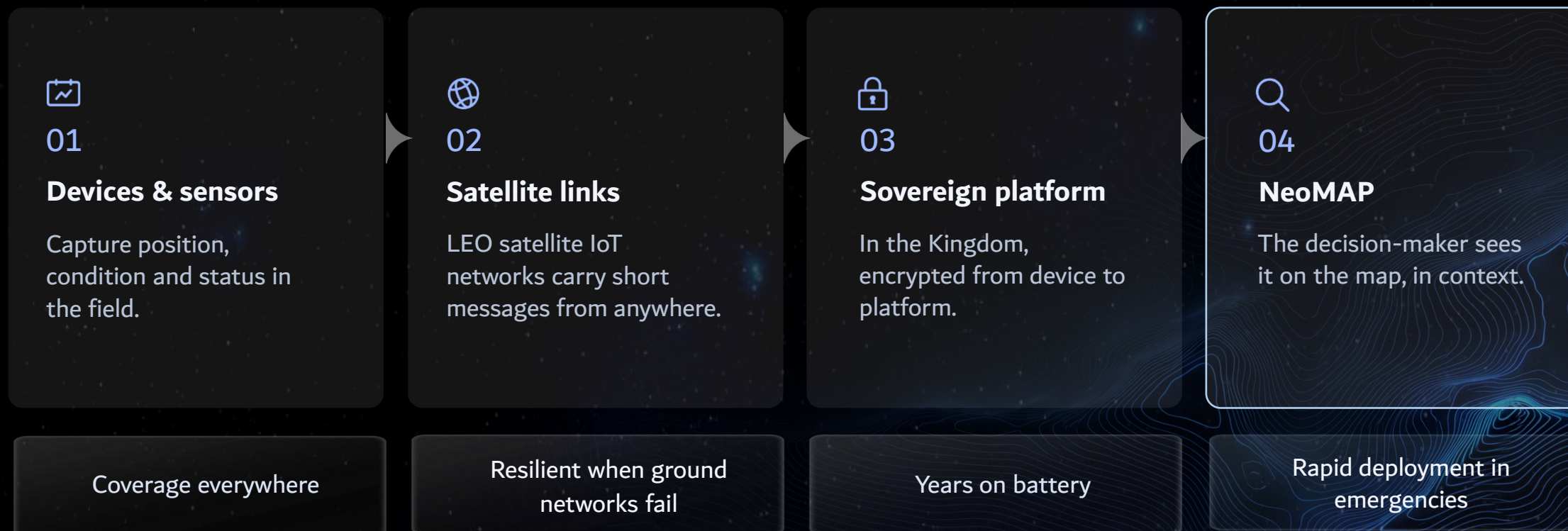
In an emergency, a late or blind decision can be catastrophic.



Space-based infrastructure closes the gap, and it is resilient.

► Connecting the Unconnected

◆ 02 · THE CONNECTION



The satellite is the bridge. The value starts when the data meets its context.

► From Data to Context

◆ 03 · THE INTELLIGENCE

An IoT message tells us **what** is happening.

NSG's geospatial intelligence tells us **where**,
why it matters and **what surrounds it**.

NeoMAP is NSG's **sovereign** geospatial platform: data layers, visualization, GIS tools and analytics, hosted in the Kingdom.



Illustrative view, not live data

► The Mission in Action

◆ IN ACTION · SNAPSHOTS FROM SERVICE TESTING

Multiple field units, soldiers and vehicles, reporting over satellite and followed from the field to the decision-maker.
The service is being tested across the Kingdom ahead of rollout. The snapshots that follow come from that testing.

01

See Every Unit

02

Receive the Message

03

Add Context

04

Follow the Journey

05

Act on the Alert

► One National Picture

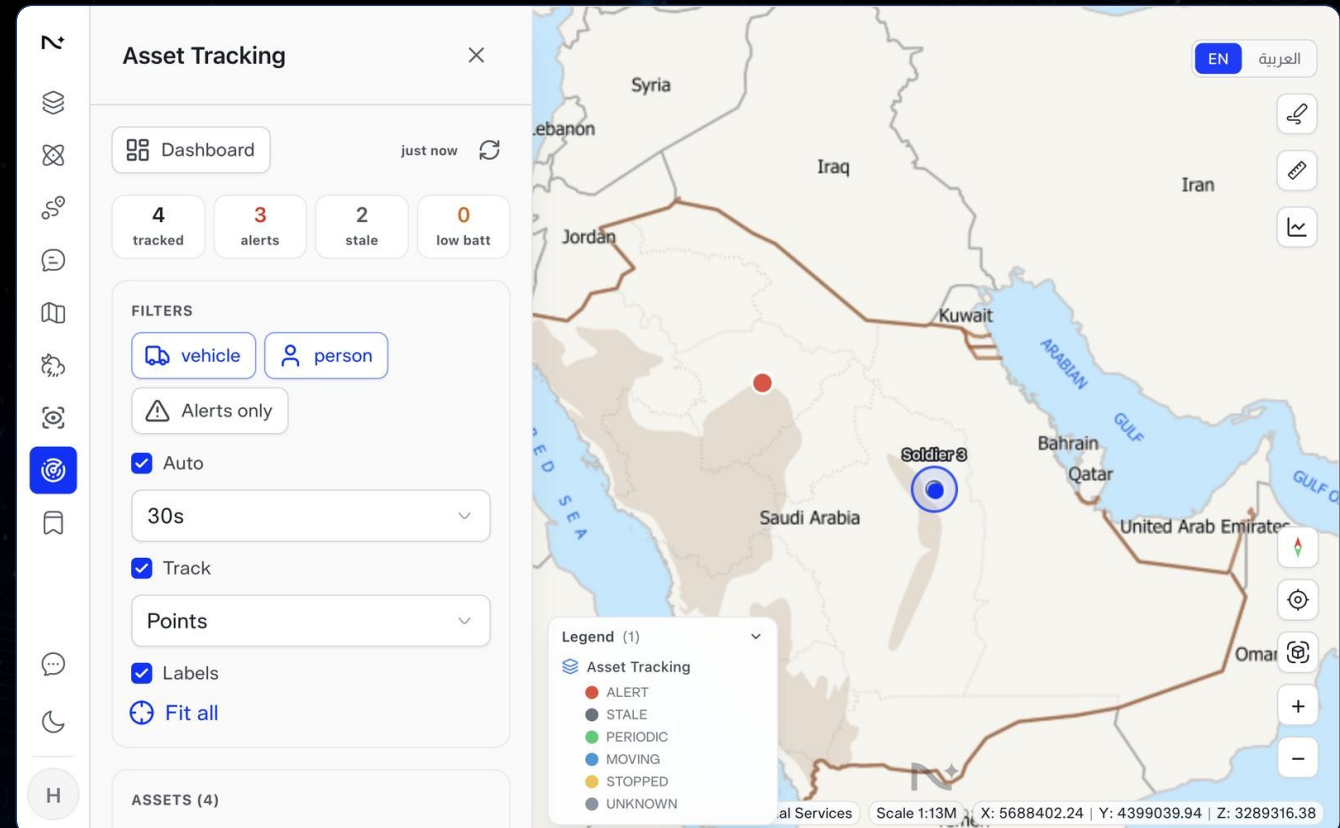
◆ IN ACTION · STEP 1 OF 5

POINT OUT

Every unit across the Kingdom on one map

At a glance: who is tracked, who needs attention

On NSG's sovereign platform



Snapshot from national service testing

► The Message from Orbit

◆ IN ACTION · STEP 2 OF 5

POINT OUT

Who: a vehicle and a soldier

Where and how: GNSS position, speed, battery

An alert raised from the field

Asset Tracking

Vehicle

Asset Information

ASSET ID	BFT-293527	DEVICE MODEL	BIP
DISPLAY NAME	Vehicle 1	DEVICE ID	293527
ASSET TYPE	vehicle	STATUS	ALERT
PROVIDER	NEO Space Group	REPORTED STATUS	ALERT

Telemetry & Location

ALERT	true	HEADING DEGREES	38
STALE	false	TEMPERATURE C	32.5
BATTERY PERCENT	100	ALTITUDE METERS	963
SPEED KMH	93	POSITION SOURCE	GNSS

Asset Tracking

Soldier

Asset Information

ASSET ID	BFT-293512	DEVICE MODEL	BIP
DISPLAY NAME	Soldier 1	DEVICE ID	293512
ASSET TYPE	person	STATUS	ALERT
PROVIDER	NEO Space Group	REPORTED STATUS	ALERT

Telemetry & Location

ALERT	true	HEADING DEGREES	1
STALE	false	TEMPERATURE C	29.5
BATTERY PERCENT	100	ALTITUDE METERS	946
SPEED KMH	0	POSITION SOURCE	GNSS

Snapshot from service testing

► From a Message to a Place

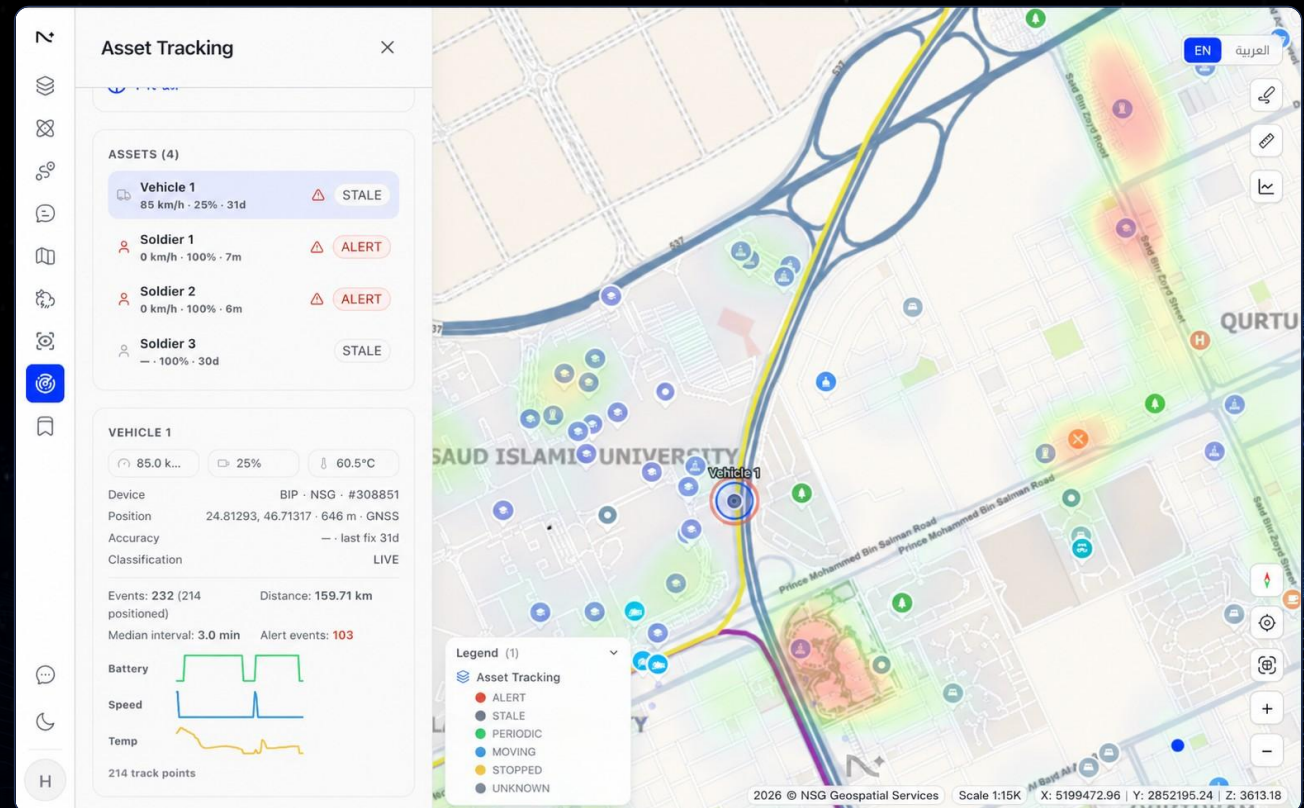
◆ IN ACTION · STEP 3 OF 5

POINT OUT

The unit among real roads and landmarks

Its history: 232 reports, about 3 minutes apart

Battery, speed and temperature over time



Example snapshot from Riyadh

► Following the Journey

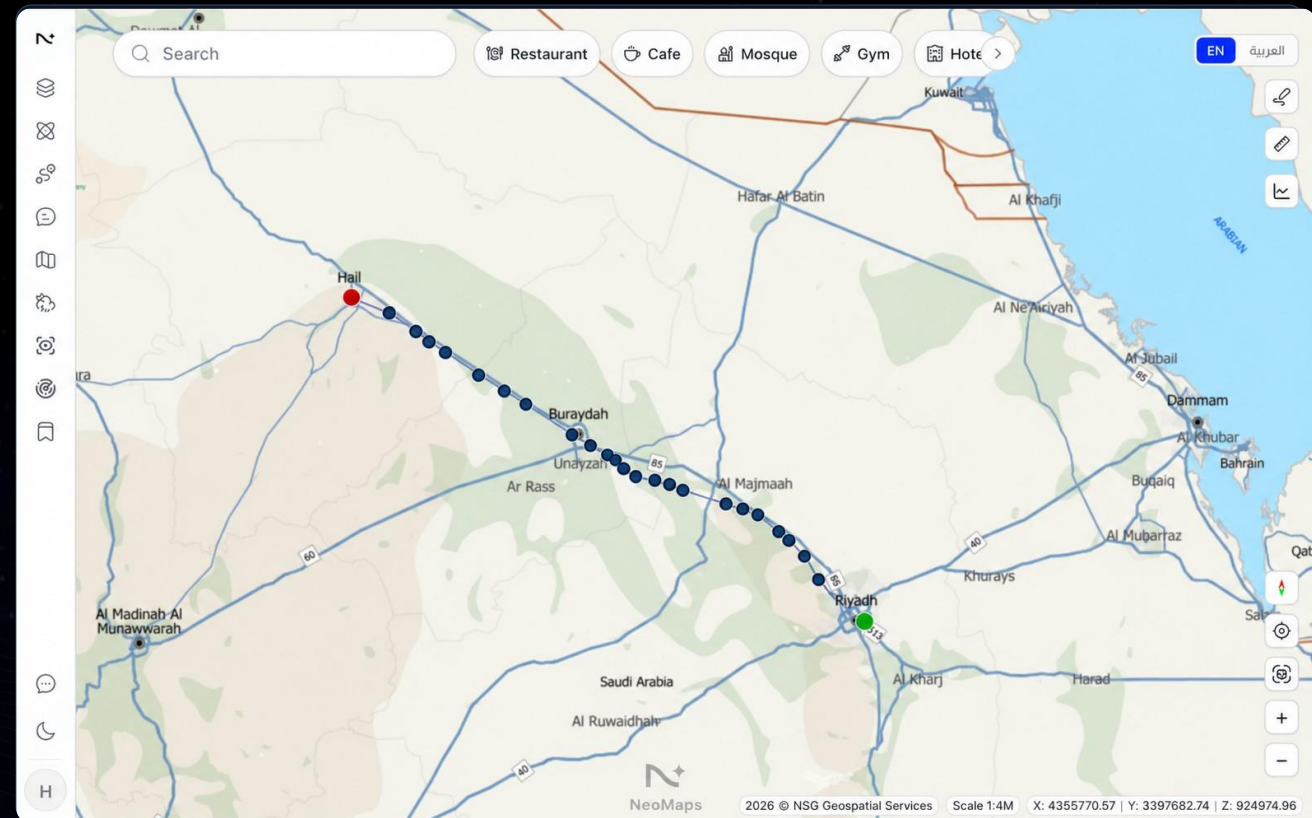
◆ IN ACTION · STEP 4 OF 5

POINT OUT

Riyadh to Ha'il, followed report by report

Every dot: a position delivered by satellite

Where it started, and where it ended



Snapshot from service testing: Riyadh to Ha'il

► The Alert, and the Decision

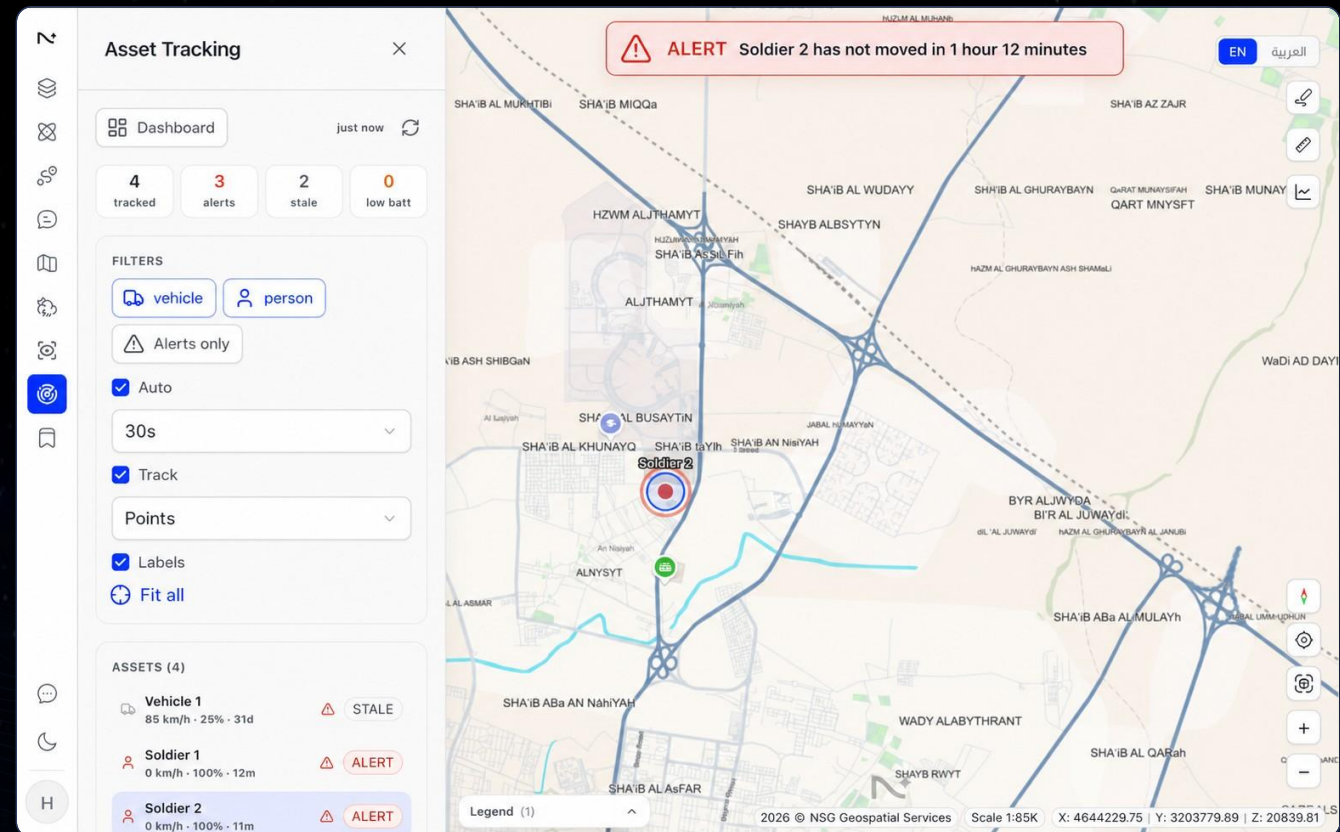
◆ IN ACTION · STEP 5 OF 5

POINT OUT

Automatic alert: no movement for over an hour

Exactly where, and what's around

Decision: call in, or send help



Example snapshot from Riyadh

► The Alert, What changes for the decision-maker the Decision

◆ 04 · THE DECISION

BEFORE

Blind beyond terrestrial coverage

Readings without context

Problems found on the next visit

Trips just to check on people and equipment

WITH SPACE-BASED IOT + NEOMAP

Regular reports from anywhere

Each report on the map, in context

Alerts raised automatically

Response set by condition and location

The gain: better information in the decision-maker's hands.

Expected benefits, to be measured as the service rolls out.

► One Platform, Many Missions

◆ 05 · THE OUTCOME



Forces & people

- Blue Force Tracking
- Personnel safety and emergency alerts
- Field teams beyond coverage



Critical assets

- Vehicles, containers, rail wagons
- Wells, pipelines and tanks
- Power lines and substations



Sustainability

- Early alerts for floods and fires
- Rangeland and livestock monitoring
- Fewer avoidable field trips

Same satellite network. Same sovereign platform.

► **Not another tracking solution.**
A secure, sovereign, space-enabled capability for the Kingdom.

◆ NSG · NATIONAL SPACE CHAMPION

Connect

Space-based IoT

Understand

Geospatial intelligence

Act

Mission outcome

THANK YOU