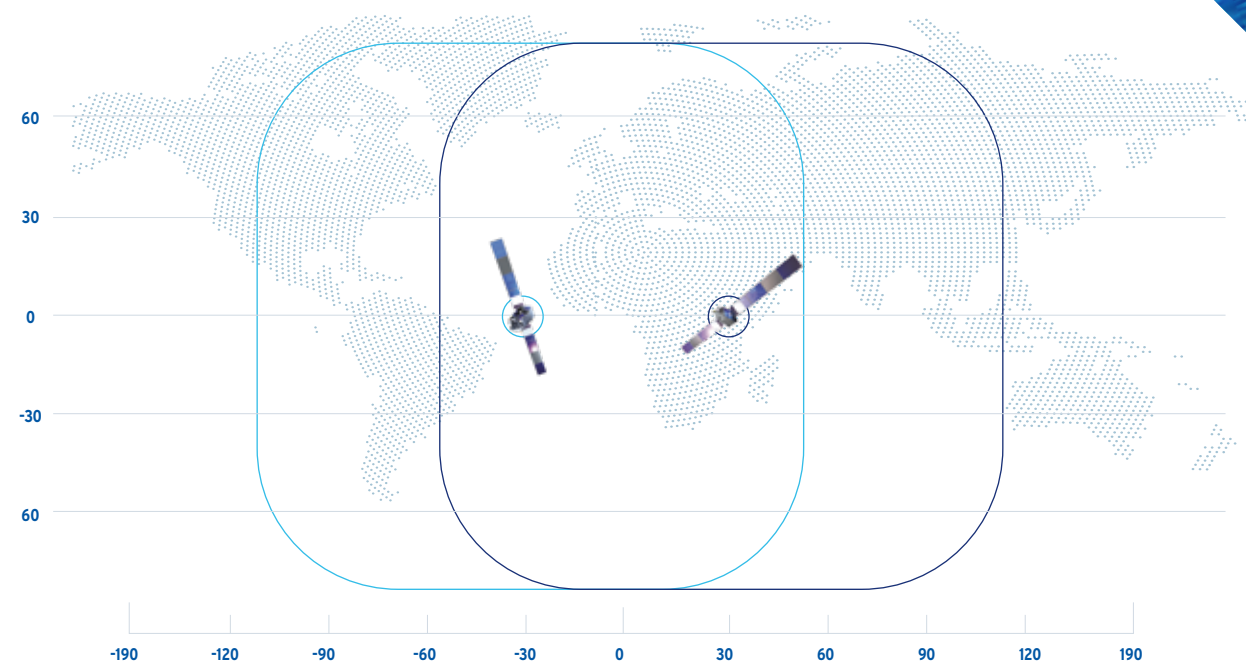


# SPAINSAT NG PROGRAM



## SPAINSAT NG I and II, in the 30°W and 29°E positions

With coverage in an extensive world area that ranges from the United States and South America, to the Middle East, including Africa and Europe and reaching Singapore on the Asian continent.

### BAND X

GEOLOCATION  
CANCELLATION OF INTERFERENCES  
BEAMHOPPING  
BEAMFORMING  
NULLING  
16 AREAS OF COVERAGE:  
2 GLOBAL COVERAGE AREAS

### BAND KA MIL

6 STEERABLE BEAMS IN  
RECEPTION AND TRANSMISSION  
GLOBAL COVERAGE

### UHF BAND

GLOBAL COVERAGE



## MISSION

**Ensure effective command and control in operations** of the Armed Forces in 2/3 of the Earth.

**Guarantee the communication capacity** in military operations zones lacking communication infrastructures.

**Secure government communications** in any operating environment (air, sea, land).

**Provide strategic space capabilities** to third nations.

Operates in X,  
Ka Mil and UHF  
bands

15-year  
operating life

In service  
until 2040

## CONTRACTORS

### Main contractor



### Co-contractors



X-band payload

Military Ka  
and UHF Band payload

Support for UHF and Ka  
Mil bands and equipment  
payload

**More than 40% developed by the Spanish Satellite Industry**

Development of new applications and services provided by applying technologies of: Artificial Intelligence, Big Data, Internet of things, etc.

## APOYO



Pacis 3

PPP  
Pacis 3

Development and  
integration of payload  
elements.

Active X-Band antennas

Ka-band steerable antennas

## EUROSTAR NEO

The satellites will be based on Airbus' Eurostar NEO platform, which has greater capacity and flexibility, enabling electronic beam reorientation based on needs:

A fully flexible software-defined payload (bandwidth, power and coverage) in X-band, using active antennas with in-orbit reconfiguration capability.

A flexible, software-defined military Ka-band payload (width and power) with rapid in-orbit reconfiguration.

An on-board digital processor that will interconnect military X and Ka-band payloads to enable band crossover.

A dedicated high-speed service link that will facilitate rapid software reconfiguration.

## GOVSATCOM

They offer capacities to other Spanish government entities, allies and friendly countries with bilateral agreements, framed in this EU government communications program.

## NATO REQUIREMENTS

It meets the requirements for the Alliance's communications in its missions and deployments, allowing Spain to be positioned among the most advanced countries in the alliance, contributors of critical operational capabilities.



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