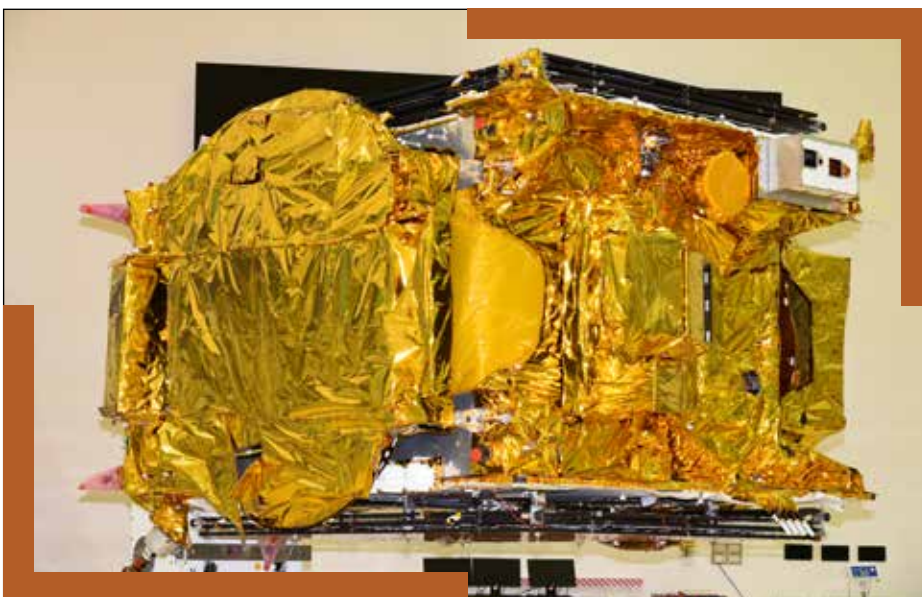
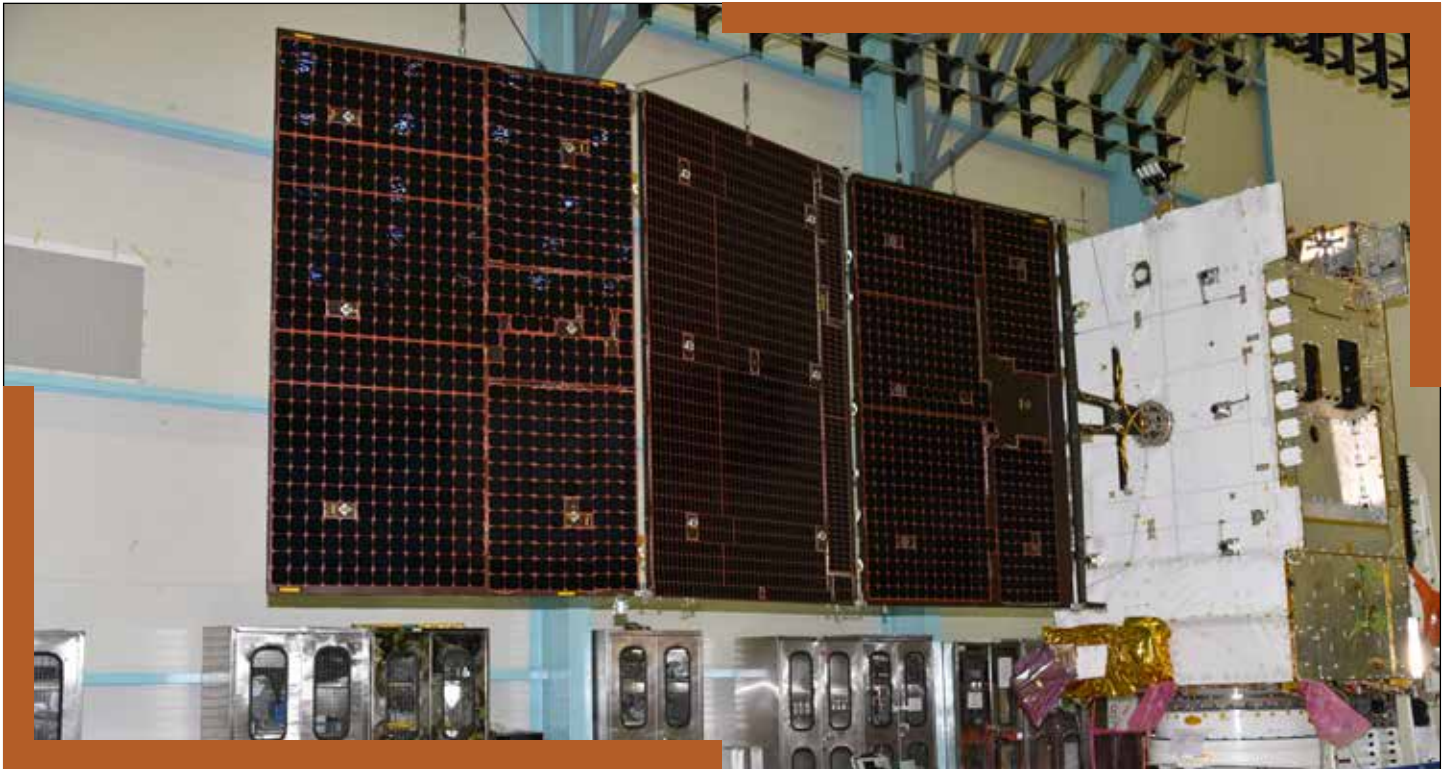


# GSAT-30 Mission

17 January, 2020

## THE MISSION

India's Telecommunication Satellite GSAT-30 on-board the Ariane-5 VA-251 lifted-off from Kourou, French Guiana at 2:35 AM (IST) on January 17, 2020. About 38 minutes 25 seconds after lift-off, GSAT-30 separated from the Ariane-5 upper stage into an elliptical Geosynchronous Transfer Orbit. GSAT-30 is to serve as replacement to INSAT-4A spacecraft services with enhanced coverage. It has a unique configuration of providing flexible frequency segments and flexible coverage.



*Ariane-5 VA-251*



# GSAT-30

## THE SATELLITE

GSAT-30 is an operational communication satellite for DTH, Television Uplink and VSAT Services. The satellite is configured on ISRO's enhanced I-3K bus structure to provide communication services from Geostationary Orbit. The communication payload of GSAT-30 is specifically designed and optimised to maximize the number of transponders on the spacecraft bus.

The satellite provides Indian mainland and islands coverage in Ku-band and extended coverage in C-band covering Gulf countries, Asian countries and Australia.

The Dual Gridded Reflector Antenna will provide wide coverage in C-band, and a Ku-band Gregorian Antenna will provide coverage to Indian mainland and islands. The on-board Ku-band beacon transmitter will enable Earth stations to point their antennas towards the satellite.

## SPECIFICATIONS

<b>Weight</b>	3357 kg
<b>Power</b>	6 kW
<b>Stabilization</b>	3-axis
<b>Type of Satellite</b>	Communication
<b>Payloads</b>	C-band and Ku-band Transponders
<b>Mission Life</b>	More than 15 Years

