



GSAT-30

Launch Kit

Indian Space Research Organisation

GSAT-30 Mission

CONTENTS

GSAT – 30

3

Applications

4

Glimpses

5

GSAT-30

Mission

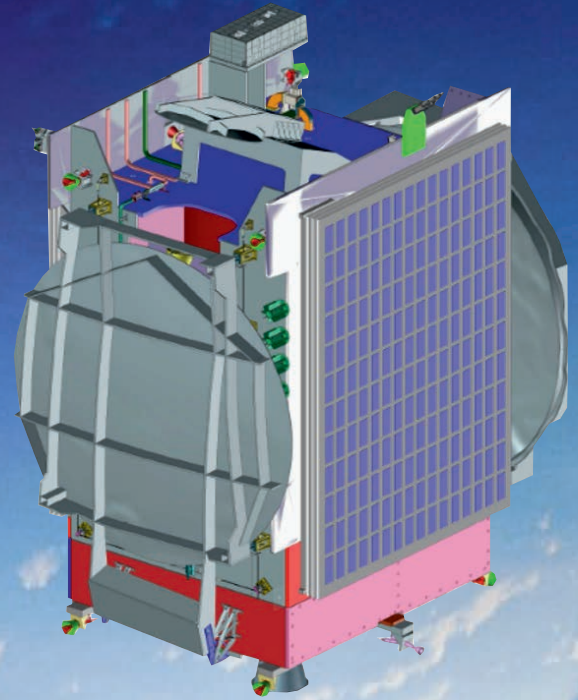
GSAT-30

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 in C and Ku bands. GSAT-30 derives its heritage from ISRO's earlier INSAT/GSAT satellite series.

GSAT-30 Spacecraft is to serve as replacement to INSAT-4A Spacecraft services with enhanced coverage. The communication payload of GSAT-30 is specifically designed and optimized to maximize the number of transponders on the spacecraft bus.

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.

GSAT-30 will be launched onboard Ariane-5 Launch Vehicle from Kourou, French Guiana.



Stowed Configuration of GSAT-30

SALIENT FEATURES

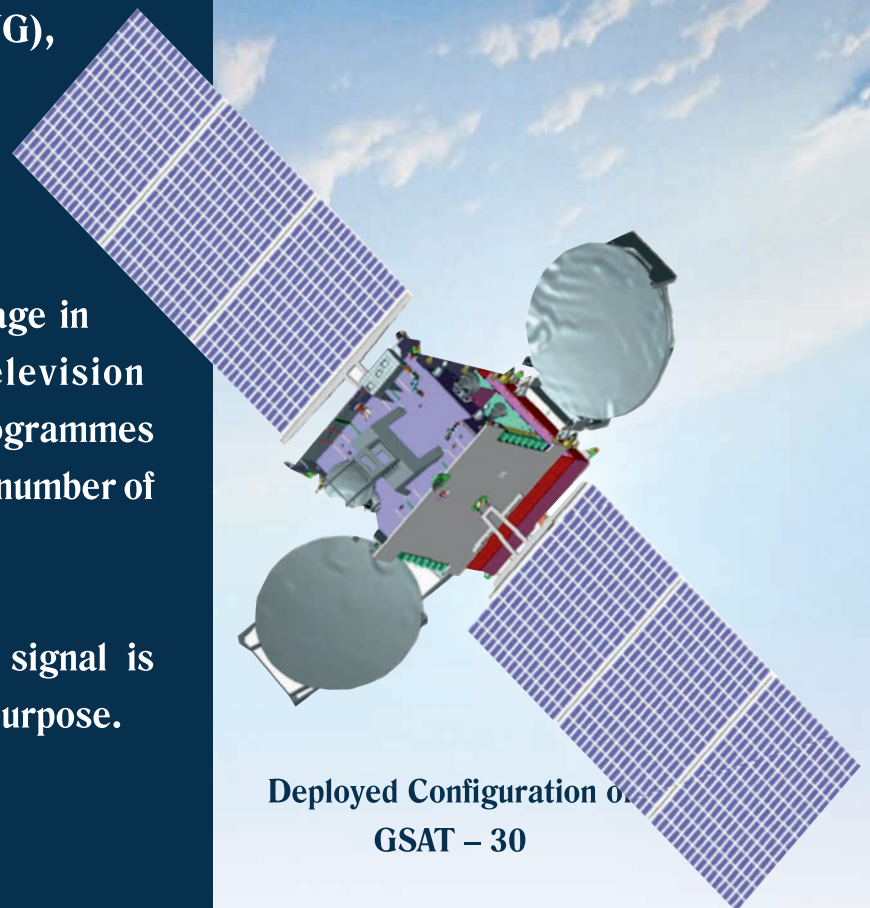
Lift-off weight	3357 kg
Spacecraft Power	6 kW
Payload	C-band and Ku-band transponders
Coverage Area	Ku-Band: Indian Mainland and Islands C-Band: Wide coverage
Mission Life	> 15 Years

GSAT-30

Mission

APPLICATIONS

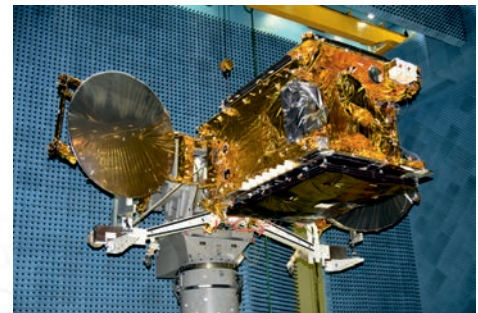
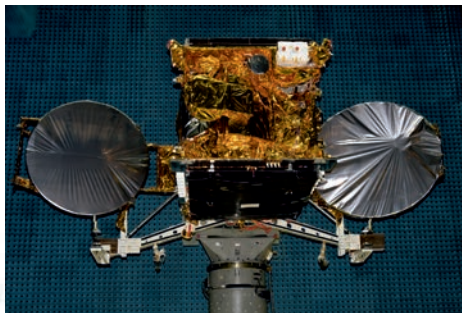
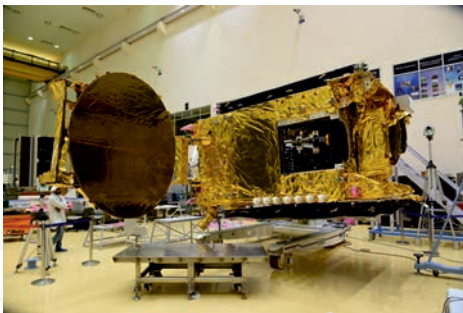
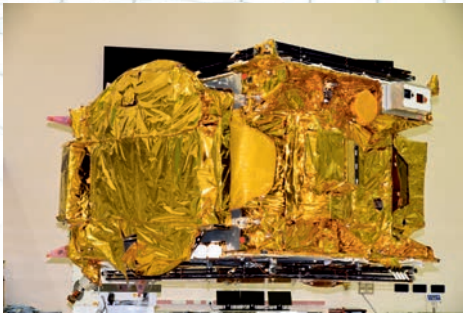
- GSAT-30 will be extensively used for supporting VSAT networks, Television uplinking and Teleport Services, Digital Satellite News Gathering (DSNG), DTH-television services, cellular backhaul connectivity and many such applications.
- It also provides extended coverage in C-band, which helps the Television broadcasters to beam their programmes over India, Gulf Countries, large number of Asian countries and Australia.
- One Ku-band beacon downlink signal is transmitted for ground tracking purpose.



Deployed Configuration of
GSAT – 30

GSAT-30 Mission

GLIMPSES



Indian Space Research Organisation

Office of Media and Public Relations

ISRO Headquarters, Antariksh Bhavan, New BEL Road, Bengaluru - 560 094, India.

Telephone: +91-80-23415474 Fax: +91-80-23412253