

# INSAT-2D Mission

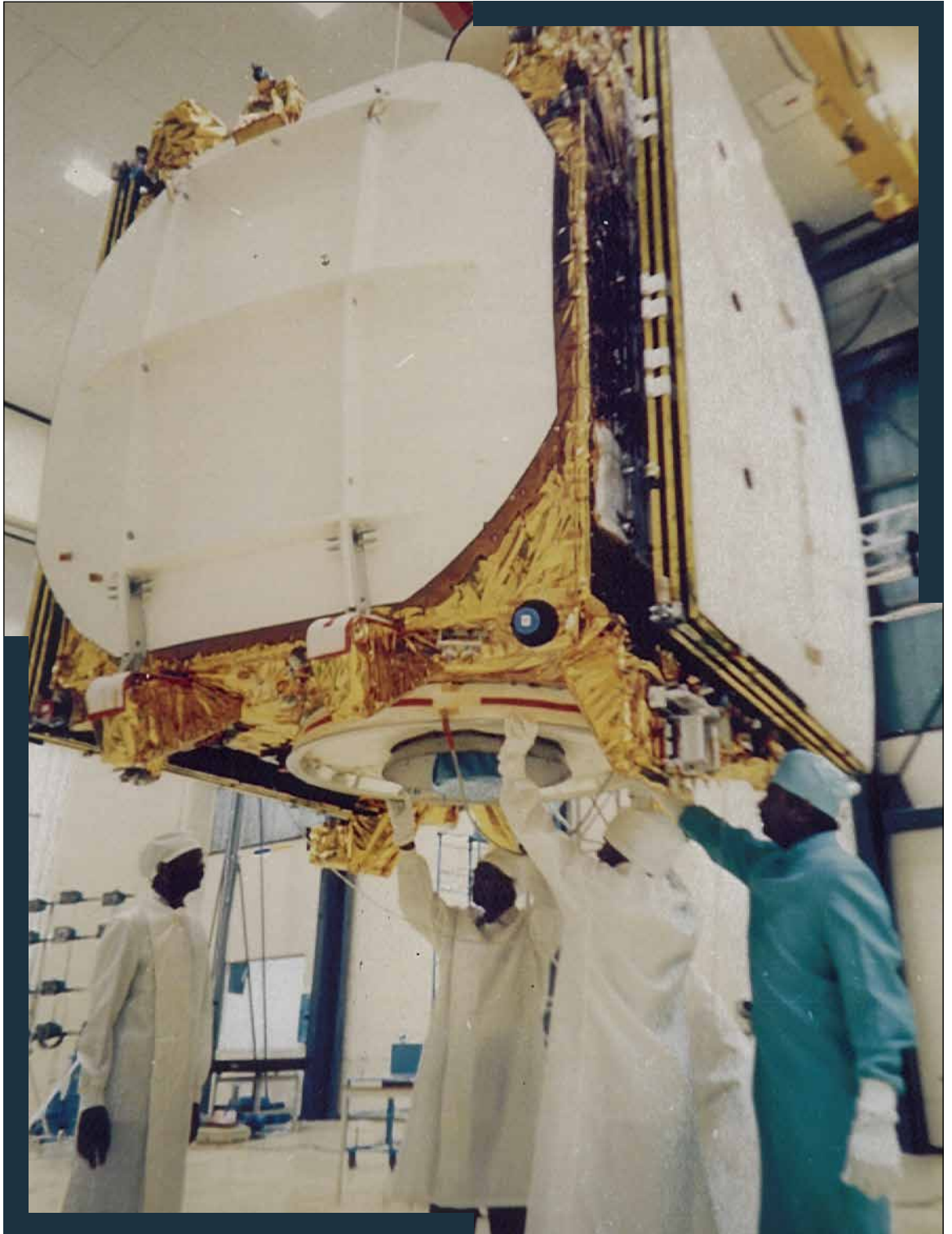
04 June, 1997

## THE MISSION

The Indian National Satellite (INSAT-2D) on-board the Ariane-4 lifted-off from Kourou, French Guiana on June 04, 1997. INSAT-2D, the fourth satellite in the INSAT-2 series was an exclusive communication satellite launched successfully.



*Ariane -4*



# INSAT-2D

## THE SATELLITE

The bus system configuration of INSAT-2D was similar to that of INSAT-2C with minor modifications. It carried 12 C-band, 6 extended C-band, 3 Ku-band, 1 MSS forward and return transponder and 1 BSS S-band transponder. INSAT-2B, INSAT-2C & INSAT-2D were co-located in the Geostationary Orbit thus enabling efficient use of allocated orbital slots. However the satellite became in-operable since October 4, 1997 following a power bus anomaly and associated problems. Hence, it was replaced by in-orbit satellite, ARABSAT-1C, designated as INSAT-2DT.



## SPECIFICATIONS

<b>Weight</b>	2079 kg
<b>Power</b>	1650 W
<b>Stabilization</b>	3-axis stabilized with two Momentum Wheels & one Reaction Wheel, Magnetic Torquers
<b>Type of Satellite</b>	Communication
<b>Payloads</b>	<ul style="list-style-type: none"><li>• 16 C-band / extended C-band Transponders</li><li>• 2 high power C-band Transponders</li><li>• 1 S-band Transponder</li><li>• 1 C/S-band Mobile Communication Transponder</li><li>• 3 Ku-band Transponders</li></ul>
<b>Mission Life</b>	4 months (Major problem in Power System caused by Arc Tracking in high current harness)

