

INSAT-1D Mission

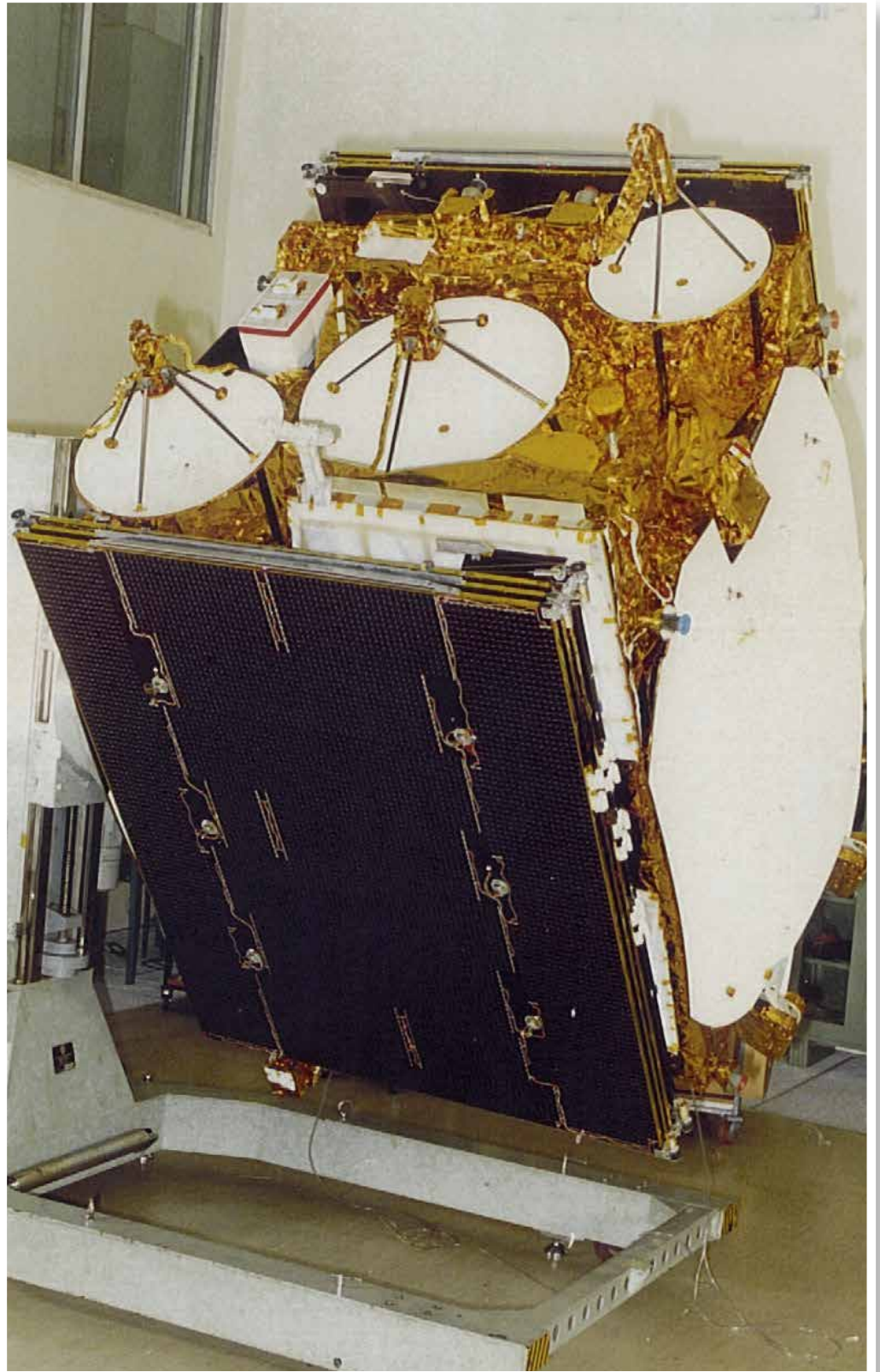
12 June, 1990

THE MISSION

The Indian National Satellite (INSAT-1D) on-board the Delta-4925, USA lifted-off on June 12, 1990. INSAT-1 series, the first generation of INSAT system comprising of INSAT-1A, INSAT-1B, INSAT-1C and INSAT-1D was a series of Multipurpose Geostationary Satellites.



Delta-4925



INSAT-1D

THE SATELLITE

INSAT-1D launch concluded the first generation of INSAT series. The specification for the INSAT-1D was the same as that of INSAT-1B but with expanded battery and propellant capacities. The launch was initially planned on June 29, 1989 but 10 days before the launch the spacecraft was seriously damaged during launch preparation, when a crane hook fell on it. The fully insured satellite was repaired by Ford Aerospace at a reported cost of \$10 million. It also suffered a \$150,000 damage during the October 1989 Californian Earthquake. It assumed the prime role from INSAT-1B on July 17, 1990.

INSAT-1D also achieved improved features in terms of larger battery capacity to support payload operation during eclipse periods.

SPECIFICATIONS

Weight	1190 kg
Power	1000 W
Stabilization	Momentum biased 3-axis stabilization
Type of Satellite	Communication
Payloads	<ul style="list-style-type: none">• 12 C-band Transponders• 2 S-band Transponders & VHRR
Mission Life	12 Years

