

Q The current scenario of Indian space programmes

As India is moving to transform itself from a regional power to a global power, the aerospace and defence sectors are increasingly occupying more and more mindshare in the country's long-term strategic planning. So, there exist immense opportunities for connectivity solution providers such as TE. However, these engagements have a long lead time that spans through many years. Also, TE products have to be specked in at the design stage for them to become indispensable for at least many years.

Q The current demand trend in space exploration programmes and the technologies used to manufacture satellites

Miniaturisation is the need of the hour in our industry. Applications that include space, smart munitions, missile defence, aircraft communications, and UAVs demand the usage of small form factor connectors—a technology that TE is adept at. TE India provides custom design solutions that range from EMI backshells to custom mountable miniaturised microdot connectors. Penetration of TE Connectivity's most rugged, small form factor CeeLok FAS-T connector system in the aerospace, defence and marine marketplaces has helped achieve a speed of 10 GB. Despite their small size, nanominiature connectors are designed for rugged applications with the capability to withstand significant levels of harsh conditions. An example is the SELEX radar application wherein the connector is designed to withstand a stringent 96-hour salt spray per MIL 810F specifications. These components are designed and engineered to withstand extreme shock, vibration, Ultra Violet (UV) exposure and temperature fluctuations. Today's space applications require more than reliability. We constantly innovate products that are smaller, lighter and more capable—giving



“Miniaturisation Is The Need Of The Hour In Our Industry”

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