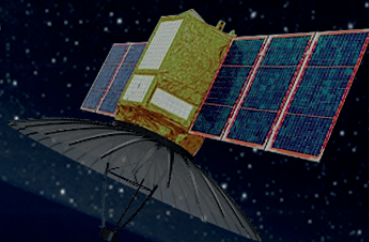


DS-SAR

View the World Through our Lens



The Near Equatorial Orbit (NEqO) Constellation

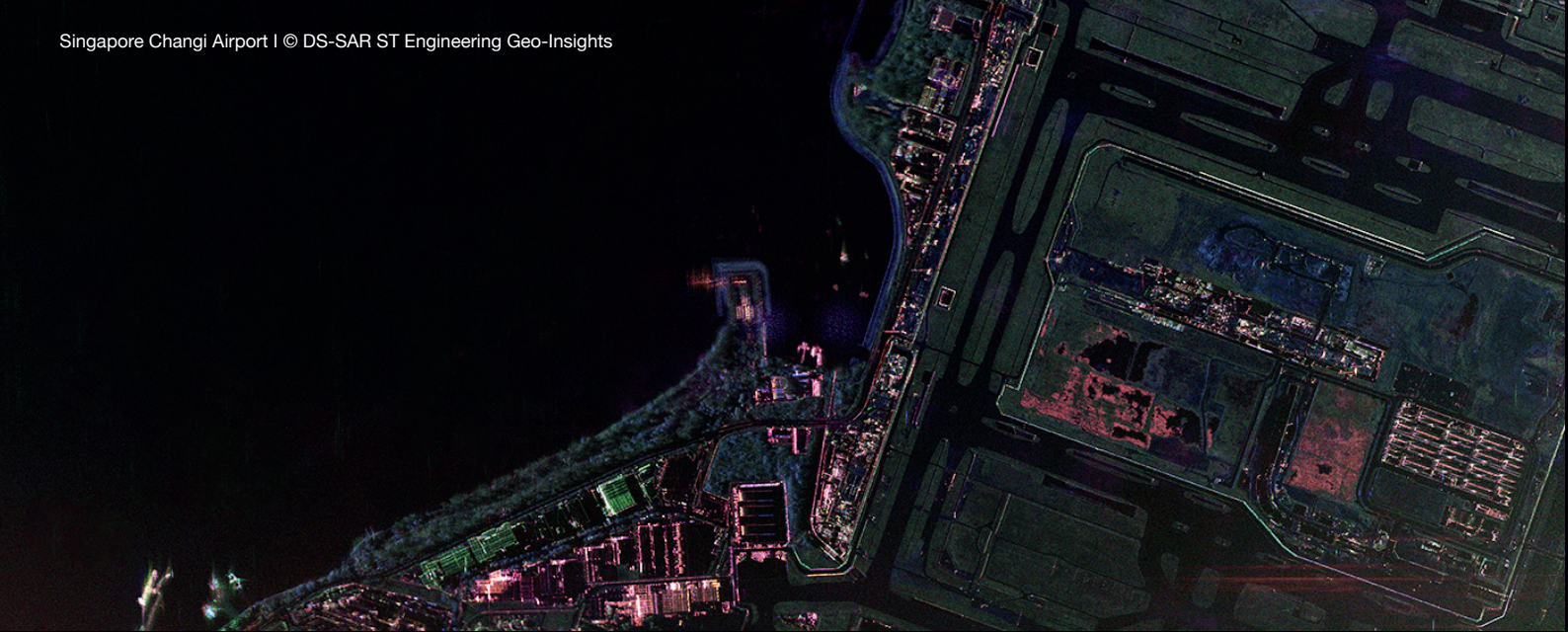
ST Engineering Geo-Insights Pte. Ltd. (Geo-Insights) is the exclusive provider of satellite imagery and data analytics services for the NEqO constellation satellites; TeLEOS-1, TeLEOS-2, NeuSAR, DS-EO and DS-SAR.

The NEqO Multi-Modal Imaging Constellation will allow clients to image the equatorial region utilizing high revisit and high resolution satellite imagery products.

Mission Overview

Launch	30 July 2023
Orbit	Near-Equatorial ~535km
Period / Inclination	96 minutes / 5 degrees
Payload Frequency	X-Band
Mean Revisit Time	3 - 4 times per day





Technical Specifications

Imaging Mode	SPOTLIGHT	STRIPMAP
Image Resolution	1 m X 1 m	3 m X 3 m
Collection Modes	5 km X 5 km	5km x 28 km
Swath Width	5 km	
Polarization	VV, VH, HH & HV	
Look Angle Range	20° - 46.5°	
Imaging Opportunities	Up to 14 Opportunities per day	
Georeferencing Accuracy	<75m CE90	
Look Direction	Both Left and Right	

Transforming Business, Changing Lives

ST Engineering Geo-Insights offer analytics, information products and value-added services based on geospatial data and remote-sensing imagery to address growing global demands for timely insights which empower customers to make well-informed decisions.

