

# Earth-i and Telespazio VEGA Enter into Data Services Collaboration



Earth-i, a UK-based distributor of image and data services from the DMC3/TripleSat satellite constellation, has signed a memorandum of understanding (MoU) with space technology and enabled services specialist, Telespazio VEGA. This MoU will permit each company to provide each other's specialist products and services to their respective customers. Hence, Earth-i will be permitted to provide new and existing customers with advanced synthetic aperture radar (SAR) data from the COSMO-SkyMed satellite constellation alongside its existing optical data.

Telespazio VEGA is owned by European aerospace and defence giants Leonardo–Finmeccanica and Thales. Benefiting from over 35 years of industry experience, their UK operations, which include their ground control centre at Harwell, are headquartered in

Luton. Telespazio VEGA, accessing the four satellites of the COSMO-SkyMed constellation, and Earth-i with the DMC3 / TripleSat constellation, will collectively be able to offer seven highly advanced and complementary imaging resources with multiple imaging opportunities each day.

## SAR and optical data

Richard Blain, CEO of Earth-i, commented this agreement signed by both parties demonstrates a collaborative relationship between two geospatial companies who can now offer their customers the best of both worlds. By combining SAR and optical data they can provide ever more detailed metrics, analytics and information extraction. Together with Telespazio VEGA Earth-i will find new and innovative applications and capabilities from their shared resources.

Founded and run by prominent and experienced individuals from the Earth Observation industry, Earth-i is another company from the UK Space industry along with its close neighbours and the satellites' manufacturer, Surrey Satellite Technology Ltd (SSTL). Earth-i is significantly increasing its imaging and data services from the DMC3 / TripleSat constellation and places specific focus on fast, easy and convenient access for data users.

## Constellation

Three identical 1 metre resolution optical satellites make up the DMC3 / TripleSat constellation. The unique combination of high spatial and temporal resolution, along with industry-leading technical specifications, serve data users and support a wide range of applications in market sectors including oil and gas, security and defence, agriculture and construction.

Leveraging the inherent high revisit capability of the COSMO-SkyMed constellation, the collaboration with Earth-i will add a minimum of twice daily imaging over any location worldwide and with the advantage of a UK based ground station, it offers impressive levels of high assurance imaging regardless of weather conditions combined with much lower latency between acquisition in space and receipt on the ground to around 30 minutes in ideal circumstances.

The high frequency of the COSMO-SkyMed constellation makes it very suitable for monitoring applications from wide area maritime surveillance and vessel detection to regional forestry and agricultural compliance applications, near real time flood mapping down to site specific sub-millimetre surface deformation monitoring of individual buildings, roads and bridges.