

This talk will demonstrate new approaches employed by Ursa Space Systems Inc. (Ursa) to build custom solutions and extract answers from Synthetic Aperture Radar (SAR) data. Ursa leverages a virtual constellation built from direct relationships with 15+ SAR providers around the globe. This constellation allows Ursa to deliver a unique level of access, aggregation and analytics for SAR as a source of alternative data. These alternative data sets enable novel analyses and interpretation of geospatial multi-modal data. For example, Ursa leverages radar based satellite imagery to measure thousands of crude oil storage tanks every week. With this data, Ursa is able to compare, correlate, and analyze trends, patterns and anomalous changes over time in the frame of the energy and financial markets. We will showcase a few of these analyses and talk about how Ursa's users find qualitative and quantitative value in derived geospatial business intelligence data.