

# SUPPLY DASHBOARD

# Project Objectives

## Global Summary

Summarizing global supply & demand data globally. Aggregating metrics to reflect a global POV. Metrics include capacity, pixels and imagery yield.

## Dashboard

Building out a dashboard to visualize supply and demand metrics. Rendering a web map with layers to uncover supply insights by vehicle, country and capacity zone.

## Optimizing Sales

Supporting the sales team in seeking out contracts and sales/building prospects. Optimizing the creation of realistic customer expectations to improve sales, company wide.

# **METRICS OVERVIEW**

# IMAGERY QUALITY METRICS

## Cloud Cover

**Percentage** of each strip covered in clouds that impact the **viability** of an image. Essential to **optimizing satellite tasking** during events such as monsoon season.

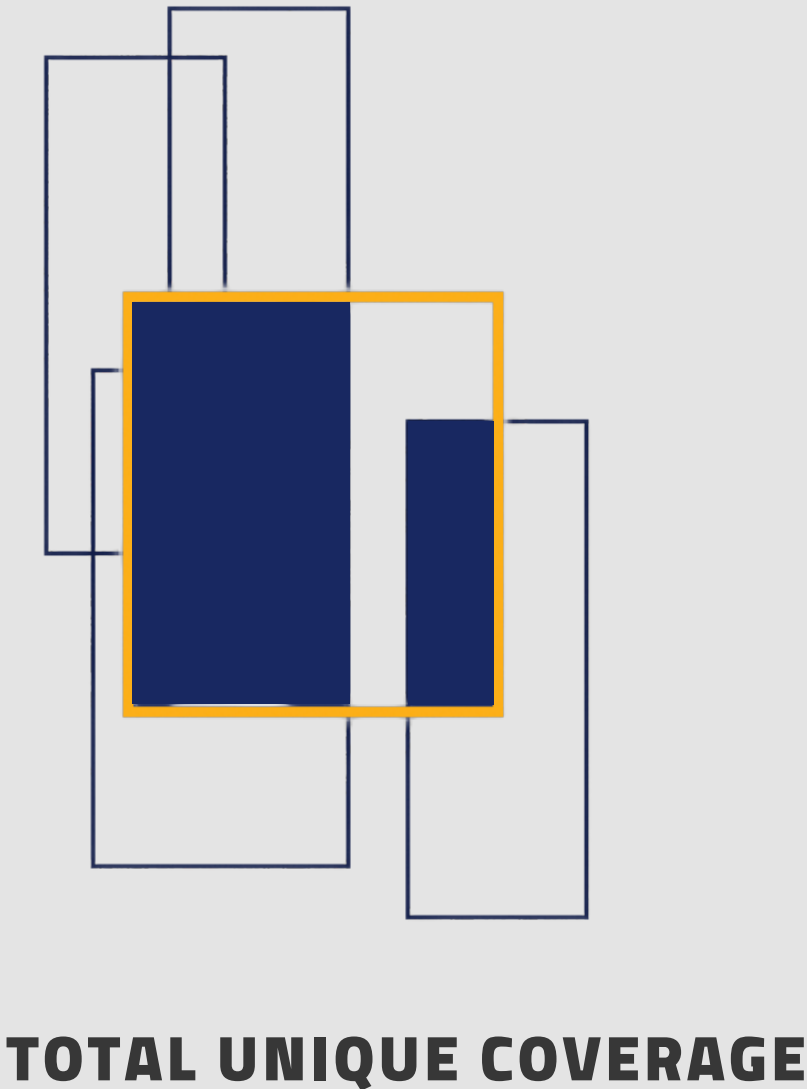
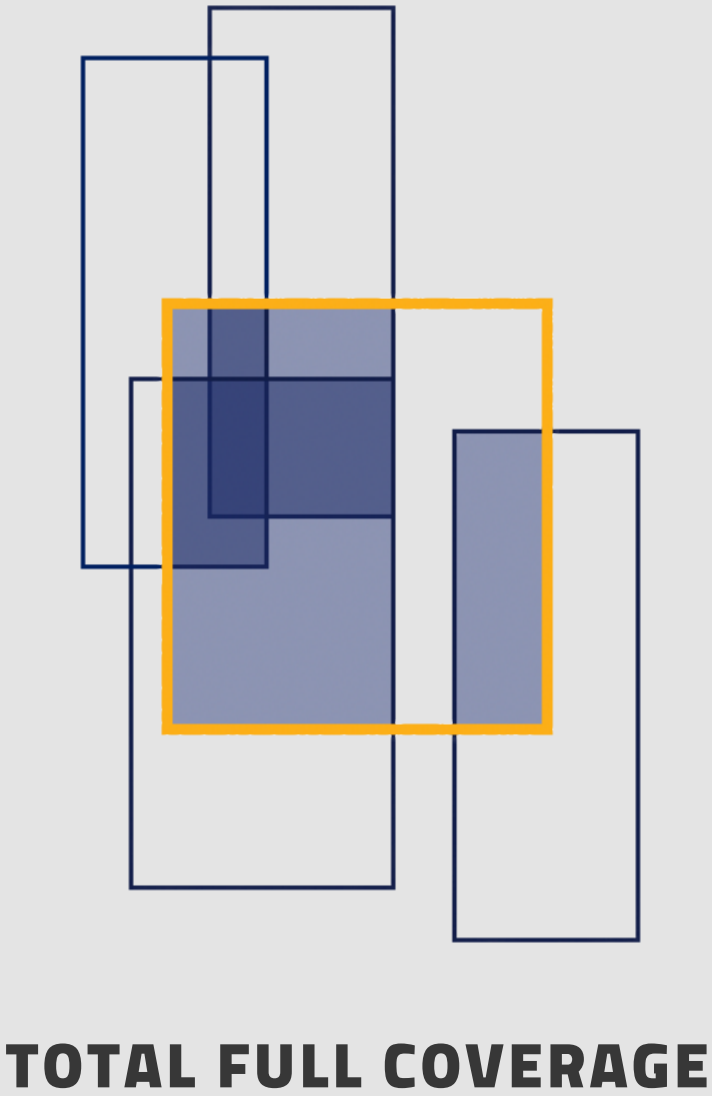
## Yield

The ratio of **clear unique pixels** to all unique pixels. Historical yield data **enables predictive analysis** to **maximize profits** when tasking satellites.

## Numerical Coverage

The ratio of km2 in an **AOI** to the km2 of **unique coverage** as **strips**. Enables sales teams to **uncover** new, **under imaged AOIs** to seek out **new contracts** and customers.

# DERIVATION OF METRICS



# Aggregation Levels

**Sales Zones**

**Satellite/Vehicle**

**Country**

**Geographical Regions**

**Seasons**

**Time (Month, Year, Quarter)**

# Web Map Layers

- **Yield Percentage (Clear Pixels out of Total Full Pixels)**
  - Color coded by Geocell
  - Aggregated into ZL10 (City Level) and ZL8 (State and Country Level)
- **Capacity Zone Geometries**
- **Country Boundaries Geometries**
- **7 Days Rolling Strips Geometries**
  - Color coded by cloud coverage on each corresponding strip