



# PLANET MONITORING

## for Transportation and Infrastructure

SOFI STADIUM • Inglewood, California

### ENABLING STATE AND LOCAL GOVERNMENTS TO BUILD THE FUTURE

State and Local governments are increasingly using high frequency satellite imagery to complement their geospatial datasets and develop a true sense of what's happening on the ground in their jurisdiction. As these governments continue to invest millions of dollars and upgrade their transportation and critical infrastructure, the need for scalable and proactive monitoring will be critical.

Planet satellite imagery is proving to be a cost-effective data source that enables government leaders to make more informed decisions with real-time information. More up-to-date data reduces the time between questions and answers for impactful decision making.

### BENEFITS OF USING PLANET DATA



**Increase Cost Savings and Efficiency.** Targeted and timely information at scale avoids unnecessary costs and streamline decision making.



**Better Planning and Insights.** Predictive planning using machine learning to better predict construction and environmental risks when starting new projects.



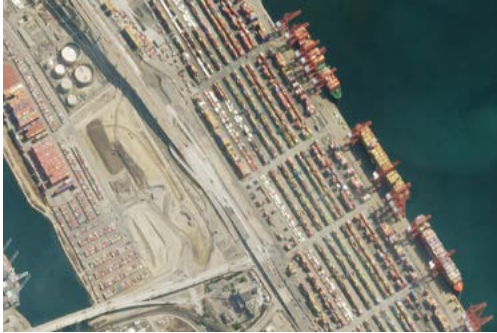
**Faster Disaster Response.** Quickly identify impacted infrastructure and targeted areas to accurately deploy personnel and resources.

### LEVERAGE PLANET'S DATA IN A VARIETY OF USE CASES



#### Monitor Airport Construction

Airports around the country undergo major infrastructure upgrades and maintenance and require high frequency and high resolution imagery that is cost effective to monitor these developments. **Using Planet's imagery, San Francisco Airport officials were able to receive bi-weekly monitoring of the entire facility.** This allowed for more efficient reviews of airport plan updates in collaboration with the Federal Aviation Administration around airport planning, design, operations and maintenance decisions.



### Improve Economic Infrastructure

Governments rely on critical infrastructure, such as ports and highways, to support local jobs, as well as to energize the U.S. economy. By leveraging Planet data, State and Local officials **can monitor development and construction projects over critical areas to ensure that safety concerns and traffic issues** are being addressed. Additionally, satellite imagery can serve as a key dataset for any potential emergency situations (earthquakes, flooding, etc).



### Build Climate Resilience

Governments around the country are constantly dealing with the effects of climate disasters, including tornadoes, flooding, droughts, wildfires, and earthquakes. But by using Planet's daily monitoring and imagery archive dating back to 2009, State and Local officials **can ensure that they have ongoing coverage and the most recent disaster imagery available**, enabling informed action across the Disaster Risk > Response > Recovery > Resilience continuum.



### Tracking Renewable Energy Construction

As more State and Local officials expand construction for renewable energy projects, it is critical regulators and planners have the most up to date information to track progress. Planet's satellite imagery **can support planning efforts, as well as provide officials insights into how their communities are using renewable energy resources to maximize efficiency.**



### Reimagine Urban and Rural Planning

As states continue to grow and evolve, officials need the tools and insights to ensure new transportation infrastructure is able to meet the population's needs. The Department of Transportation for the state of Alaska successfully leveraged Planet imagery in **the construction and planning phases of road work in remote regions.** Working with Planet engineers, DOT officials successfully paired Planet imagery with drones, and used Planet imagery for inaccessible areas to understand the basic conditions of their transportation infrastructure, saving money and improving the design phase of the project.

## LEARN MORE

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