PLANNING MODULE:
AUTOMATED STREETLIGHT DETECTION

TERRAGO

YOU CAN'T FIX WHAT YOU CAN'T SEE

Automating Streetlight Detection Can Change the Way We Deal with Bad Streetlight Data

Imagine if we could completely automate the process of surveying and mapping public streetlight infrastructure using machine learning.

For years, cities and utilities have been spending millions of dollars on audits that are done by survey firms with crews driving or walking around to collect data on streetlight poles and streetlights. This process is time-consuming and expensive, making it a significant challenge for many municipalities and utilities, and by the completion of a full streetlight audit, the data is already out of date.

With TerraGo's machine learning, this can be a thing of the past.

FEATURES

- AI-based auto-detection of streetlights from imagery using machine learning
- Automated field audits and lighting inventory surveys from imagery
- Creates as-built-inventory without boots on the ground Configurable workflows for human review, verification and correction
- Collaborative updates enable maintenance crews to add features and additional information over time

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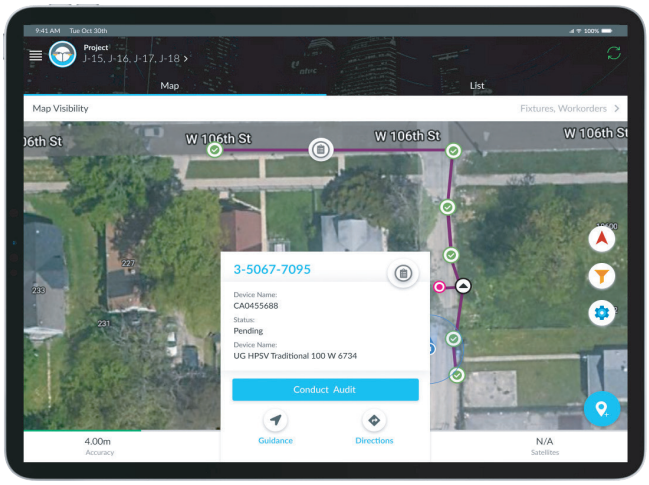
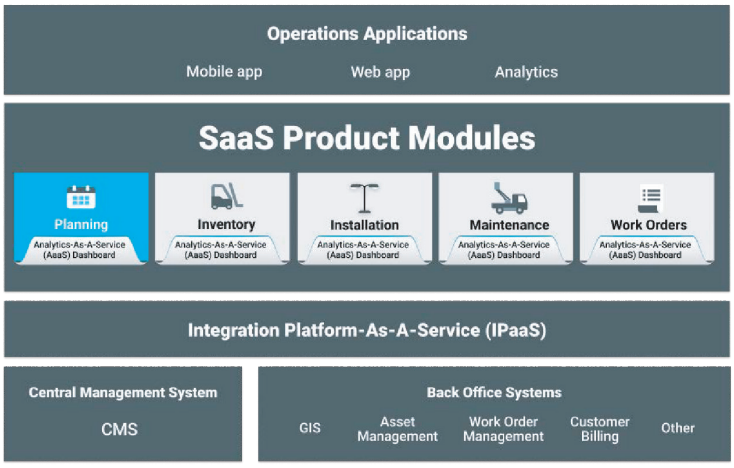
TerraGo is revolutionizing the way streetlights are identified and maintained with our innovative use of aerial imagery and machine learning algorithms



Automated detection is an important option to correct streetlight data quality while new processes begin to improve over time. The use of machine learning in smart city lighting business practices has the potential to improve energy efficiency, reduce maintenance costs, enhance safety and security, and provide valuable insights into urban environments.

When cities and utilities use TerraGo streetlight operations software, the streetlight infrastructure changes over time, and the data is updated from the field to all systems that require this data, including GIS, asset management, billing, work orders and more. So your next streetlight survey will not only be automated - it will be the last streetlight survey you ever have to do.



BENEFITS

- Avoids expensive, time-consuming, labor-intensive physical audits
- Supplements and improves physical audit results in specific areas or where auditors missed lighting infrastructure
- Establishes baseline data to enable energy efficiency retrofits and smart lighting projects
- Most cost-effective option for establishing and maintaining as-built infrastructure inventory