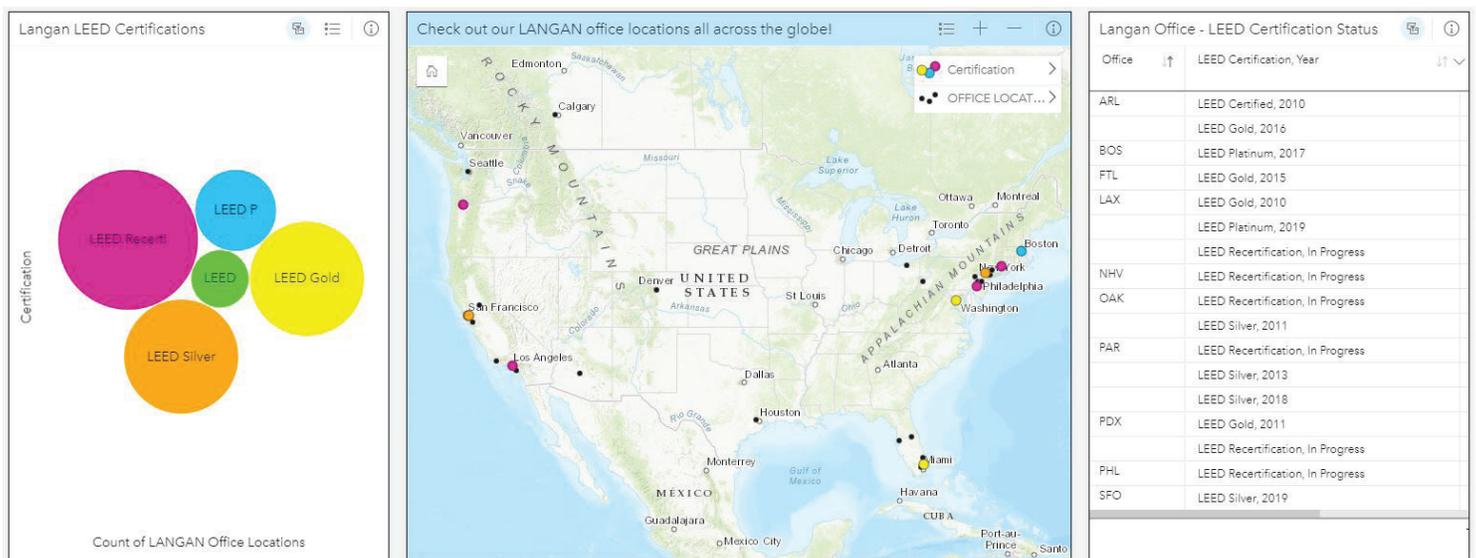


Langan uses Geographic Information Systems (GIS) to manage, visualize, and analyze the sustainability metrics of companies who aim at becoming more “green” and reducing their carbon footprint. This service utilizes ArcGIS Insights as an analytics workbench as well as other GIS software technology from Esri®.

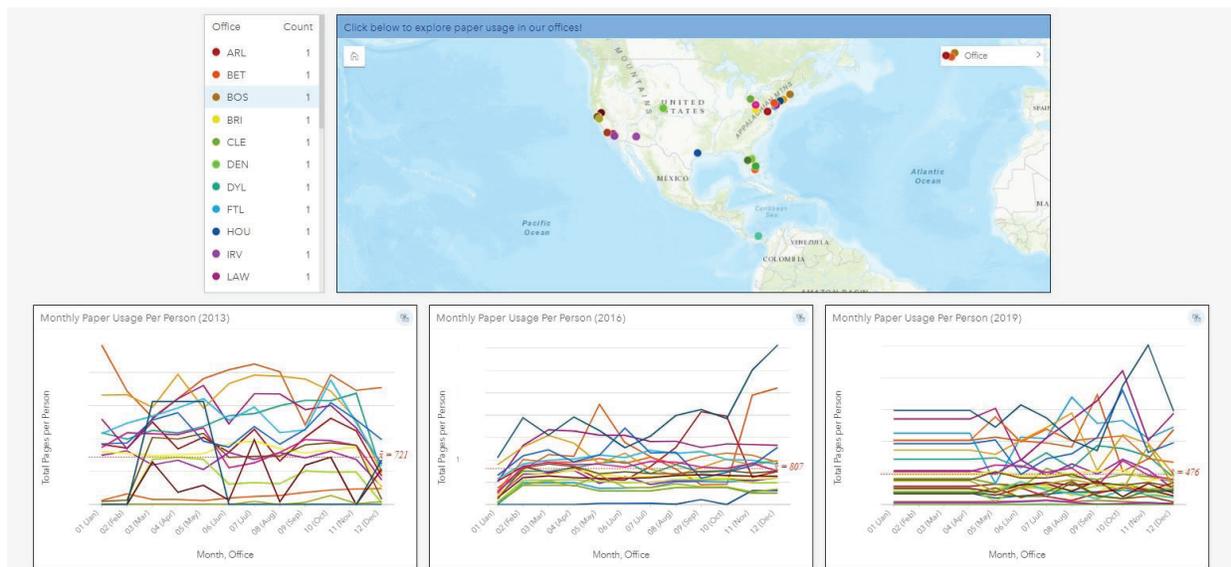
To help clients bring their sustainability data to life, Langan uses the tools and functionality of ArcGIS Insights to measure past, present, and future sustainability metrics in a single web-based platform. Insights has the ability to associate spatial and numeric data in an interactive fashion. The cross-filtering capabilities of Insights allows for greater visual analysis of trends and progress being made over time. The interface of Insights web-pages is easily navigable for users and makes excel-bound data accessible for further interpretation.



Examples of categories for sustainability metrics that can be tracked, mapped, and visualized include the following:

- Carbon emissions for transportation and travel, office energy usage, etc.
- Paper usage and associated cost savings
- Electricity usage and associated cost savings
- Tracking of purchases for “green” and recycled products
- Location of LEED Certified office locations
- Number and location of employees with sustainability credentials

Additionally, Langan has extensive experience with data collection and management through mobile mapping with apps such as Survey123 and Collector which can be utilized for the purpose of gathering additional and real-time data. Information collected through these applications can be integrated into Insights for greater analysis.



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