
# Spike®

**Bringing measurements within reach**

Esri Partner Conference
2019 Award Winner
Improving Field Operations

## FIELD DATA COLLECTION IS HARD. MAKE IT EASY WITH SPIKE AND SURVEY123.

### UPDATE YOUR GEODATABASE QUICKLY AND EASILY FROM YOUR MOBILE DEVICE WITH A SMART LASER AND SMART FORMS

Spike by ikeGPS is an affordable and easy to use smart laser measurement solution that is seamlessly integrated with Esri's Survey123 for ArcGIS® mobile app. This integrated solution is designed for the novice to intermediate user, so you can train anybody to go into the field and capture the data you need to complete your project on time and on budget.

esri Partner Network Silver

*Works With* Survey123 for ArcGIS®

*We deployed Spike with the Survey123 for ArcGIS® app to measure and collect the dimension of objects, such as our signage and facilities. Using Spike and Survey123 with our iPads reduces time in the field spent collecting assets from months to minutes, and is not only easy to operate, but highly efficient for data collection.*

**– Roberto Avila, Ph.D.,**

*GIS Applications & Data Services Unit Manager*

*Colorado Department of Transportation*

## Cut Costs & Generate a Quick ROI

Replace expensive and complicated GPS handheld devices with Spike and cut your field data acquisition costs. Capture remote GPS location and measurements during field surveys without ladders, bucket trucks, expensive GPS equipment, or additional licensing or maintenance fees.

## Save Time in the Field & Office

Collect data faster with Spike, reducing your field collection and measurement time to minutes. Faster data collection time leads to faster turnaround for reports and analyses. Photos and measurements are saved, and can be remeasured at any time.

## Integrate with the Esri ArcGIS® Platform

By integrating Spike and Survey123, photos and measurement data can be automatically associated with GIS features in ArcGIS. Field crews can boost their productivity while in the field, and catalog features or assets faster and safer.

## Easy to Adopt & Scale

Spike is easy to adopt, and requires minimal training of less than one hour. The integration with Survey123 creates an end-to-end workflow for field workers that is easy to use and scale, and is geared for the novice to intermediate user.

## Safer Field Operations

Capture measurements with Spike from a safe location and distance. There is no need to access the object in order to take measurements. Simply stand at a safe distance, aim the Spike laser at the object you wish to measure, and take a photo from your smartphone or tablet.

## Compatible with Third-Party GNSS Receivers

Spike captures and stores the location of the mobile device and the location of the target object with the distance offset along with a georeferenced image. Augment the accuracy of your location data by pairing Spike with leading third-party GNSS receivers.

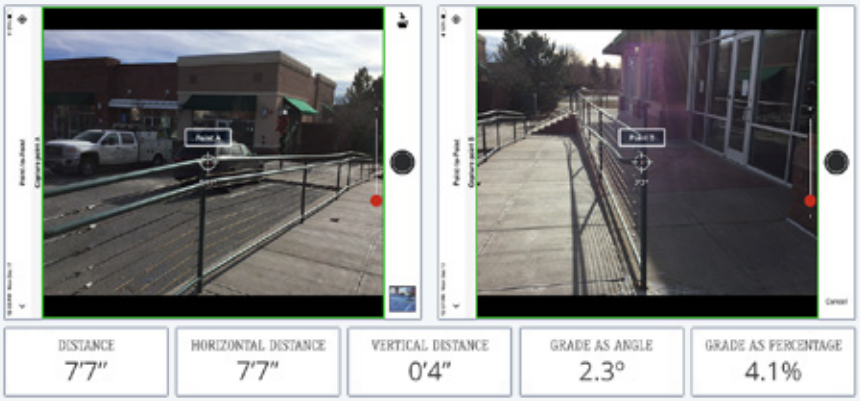
## IS MOBILE FIELD DATA COLLECTION TOO HARD OR EXPENSIVE FOR YOUR ORGANIZATION?

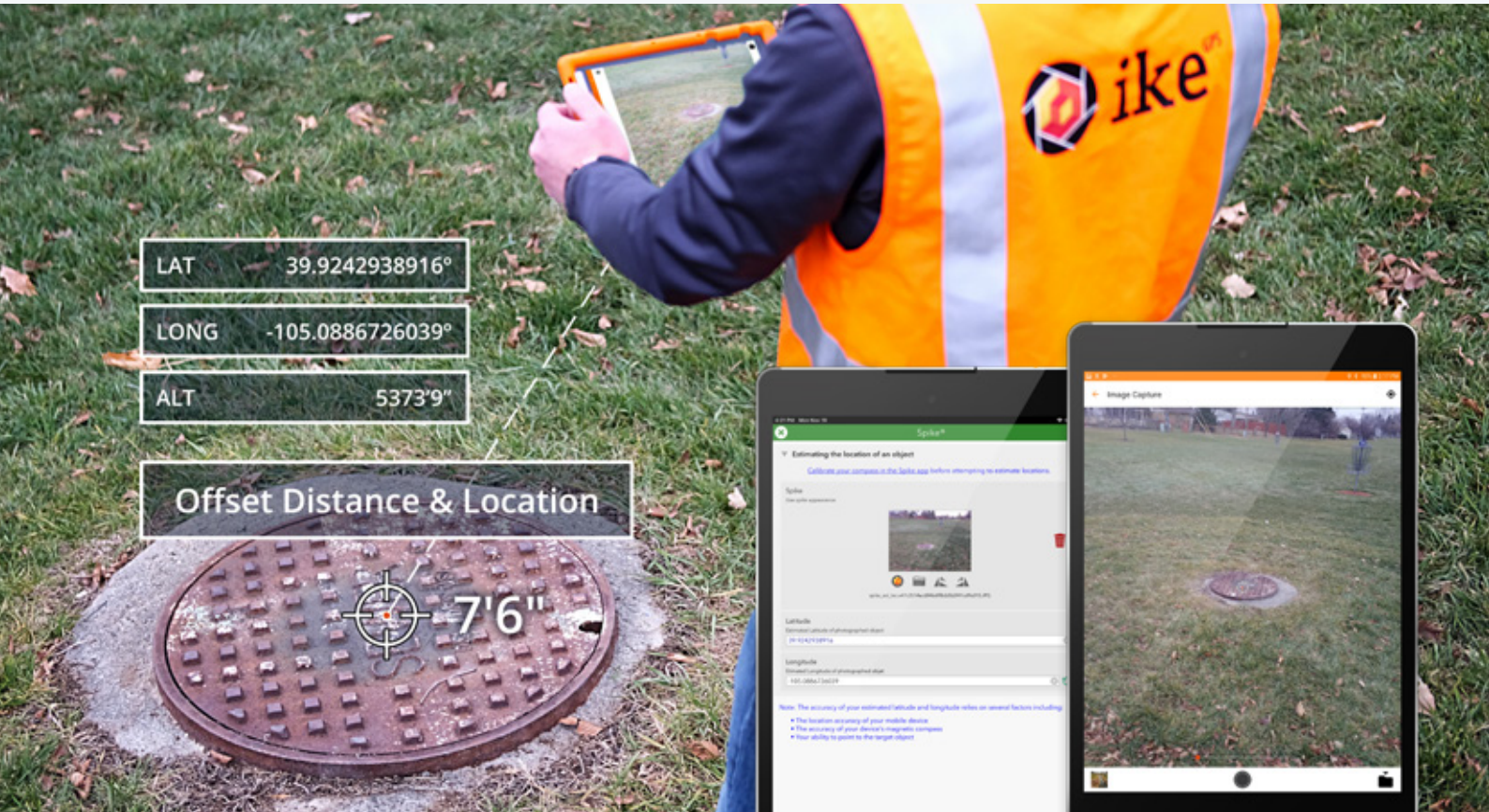
We recognize that field data collection projects can be daunting, especially when you are strapped on resources and qualified field teams. With Spike and Survey123, the inspecting, assessing, and reporting of assets or features is as easy as filling out a mobile form in the field, taking a photo with a smartphone or tablet, and automatically updating your geodatabase.

From a photo taken with your mobile device and Spike, you can measure **areas, heights, widths, elevations, distances to targets, distances between two points, and the offset GPS location** of the features you need to map in ArcGIS.

### Common Verticals and Projects for Spike Include:

- Transportation
- Emergency Management
- Code Compliance & Inspections
- Sign Inventory
- Tax Assessments
- Asset Management



THE SPIKE LASER DEVICE CONNECTS WITH YOUR SMARTPHONE OR TABLET VIA BLUETOOTH. SPIKE'S LASER RANGEFINDER WORKS JOINTLY WITH YOUR SMARTPHONE OR TABLET'S CAMERA, GPS, COMPASS, AND CONNECTION TO THE INTERNET.

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| **Device and OS** | Apple iOS & Google Android smartphones and tablets.<br>For a list of supported devices, visit support.ikegps.com |
| **Battery** | Internal Li-ion Battery |
| **Connectivity** | BLUETOOTH 4.0 low energy technology |
| **Range** | 6 – 650 Feet (2 - 200 Meters)<br>CLASS 1 LASER PRODUCT |
| **Accuracy** | Distance: ± 5cm (2 in)<br>Photo Measure: ± 1%<br>Point-to-Point Measurement: ± 3% |
| **Units** | Feet, Inches, Meters, Centimeters |
| **Output Formats** | PDF, JPG, Spike File (XML), KMZ, URL, Scaled Image |

GEOINFORMATIK

Spike® by ike GPS

Authorized Reseller

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