

GeoJot+ for Education

From field data collection ... to final reports



GeoSpatial Experts, Inc.

- ❑ Founded in 2001
- ❑ World leader in photo mapping software for business and education.
- ❑ GPS-Photo Link, introduced in 2001, has provided the most advanced photo mapping, attribute mapping, and photo-based data editing capabilities available.
- ❑ GeoJot, introduced in 2011, pioneered the use of smartphones and tablets for photo-based field data collection & cloud transfer.
- ❑ The GeoJot+ field data collection solution was introduced in November 2012. Over 8,000 trial downloads.



GeoSpatial Experts' Users

United States Army Corps of Engineers • AECOM • United States Army • Golder Associates • United States Marine Corp • Raytheon • United States Air Force • United States Navy • National Park Service • Georgia Department of Transportation • Texas Department of Transportation • Minnesota Department of Transportation • Florida Department of Transportation • State of Alaska • State of Louisiana • State of Nevada • State of Rhode Island • State of Tennessee • New York State Department of Environmental Conservation Atlanta Regional Commission • Rhode Island Natural History Survey • Big Cypress National Preserve • FEMA • Bureau of Land Management • Smithsonian Institution • American Museum of Natural History • Australia Department of Defense • Canadian Armed Forces • Department of Defense • Parks Canada • Rocky Mountain National Park • Dinosaur National Monument • The Nature Conservancy • Department of State • United States Coast Guard • USDA • Federal Highway Administration • Glacier National Park • USGS • United States Fish and Wildlife Service • United States Forest Service • Australia Department of Environment and Heritage • Government of the Northwest Territories • British Embassy • Ontario Ministry of Natural Resources • State of Qatar • Tasmania Department of Tourism • Geoscience Australia • County of Orange, CA • Jefferson County, OH • City of Bryan, TX • City of College Station, TX • City of Charlotte, NC • City of Long Beach, CA • City and County of San Francisco, CA • City of Kissimmee, FL • Lake County Stormwater • Collier County, FL • Miami-Dade County, FL • City of Tucson, AZ • Quinault Indian Nation • Florida Fish and Wildlife Conservation Commission • Los Angeles County Fire Department • Manitoba Hydro • Nueces River Authority • Honolulu Board of Water Supply • Missoula County Weed District • Rhode Island Natural History Survey • Office of the Chief Medical Examiner, New York City • Calhoun County Emergency Management Association • Washington DC Department of Health • Appalachian National Scenic Trail • Cape Hatteras National Seashore • Ducks Unlimited • National Marine Fishery Service • Northrop Grumman • AirPhoto USA • Ayres Associates • Bechtel • Brown and Caldwell • Ecological Resource Consultants • EMA, Inc. • EZ Storage • Fisher Associates • FMSM Engineers, Inc. • General Dynamics AIS • HNTB Corporation • Inwood Consulting Engineers • Johnson Engineering • LD Bradley Land Surveyors • Duke Energy • Louis Berger Group • Mesa Associates • NGA • Northstart Geomatics • Osmose Utility Services • Pacific International Engineering • Parsons Brinkerhoff • PBS & J • PixEarth • Reiss Environmental • Smart Map Imaging • Respec • TechTrans • The Titan Corporation • Transpotek Engineers • Vantage Point Photography • Walt Disney Imagineering • XPM Technologies • Carter & Burgess • Golder Associates – Jakarta • Earthquake Engineering Research Institute • Oil Spill Response, Ltd. • Bishop Museum • Pole Maintenance Company • Spokane Appraisal Services, Inc. • **Auburn University • Tufts University • University of Louisiana • Community College of Baltimore • University of New Orleans • East Carolina University • University of New Mexico • Oregon State University • University of Alaska • College of Southern Idaho • St. Michaels University School • Mount Union College • University of Arkansas • University of New Hampshire • University of Rhode Island • University of the South • University of Toledo • University of Wisconsin • Wayne State University • University of Montreal • University of Copenhagen • University of Guelph • University of British Columbia • Pontificia Universidad Catolica Del Peru • Colorado State University, Massachusetts Institute of Technology**



Applied Field Data Systems is a value added reseller of GeoJot+ focusing on education.

Ashok Wadwani, President, Applied Field Data Systems, was the recipient of the President's award at the National Council for Geographic Education (NCGE) for advancing geospatial technologies in education and society around the world.

Applied Field Data Systems offers over 40 years of experience in providing total solutions in Field Data Collection Systems, specializing in GPS, GIS and mapping applications.

Educational Information

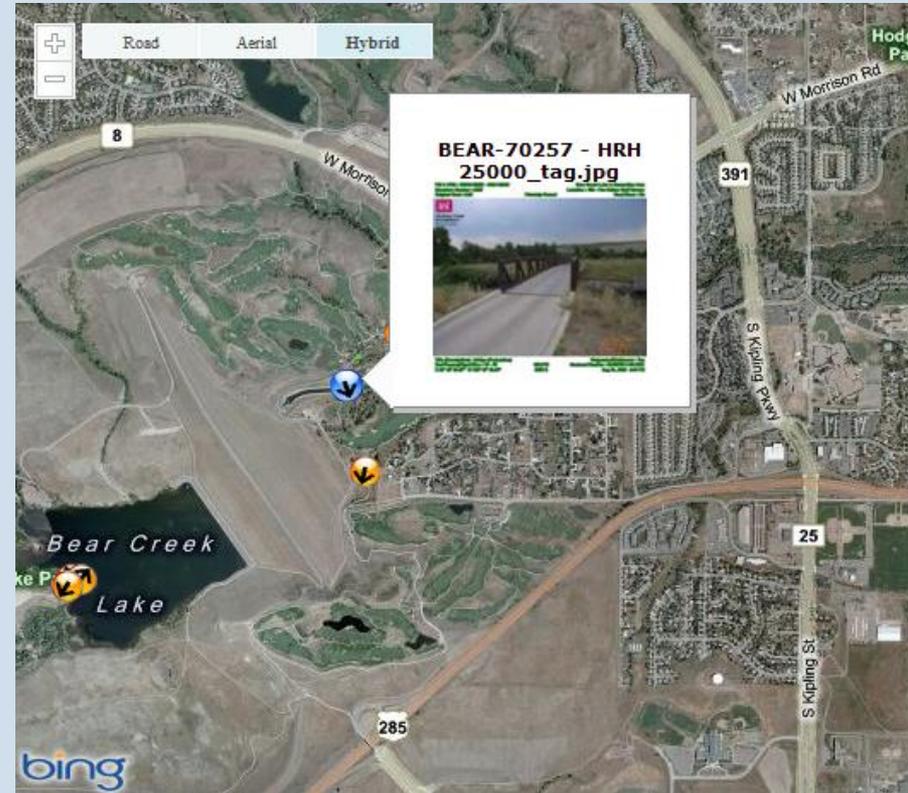
M.S. - Physics, University of Lucknow, India

MBA -Northwestern University, Evanston, Illinois.

□

Field data collection in education

- ❑ Promotes geographic understanding
- ❑ Helps students grasp spatial concepts
- ❑ Provides hands on experience with real world data
- ❑ Great for class projects



Mapped photos AND data

Capture extensive data for each photo

	Attribute	Attribute Value	Selected from "pick list"
	Sign Type	Loading	
	Condition	Faded	<input checked="" type="checkbox"/> Rusty <input type="checkbox"/> New <input type="checkbox"/> Graffiti <input checked="" type="checkbox"/> Faded <input type="checkbox"/> Missing <input type="checkbox"/> Bent <input type="checkbox"/> Broken Pole
	Action Required	Replace	
	Retro Reflectivity	20	
	Caps	NA	
	Pole Material	Steel	
	Position	Roadside	
	Jurisdiction	Parks	
	Next Maintenance	Immediate	

GeoJot+

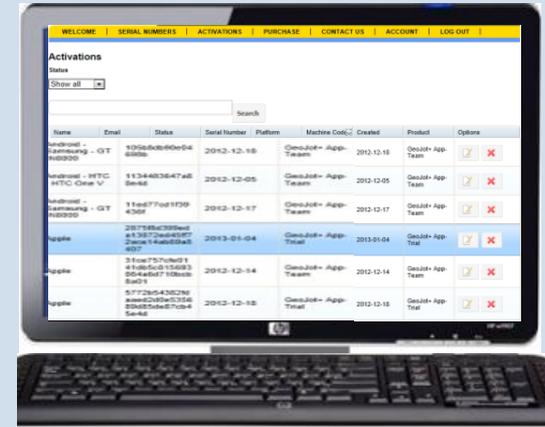
From field data collection to final reports



2. Cloud



3. GeoJot+ Core



4. GeoJot+ Administrator's Dashboard

1. GeoJot+ App

1. Use Android, Apple and Windows 6.x mobile devices to capture field data with geotagged photos
2. Automatically transfer photos & data to the office via the cloud
3. Process data back in the office: creating reports, maps and database input
4. Manage teams: add, revoke, and transfer app licenses between Apple, Android, and Windows mobile 6.x devices

Mapped photos solving real world problems



- ❑ Compliance documentation
- ❑ Site assessments
- ❑ Disaster response
- ❑ Proof of performance
- ❑ Asset inventory,

Army Corp of Engineers
Real Property Audit

Attributes		BEAR-59023 - HRH 25000_tag.jpg	
Latitude	N 39° 39' 00"		
Longitude	W 105° 08' 46"		
Date Stamp	8/31/2009	Title: XP Bear Creek Lake & Recreation Area	
Title	XP Bear Creek Lake & Recreation Area		
PID & HRH	BEAR-59023 - HRH 25000		
Location	112 - Pelican Point		
HRH Type	Privately Owned		
Structure Number	5397		
Title (Description)	Fishing Pier		
Original Cost	0.00		
Outgranted/Outleased	Yes		
Contract Number	DACW45-1-82-6091		
Cost Share	No		

GeoJot+ in Education



An Ideal Educational Tool

- Students use hardware they already own and understand
- Can easily be transferred to new students each semester
- Simple app interface for minimal training
- Training materials provided
- Extensive reporting and output capabilities
- Ability to integrate with ArcGIS and output Google Earth maps

What is GeoJot+



A hands on tool for students....

- Create data collection forms in class or in the field
- Email forms to classes or teams
- Pick lists ensure accurate and consistent data
- Automatically transfer data via the cloud back to the classroom

What is GeoJot+

A data management tool ...

- Teach the ideas of consistency and quality standards
- Create watermarked photos
- Produce customizable reports - Word, .pdf, html
- Generate maps
 - Esri Shapefiles, Geodatabases (including BLOB)
 - Run inside ArcGIS
 - Create Google Earth files
- Prepare data for input into database - .csv and MS Access files



What is GeoJot+



A GPS tool 📍

- Ideal for teaching geographic concepts
- Increase GPS accuracy on iPhones and iPads
- Display GPS location & accuracy on screen
- GPS accuracy warning
- GPS lock functionality
- Integrate laser rangefinders on Androids



GeoJot+ : Output for Every Need

- ❑ Class Reports
- ❑ Watermarked Photos
- ❑ Database input
- ❑ Web Pages

Army Corp of Engineers
Real Property Acct.

Attributes	
Latitude	36 59' 38.00"
Longitude	W 107° 09' 48"
Date Stamp	03/11/2009
Title	1P Bear Creek Lake & Recreation Area
PID & nbr	86AR-5923 - nbr
Year Type	2000
Location	112 - Pelican Point
Area Type	Private Owned
Structure Number	5397
Title (Description)	Building Pier
Original Cost	0.00
Outgained/Outloan #	Yes
Contract Number	DA-CR-03-02-4091
Cost Share	Yes

Army Corp of Engineers
Real Property Acct.

Attributes	
Latitude	36 59' 38.00"
Longitude	W 107° 09' 48"
Date Stamp	03/11/2009
Title	1P Bear Creek Lake & Recreation Area
PID & nbr	86AR-5923 - nbr
Year Type	2000
Location	112 - Pelican Point
Area Type	Private Owned
Structure Number	5397
Title (Description)	Building Pier
Original Cost	0.00
Outgained/Outloan #	Yes
Contract Number	DA-CR-03-02-4091
Cost Share	Yes

Army Corp of Engineers
Real Property Acct.

Attributes	
Latitude	36 59' 38.00"
Longitude	W 107° 09' 48"
Date Stamp	03/11/2009
Title	1P Bear Creek Lake & Recreation Area
PID & nbr	86AR-5923 - nbr
Year Type	2000
Location	112 - Pelican Point
Area Type	Private Owned
Structure Number	5397
Title (Description)	Building Pier
Original Cost	0.00
Outgained/Outloan #	Yes
Contract Number	DA-CR-03-02-4091
Cost Share	Yes

Army Corp of Engineers
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PID & nbr | 86AR-5923 - nbr | 2000
Structure Number | 5397
Original Cost | 0.00

Bear Creek Lake & Recreation Area
Location | 112 - Pelican Point
Cost Share | No

Priority Canal

US Army Corps of Engineers
Contract Number

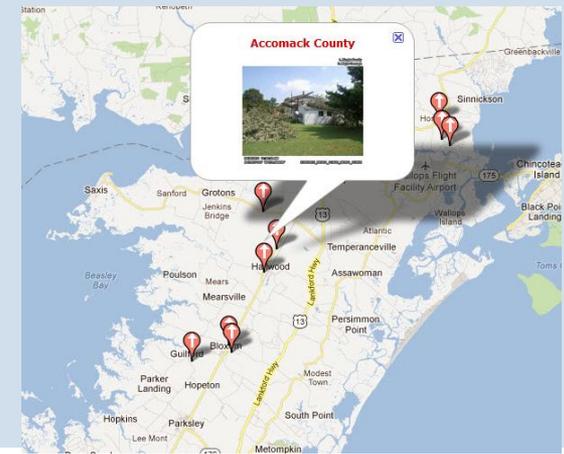
31 AUG 2009
03 176 447
03 176 447
03 176 447

Title (Description) | Building Pier
Real Property Acquisition | 45 - 76
03 176 447 | 03 176 447

Outgained/Outloan # | Yes
Contract Number | DA-CR-03-02-4091
03 176 447 | 03 176 447



- ❑ Google Earth files
- ❑ ArcGIS Shape Files & Geodatabases



End-User Output: Condensed Report


Army Corp of Engineers
 Real Property Audit

Overview Map



Army Corp of Engineers
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Army Corp of Engineers
 Real Property Audit

Attributes	
Latitude	N 39° 39' 00"
Longitude	W 105° 08' 46"
Date Stamp	8/31/2009
Title	XP Bear Creek Lake & Recreation Area
PID & HRH	BEAR-59023 - HRH 25000
Location	112 - Pelican Point
HRH Type	Privately Owned
Structure Number	3397
Title (Description)	Fishing Pier
Original Cost	0.00
Outgranted/Outleased	Yes
Contract Number	DACW45-1-82-6091
Cost Share	No

BEAR-59023 - HRH 25000_tag.jpg



Title: XP Bear Creek Lake & Recreation Area

Attributes	
Material	Wood
Use	Recreation
Use Category	Public Recreation
Agency of Interest	Other
Water Depth	Shallow to mid 12'
Structure Type	State Site
Structure	Shore
Photo Number	10776
Contract	
Build Date	03/1/2008

BEAR-59021 - HRH 25000_tag.jpg



Title: XP Bear Creek Lake & Recreation Area

Attributes	
Latitude	N 39° 38' 59"
Longitude	W 105° 08' 49"
Date Stamp	8/31/2009
Title	XP Bear Creek Lake & Recreation Area
PID & HRH	BEAR-59021 - HRH 25000
Location	112 - Pelican Point
HRH Type	Privately Owned
Structure Number	3395
Title (Description)	Vault Toilet (1 Sta)
Original Cost	0.00
Outgranted/Outleased	Yes
Contract Number	DACW45-1-82-6091
Cost Share	No

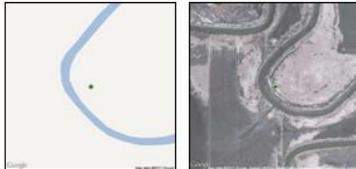
Army Corp of Engineers
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End-User Output: Contact Sheets

Reports with photos, data, & maps

BROWN COUNTY

2009 Flood in Brown County
South Dakota
Damage Assessment and
Emergency Team Deployment
FEMA disaster application



Protective Measures



Date Stamp: 9/6/2011

Protective measures



Date Stamp: 9/6/2011

Water Control



Date Stamp: 9/6/2011

BROWN COUNTY

2009 Flood in Brown County
South Dakota
Damage Assessment and
Emergency Team Deployment
FEMA disaster application



Debris Removal



Date Stamp: 4/17/2006

Water Control



Date Stamp: 3/24/2009

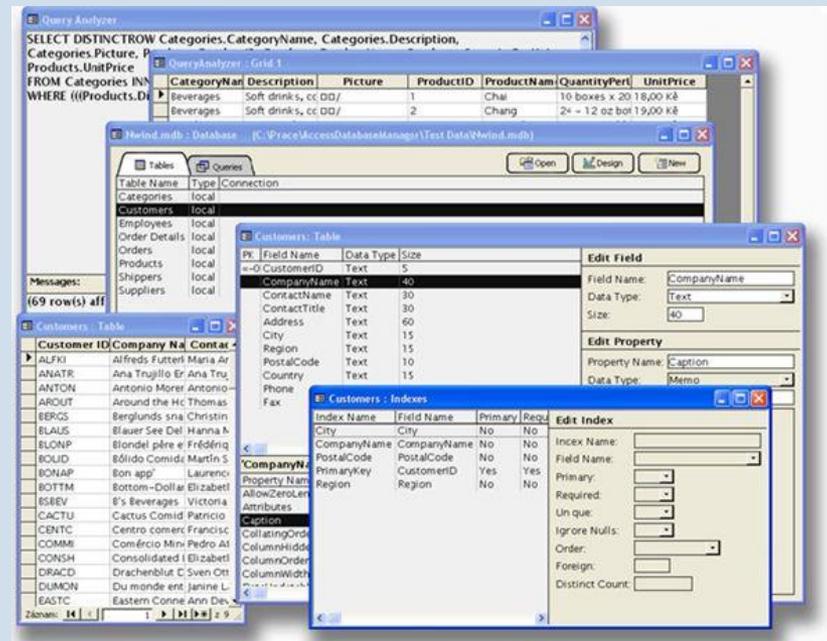
Roads Signs Bridges



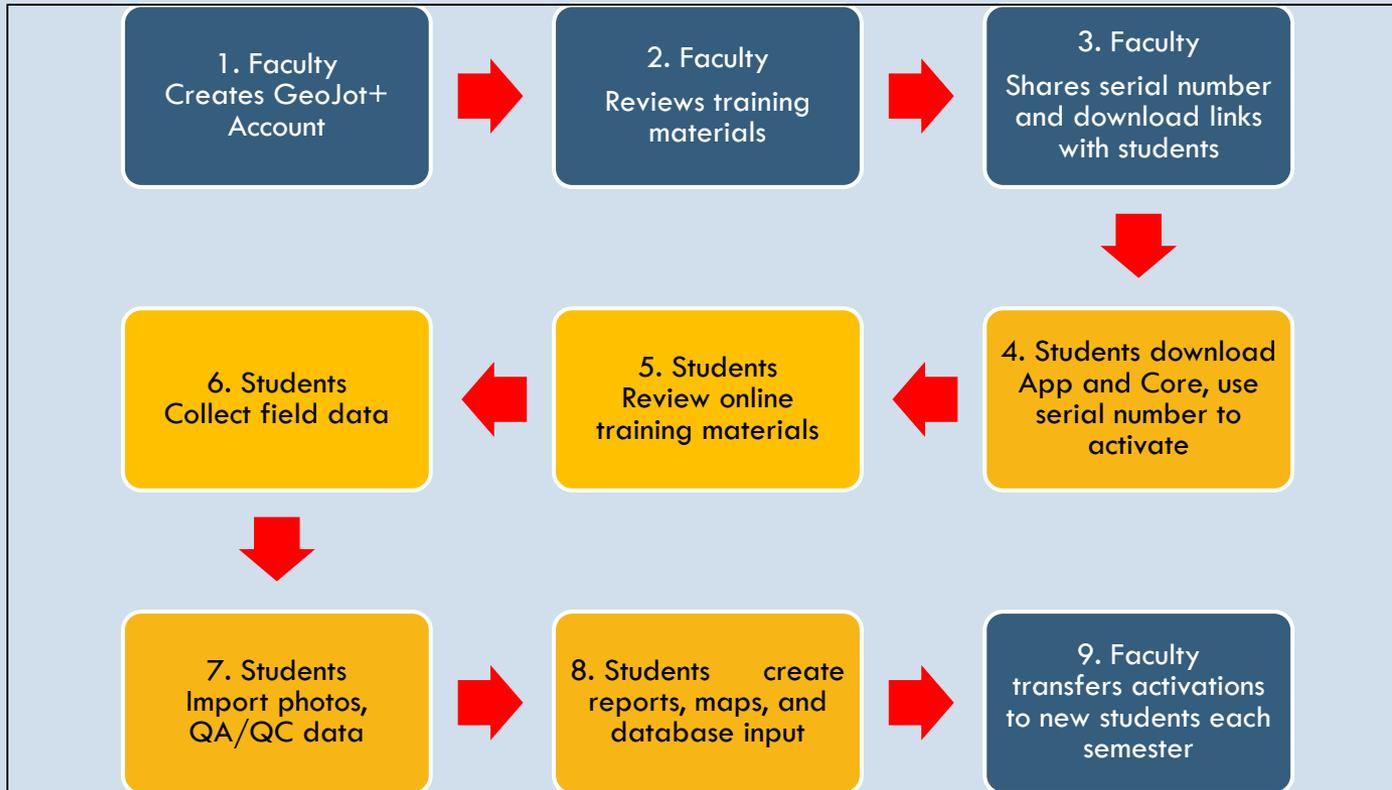
Date Stamp: 3/27/2009

End user Output: Database & Systems Integration

- Database-ready data for: Oracle, SQL Server, IBM DB2, MS Access.
- Photo-data ready for enterprise systems: SAP, asset management, ESRI Enterprise GeoDatabase, IBM Maximo



GeoJot+ for Education



GeoJot+ for Education

GeoJot+ is available at a substantial discount to educational institutions.

Save up to 70% of MSRP for 10 seat educational packages which include training materials.

Contact Ashok Wadwani for a price program / quotation that fits your specific requirements

[Register for a free trial](#)



Contact Information

Ashok Wadwani

President

Applied Field Data Systems Inc.

Email: afdsaw@aol.com

phone: 281.579.0492

www.afds.net

[Register for a free trial](#)

