

CartoPac Field Solutions for Oil and Gas



CartoPac
FIELD SOLUTIONS

November 19th
Houston Texas

Agenda and Format



- Welcome and Introductions
- CartoPac Field Server
- Real World Applications
 - Mike Harris - Anadarko
- Technology Demonstrations
- Questions
- Adjourned



Introductions

- CartoPac Field Solutions
- Laser Technology Inc
- GeoSpatial Experts
- Trimble
- New Century Software



Why Are We Here?

- At some level, have an interest in field data collection
- See mobile solutions specific to the Oil and Gas industry
- Get information on GPS, Lasers and Digital Cameras
- Try to find a better way to get the job done
- Opportunity to eat great hotel food





Who is CartoPac?

Singular Focus on Field Data Collection Solutions

- Core Technologies
 - High Performance Mobile Software
 - Configuration Tools and Services
 - Data Collection Forms
 - Database Interfaces
 - Data Integration
 - Deployment Options
 - Desktop
 - Server
- Total Mobile Solutions
 - Software
 - Support
 - Training
 - Development
 - Configuration

Successful Field Solutions For:

- Utility and Linear Assets

- Anadarko
- Chevron Pipeline
- Colonial Pipeline



- Federal Customers

- CH2MHILL – Systems Integrator
- National Parks Service – Mesa Verde, Great Sand Dunes
- USDA
- Wyoming Bureau of Land Management



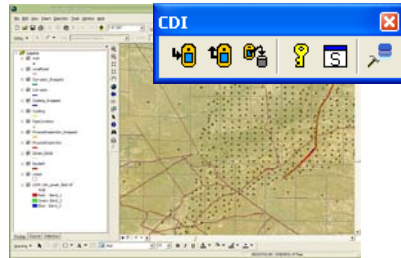
- Municipalities

- Campbell County, WY
- Prince William County Service Authority
- Springfield, MO
- Washington County, MA



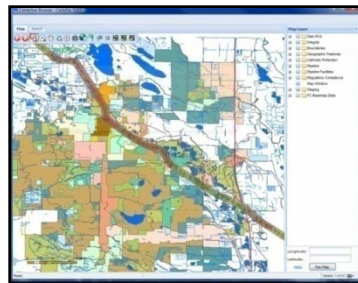


CartoPac Version 1
Patented Graphics Performance



Relational Database on Mobile
ArcGIS Desktop Extension
Forms with Relational Database Support

CartoPac Field Server
ArcGIS Server Extension



Automated Post Processing
Memory and Performance Improvements
Expanded Integration with Other Technologies

CartoPac Configured Solutions

High Performance
Mobile Software



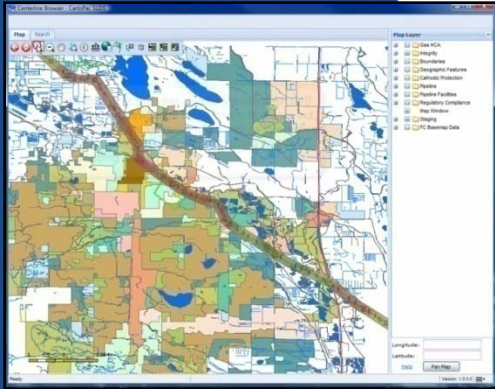
PODS Compliant
"Smart" Forms

Managed Area Details	
Area Details	Plan Info Resource Eler
Managed Area Name (R)	
WebCET Demo 1	
Total Area	145.04
Date Created	1899-12-30T00:00:00
Activity Details	
Activity	Timeline Description Details
Activity Type	Fire
Activity Practice	Burn of Activity Fuel Piles - Acres
Quantity	50.00
Frequency	Bi-Monthly
Start Year	2007
End Year	2009
Date Recommended	1899-12-30T00:00:00
Date Implemented	1899-12-30T00:00:00



[Upload to Staging](#)

Office Environment



Automated GPS
Post Processing

Introducing CartoPac Field Server

Dave Goughnour



CartoPac
FIELD SOLUTIONS



Three Core Technology Components

Desktop: CartoPac Data Interchange (CDI)
for ArcGIS

Server: CartoPac Field Server
(Stand alone or ArcGIS Server)

Toolkit: CartoPac Toolkit (Configuration)

To take data to the field, each component
utilizes **CartoPac Mobile**



CartoPac Field Server

Developed to Meet **Market Needs** for

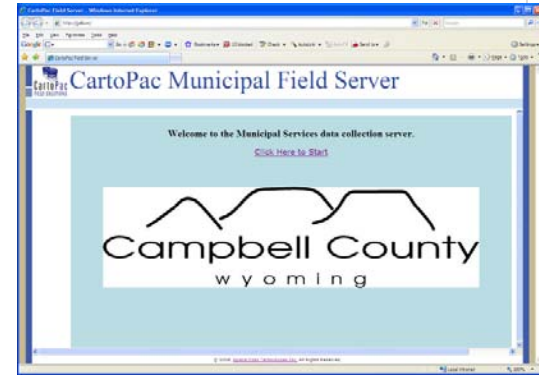
- Accessibility
 - Reduce Desktop Software Licensing
- Centralization
- Ease of Use
- Automated Processes
 - GPS Post Processing
 - Reports – Work Orders
- Fully Integrated Mobile Solution
 - Enterprise – Field - Enterprise



CartoPac Field Server Workflow



⑤ Download Work Orders

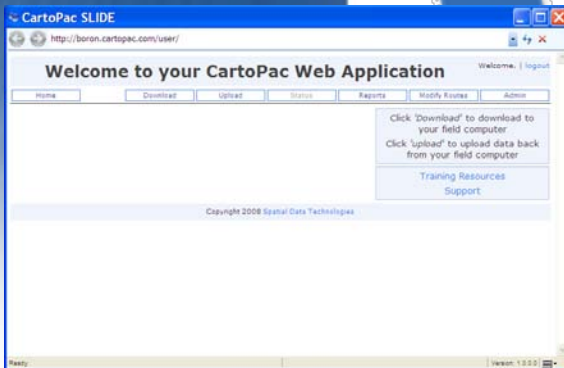


① Download



④ View Reports

③ Upload



② Collect Data





Map and Project Selection

Download to mobile

- Defined as a part of Setup and Configuration
- [Map Grid Selection](#)
- [ArcGIS Server Selection](#)
- [Download to Mobile](#)

<table><tr><td>User Name</td><td>cartopac\jake</td></tr><tr><td>Engineering</td><td><input type="checkbox"/></td></tr><tr><td>Parks Inventory</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Roads & Bridges</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Water</td><td><input checked="" type="checkbox"/></td></tr><tr><td colspan="2">Edit</td></tr></table>	User Name	cartopac\jake	Engineering	<input type="checkbox"/>	Parks Inventory	<input checked="" type="checkbox"/>	Roads & Bridges	<input checked="" type="checkbox"/>	Water	<input checked="" type="checkbox"/>	Edit		<table><tr><td>Other Tasks</td></tr><tr><td>Upload / Download</td></tr><tr><td>Clean Device</td></tr><tr><td>Projects</td></tr><tr><td>Edit my settings</td></tr></table>	Other Tasks	Upload / Download	Clean Device	Projects	Edit my settings
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Upload, Server Based Reports and Processes

- [Simple one button Upload](#)
- [Upload from mobile to ArcGIS Server](#)
- [Printed Reports](#)
- [Automated GPS Post Processing](#)
- [Basic Work orders](#)
- Integration with other processes



Introducing

Mike Harris

Anadarko



CartoPac
FIELD SOLUTIONS

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