Redlining With ArcEngine

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Tadpole-Cartesia
Tadpole Cartesia

• GIS Software Company focused on ESRI

• Partnered with POWER, Trimble, Miner and Miner, etc.

• Clients range from government, to municipality, to private companies, to utilities across the globe

• Carlsbad, CA – ESRI Strategic Business Partner
Redlining

Tadpole-Cartesia
Redlining Users
Redlining Uses
“The Old Way”

- Time-Consuming
- Expensive
- Unreliable
- Illegible
- Unproductive
Other Solutions

• Quick Fix / Spot Solutions
  – Simple to Use
  – Efficient / Saves Money

• Not *Really* Enterprise
  – Sunk Cost / Limited Future
  – Ad-hoc
Why Not GIS?

• Tools were difficult – not field tools
• Required training
• Overhead – hardware and software
• “Unnecessary” skill set
Ideal Solution Requirements

- Enterprise ArcGIS
- Leverage Investments
- Customizable
- Lightweight
- Cost Effective
- Efficient
- Fit For Purpose
Introduce ArcEngine/Redlines

Real World Demand

Core ArcGIS
Redlining With ArcEngines

Benefits

• Intuitive to the Field Worker
• Saves Money
• Increase Accuracy
• Improve Productivity
GO! Sync Solution
For Redlining Field Systems

GO! Sync
SDE to pGDB
Redlining With ArcEngines

Graphic Elements
Redlining With ArcEngines

**REDLINE TYPES**

- **SDE**
- **Enterprise GeoDatabase**
- **pGDB**

**ADMINISTRATOR**

**Field Workers**

**PERSONAL REDLINES**
Redlining With ArcEngines

**REDLINE TYPES**

Enterprise GeoDatabase

SDE

ADMINISTRATOR

FIELD PROPOSED

MY PROPOSED REDLINES

Field Workers

pGDB

pGDB

pGDB

pGDB
Redlining With ArcEngines

**REDLINE TYPES**

- **Enterprise GeoDatabase**
- **SDE**
- **MINISTRATOR**
- **ENTERPRISE REDLINES**
- **SHARED REDLINES**
- **Field Workers**
Redlining With ArcEngines
Approval Process – Proposed Changes

Enterprise GeoDatabase
SDE

ADMINISTRATOR

XML
Proposed Changes

Field Workers

pGDB pGDB pGDB pGDB
Redlining With ArcEngines
Approval Process – Request For More Information
Redlining With ArcEngines

Approval Process - ReProposed

Enterprise GeoDatabase

SDE

ADMINISTRATOR

XML
Proposed Changes

Field Workers

pGDB

pGDB

pGDB

pGDB
Redlining With ArcEngines
Approval Process – Proposed Change Rejected
Redlining With ArcEngines
Approval Process – Approved Change Accepted
General Workflow
DEMONSTRATION
QUESTIONS? QUESTIONS? QUESTIONS?