Geographic Information Systems

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VitTech Team Objective and Methods

To support supervisors and managers with timely visualized information to increase efficiency, production, and safety.

- Replace paper with mobile data entry with ArcGIS Collector and AgCode.
- Centralize data in RDBMS like SQL Server to create Query Layers.
- Visualize data in map and graph formats using ArcGIS and Tableau.
- Centralize information access in SharePoint 2013 via embedded maps and graphs.
Past Success

VineCount Database Mobile Maps

Vineyard Site Selection Analysis

Grape Maturity

Harvest Safety

Harvest Progress Tracking
What’s New in 2014

Bud Count Collector App
What’s New in 2014

Harvest Quality Control Operations Dashboard
What’s New in 2014

Pest Control 21 Day Cycle Tracking
What’s New in 2014

Hours of Drip or Sprinkler Irrigation
What’s Next?

Vehicle Tracking with GeoEvent Processor
One Stop Data Portal

SharePoint 2013: Embed Web Maps, Op Dashboards, and Tableau Graphs
Lessons

• Test systems on small scale, then expand.
• Avoid too many data sites and logins, centralize access (e.g. SharePoint).
• Focus on user experience, especially with users new to technology.
• Train users and test skills before going live.
• Get input from users, find out what’s important to them, and how you can better visualize their data.
Questions?

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