

ESRI Integration with WindMil and GeoDigital

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ESRI Integration with WindMil and GeoDigital

- ESRI and Windmil Integration (Windmilmap): October 2014
 - Reasoning
 - Get down to one circuit model
 - Enter electrical model data once
 - Increased map accuracy will help eliminate unnecessary field work and improve efficiency
 - Projects post to OMS daily for outage prediction
 - Preparation
 - Data Cleanup (done after integration – not recommended!)
 - Execution
 - Coordinate system changes
 - Leave time for training
 - minimize business disruptions



ESRI Integration with WindMil and GeoDigital

- ESRI and Windmil Integration (Windmilmap): October 2014
 - Successes
 - Flexibility to choose which program is best to use for tasks (WindMil vs ArcMap)
 - Reporting
 - Model analysis
 - Circuit Diagnostics
 - Electrical model data is stored in one place with one source
 - Challenges
 - Recreate the 'rules' for data editing
 - Get data from Windmilmap to ArcReader and CarryMap
 - ESRI Reports work much better with data sourced exclusively from ArcMap .gdb
 - Bugs, bugs, bugs!
 - Coordinate system issues between models and per MXD
 - Finding all items that hook into the system and have been affected (scripts, reports, etc.)
 - Coordinated upgrades between systems



ESRI Integration with WindMil and GeoDigital

- Windmilmap and GeoDigital Integration: November 2015
 - Reasoning
 - Stakers are already doing digital mapping – why do it twice?
 - GPS accuracy vs manual entry
 - Eliminate double entry of information
 - Preparation
 - Provide clean list of WindMilMap fields in use – electrical data, symbology, labeling, etc
 - Establish new workflows
 - Execution
 - Tricky without a test or dev system – complications aren't realized ahead of time and have to be dealt with in production
 - Many players complicates integration troubleshooting (LCP IT, LCP Engineering, Milsoft, GeoDigital)



ESRI Integration with WindMil and GeoDigital

- Windmilmap and GeoDigital Integration: November 2015
 - Successes
 - Created a 'Gatekeeper' for map data entry
 - Kept employees entering map data to a minimum
 - Much more accurate element placement via GPS
 - Less decision making (which side of the road is this line supposed to be on?)
 - Continued improvement in the amount of data that can be imported into WindMilMap
 - Challenges
 - Workflows
 - GPS tolerances vs aerial photography
 - Not getting enough information imported into WindMilMap requires manual entry
 - Coordinate system issues between systems
 - Coordinated upgrades between systems



ESRI Integration with WindMil and GeoDigital

- Was it all worth it?
- Yes – the benefits outweigh the pain!
 - Recommendations
 - Strongly recommend primary mapping employee has IT and GIS knowledge
 - Strongly recommend primary mapping employee only does mapping
 - Prior to Jan 2015, we hadn't had a position dedicated exclusively to GIS for almost 5 years. Our experience may be different than others.
 - Have an IT dept. member responsible for and dedicated to all IT aspects of the integrations from start to finish.
- With our integrations completed, over time our GIS will be more accurate and data entry will become less cumbersome.
- We see the benefits of these integrations on a daily basis, and our users do too!