



# Tying it all Together

## Electric Distribution Operations Dashboard

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# Goal

- Tie multiple systems together into one easy to use map that all business departments could use.

# Roadblocks

- Had 2 major problems
  - Manipulation of data
  - Didn't have an easy way to distribute results

# Options from ESRI

- JavaScript
- Flex
- Silverlight

# ArcGIS Viewer for Flex



- Easy to configure
- Easy to use and fast
- No thick client software to install
- No need to update data since it's live

# Data manipulation-One solution

- GIS data, no problem
- Other data sources, Big problem!
- 2 types of data
  - Live
  - Moderate dynamic



# Import Tool

Configure ImportExt: SERVER = '10.70.212.21' INSTANCE = 'sdesqlserverup-gis01' DATABASE = 'UNC\_EOS' VERS...

50 Import Specs

| IsEnabled                           | Name                                     | Destination Table      | Schedule  |
|-------------------------------------|--|------------------------|-----------|
| <input checked="" type="checkbox"/> | TWACS_24hr_Blink_Count                   | TWACS_24hr_Blink_Count | Every 1 c |
| <input checked="" type="checkbox"/> | TWACS_48hr_Blink_Count                   | TWACS_48hr_Blink_Count | Every 1 c |
| <input checked="" type="checkbox"/> | TWACS_72hr_Blink_Count                   | TWA                    |           |
| <input checked="" type="checkbox"/> | TWACS_Excessive_Blink_Count              | TWA                    |           |
| <input checked="" type="checkbox"/> | TWACS_Failed_Meter_Read                  | TWA                    |           |
| <input checked="" type="checkbox"/> | TWACS_Phase_Mismatch                     | TWA                    |           |
| <input checked="" type="checkbox"/> | TWACS_Voltage_Reading_24hrs              | TWA                    |           |
| <input checked="" type="checkbox"/> | TWACS Collars                            | UNC                    |           |
| <input type="checkbox"/>            | Voltage by lat file sample               | Volta                  |           |
| <input checked="" type="checkbox"/> | Crew info from Mibsoft                   | UNC                    |           |
| <input type="checkbox"/>            | SO Completed but not Closed              | SO_C                   |           |
| <input checked="" type="checkbox"/> | TWACS-Meters Installed                   | UNC                    |           |
| <input checked="" type="checkbox"/> | Aged WonderOrders-greater than 1200 days | Work                   |           |
| <input checked="" type="checkbox"/> | EMOBILE                                  | EMO                    |           |
| <input checked="" type="checkbox"/> | SERVORDERDETL                            | SERV                   |           |
| <input checked="" type="checkbox"/> | SODESCHMSTR                              | SODE                   |           |
| <input checked="" type="checkbox"/> | High Value Units                         | HV_L                   |           |
| <input checked="" type="checkbox"/> | Oakboro Jobs                             | Oakb                   |           |
| <input checked="" type="checkbox"/> | TWACS Meters in SEDC                     | TWA                    |           |
| <input checked="" type="checkbox"/> | TWACS-Leaking Boots                      | TWA                    |           |

Save To Load From

**TWACS\_24hr\_Blink\_Count**

1) Common

IsEnabled: True  
 Name: TWACS\_24hr\_Blink\_Count  
 Schedule: Every 1 days at 5:30 AM, last time was 5:30 AM

2) Source Connection

Source Connection String: data source=UP-GIS01;initial catalog=UNC\_EOS;persist en  
 Net Framework Data Provider for SqlServer  
 Continue on error: True  
 Source Timeout Seconds: 2147483648

3) Source Data

Source Table: dag\_24\_hr\_blink\_count  
 Source Table Key Fields: SERIALNUMBER  
 Source Table Fields:  
 Source Where Clause:  
 Source Table Modified Field Name:  
 Source SQL Override:  
 Source Table Spatial Columns: XYZ:XY SRID = 2264  
 Max Source Modified Value: 16/05/2012 5:30:00 AM

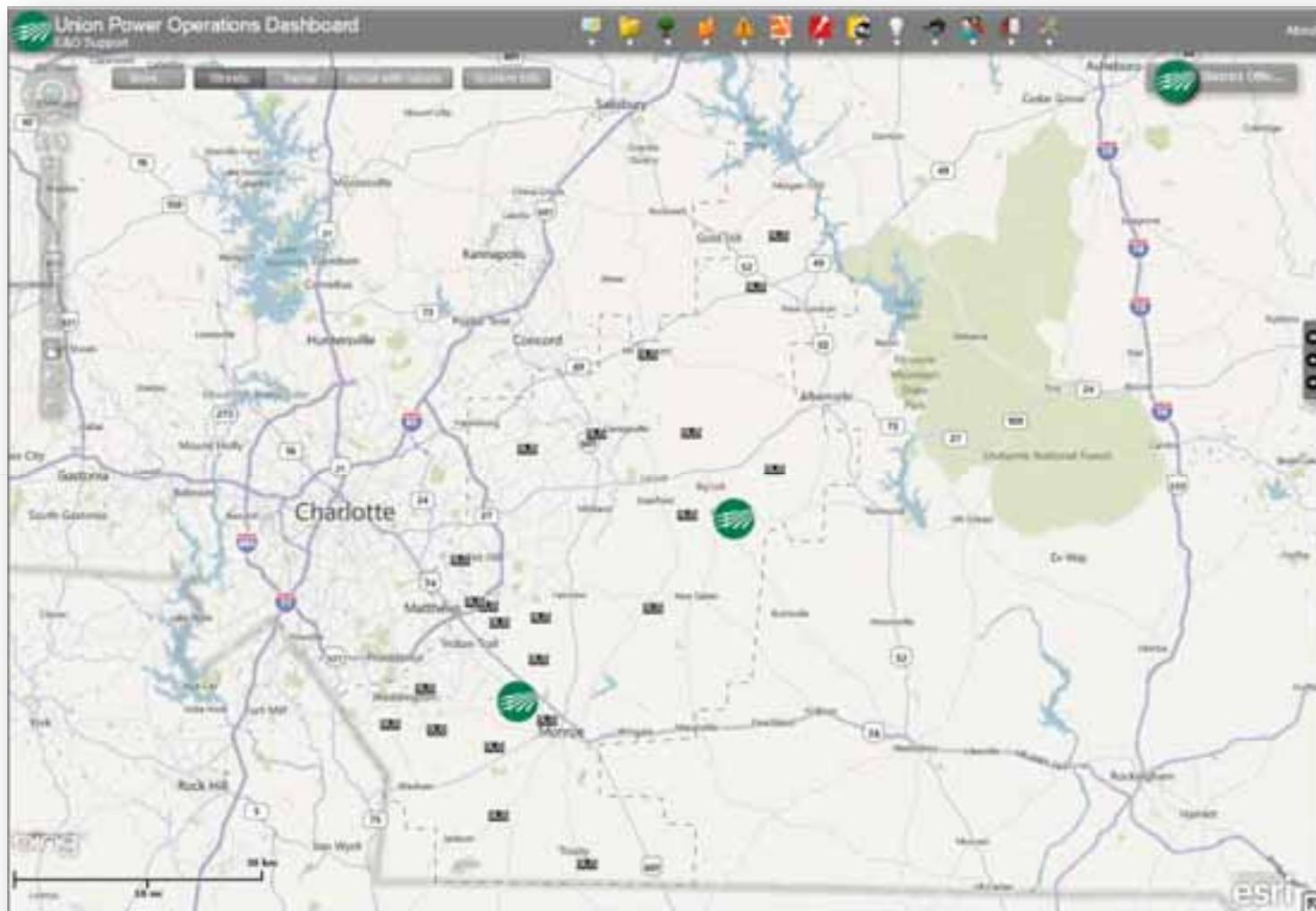
4) Destination

Destination Table: TWACS\_24hr\_Blink\_Count  
 Destination Table Key Fields: SERIALNUMBER  
 Allow Destination Deletes: True  
 Allow Destination Inserts: True  
 Allow Destination Updates: True  
 Allow Geometry Updates: True  
 Destination Modified Field Name:

Name

OK Cancel

# DEMO





# Questions

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