

# **Northern Neck Electric Cooperative**

## **Integration Case Studies**

# Basic Stats

**6 Counties**

**18,000 Meters**

**1,900 Miles of line**

**64 Employees**

**IT Dept (3)**

**30% Seasonal Members**



## Where We Are



**Warsaw, Virginia**



# NNEC Systems

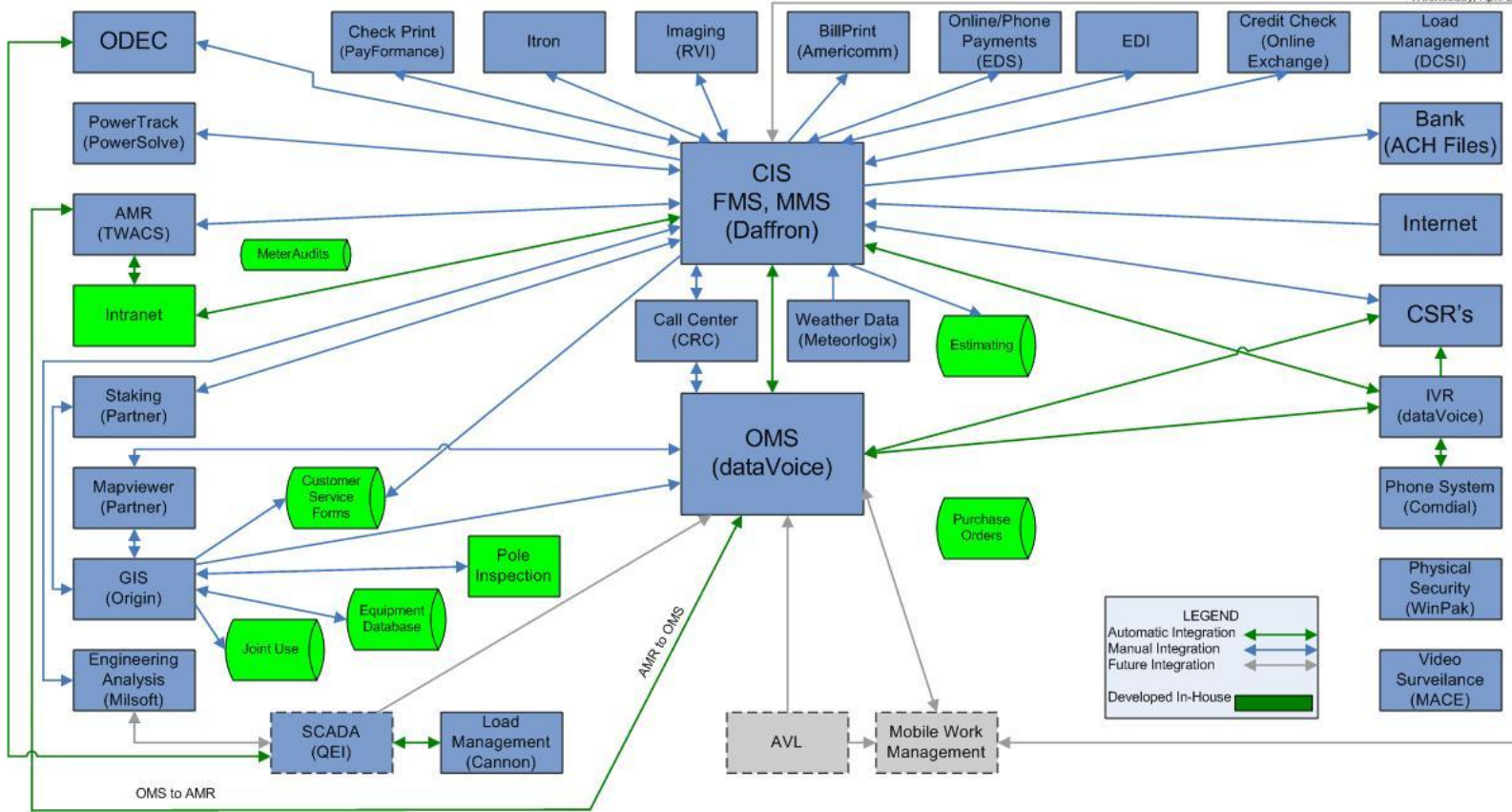
- AMR – TWACS
- CIS – Daffron
- OMS – dataVoice
- IVR – dataVoice
- Mapping - Partner



# Integration Analysis

## Integration Analysis—Northern Neck Electric Cooperative

Wednesday, April 25, 2007



# Current Multispeak Status

- CIS
  - Installed iXp Toolbox
- AMR/AMI
  - Installed Optimum
- Testing
  - Meter Adds/changes/removals

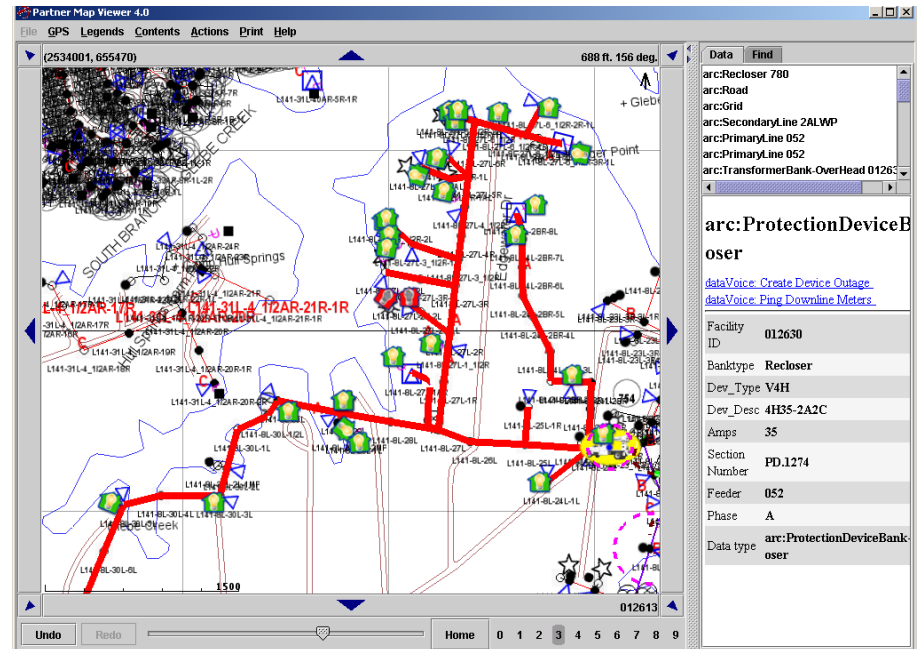
# Multispeak Concerns

- Understanding
- Priority
- Testing
- Documentation
- Knowledge Base

# Tying It All Together!

This shows how the data is linked together in a useful format:

- The lines are shown on our map
- The data from the CIS system is shown on the right-hand side.
- Ping results, submitted from the mapping system by the OMS system to the AMR system, show the status of the pings.
- The red line indicates the predicted circuit that is out.



The screenshot shows the 'Partner Map Viewer 4.0' interface. The main map area displays a network of power lines and equipment. A prominent red line highlights a specific circuit path. The right-hand side of the window features a 'Data' panel with the following information:

arc:Recloser 780
arc:Road
arc:Grid
arc:SecondaryLine 2ALWP
arc:PrimaryLine 052
arc:PrimaryLine 052
arc:TransformerBank-OverHead 01263
<b>arc:ProtectionDeviceBoser</b>
<a href="#">dataVoice: Create Device Outage</a>
<a href="#">dataVoice: Ping Downline Meters</a>
Facility ID: 012630
Banktype: Recloser
Dev_Type: V4H
Dev_Desc: 4H35-2A2C
Amps: 35
Section Number: PD.1274
Feeder: 052
Phase: A
Data type: arc:ProtectionDeviceBank-oser



Northern Neck  
Electric Cooperative  
A Touchstone Energy® Cooperative



# Custom Integration

- Developed In-house
  - Intranet
- Purchased from vendors
  - Modules
  - Custom Programming
- Maintenance
- Upgrades

# Questions?

Michael Hyde

Manager, CIS

Northern Neck Electric Cooperative

[mhyde@nnec.coop](mailto:mhyde@nnec.coop)