



Site Surveys

Computerized Radio Path Study

Propagation models:

- a) Longley-Rice;
- b) Allesbrook-Parsons;
- c) Bloomquist-Ladell; or
- d) Okumura-Hata/Davidson.

Communications

Methods

- a) Hardwire
- b) Radio
 - 1. Spread Spectrum
 - 2. UHF, VHF, MW
- c) Satellite
- d) Phone lines
- e) Cell phone
- f) Internet

Manufacturers

- a) Motorola
- b) Allen Bradley
- c) MDS
- d) Phoenix Contact

Auxiliary Components

- a) Antennas
- b) Grounding
- c) Lightning Protection
- d) Solar Powered Options
- e) Antenna Mast

Software Development

Screen Development

- a) Intellution Ifix
- b) RsView
- c) Wonderware

PLC Programming

- a) Allen Bradley / RSLogix
- b) Siemens / MicroWin32
- c) Moscad / Motorola

ToolBox

Components Panels

Manufacturers

- a) Siemens
- b) Allen Bradley
- c) Miscellaneous

Methods

- a) Touch Screens

b) HMI's or OID's

Instrumentation

- a) Flow Meters
- b) Pressure Transducers
- c) Level Transducers
- d) Temperature Transducers
- e) Open Channel Monitors
- f) Ultra-Sonic Probes
- g) Residual and Total Chlorine
- h) pH
- i) Turbidity/Total Suspended Solids
- j) Total Dissolved Oxygen
- k) Chart and Data Recorders

Host Computers

- a) IBM
- b) Dell
- c) XP Pro
- d) Windows 2000
- e) Scada-Alarm
- f) UPS systems
- g) Laptops for client runtime applications
- h) Printer
- i) Remote Client Access

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