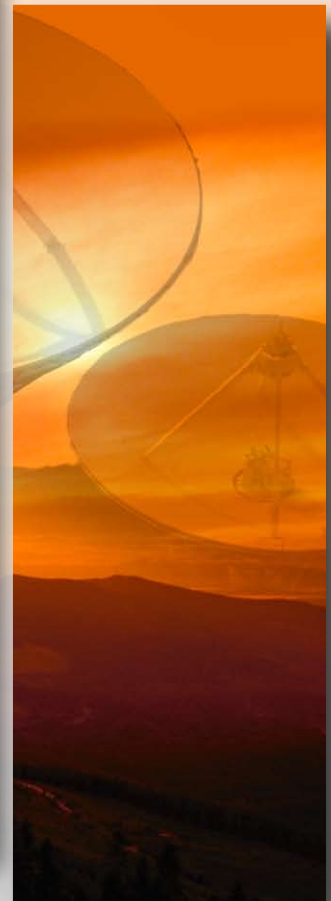


Automation Inc.

Communications Group

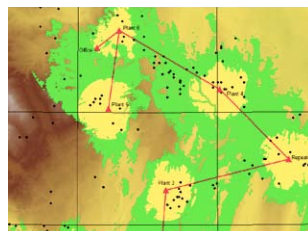


“Experienced and highly-qualified communications specialists providing first-rate service and design with no surprises.”

Our Communications Group strives not just to get the job done, but to deliver superior engineering and design.

We have experience with multifaceted designs (multiple protocols, various interfaces such as RS232/RS485/Ethernet, high-speed IP backbone for hundreds of sites, etc.)

Many of the wireless systems we design surmount rugged terrain and are built to work in harsh environments. We have designed systems connecting hundreds of sites and are capable of designing virtually any scale and type of network. In all cases we plan for the future by accounting for the possibility of expansion and future throughput needs.



Repeater Coverage Area Map

Protocols we typically deal with include: DF1, MODBUS, BSAP, ROC, MODBUS TCP, TCP/IP.

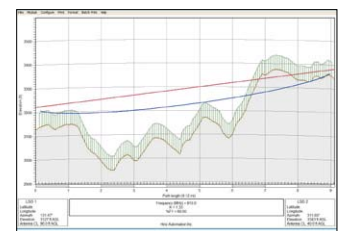
We can facilitate any of your communications needs. We do many system upgrades (improve speed, expand, etc.) and often get called to resolve outstanding issues.

Typical services:

- Preliminary studies to determine optimal network possibilities
- Path & coverage analyses
- Network design accounting for customer requirements (costs, expandability, network speed, time, diagnostic capabilities and maintenance)
- Network upgrades and network troubleshooting
- Network interfacing
- Solar design
- Hardware requirements, hardware delivery, and installation
- Commissioning of radio's or training/instructions for commissioning
- Tower, mast & structure analysis

With all our designs we provide supporting documentation. Typical Documentation provided to clients:

- Path profiles and analysis
- Coverage maps
- Architecture drawings
- Hardware list (satellite's, radio's, antenna's, cables, towers, masts, solar panels, switches, routers, terminal servers, etc.)



Path Loss Illustration

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