

Gemini-SCADA 2

Control & Monitoring for MV Electrical Distribution Systems



Gemini-SCADA 2

The right SCADA choice

Lucy Electric offers our customers entire electrical network remote control options, via the use of our automation and monitoring products. In addition, Lucy Electric provides switching and protection solutions for electrical distribution systems. Our technology is at the cutting edge of MV switchgear design and innovation, specialising in both ground and pole-mounted switchgear. With these combined capabilities, we can offer our customers a truly systems engineered approach to their turnkey MV electrical distribution requirements for the utility, industrial, commercial and infrastructure sectors.

Other benefits include:

- Use of an “off the shelf”, Windows based solution that has the ability to be tailored to suit any control room operation
- Scalable and affordable system architecture
 - Requirements can be single user read only accessibility, right through to multi user read/write privileges that can be securely accessed from any networked PC
 - Network status and alarm handling can be interrogated via SMS messaging and mobile communication devices
- Low cost of ownership, due to easy configuration and upgrade paths to reflect future network changes
- Financing options available

Core SCADA Capabilities

- Real time data collection, database management, real-time dynamic data display
- Secure operator supervisory control
- Alarm, event, sequence of event management
- Historical collection with real-time and historical trending graphs
- User-based security
- On-line configuration

Time for the right call...

To improve your real time understanding and operational capabilities of your MV distribution systems, why not give Lucy Electric a call or email your requirements to our specialist Automation team.



Specification for G2-SCADA

Requirements

- Microsoft Windows 2003 server,
- Windows XP or later
- Pentium IV; 512MB RAM
- 120MB disc space; CD ROM
- TCP/IP LAN Interface
- SCGA or higher Mouse

Display & Graphics

- Multiple monitors per workstation
- Windows style navigation
- Object-orientated graphics
- Industry specific object libraries
- Pan, zoom with automatic declutter

Summary Lists

- Alarms
- Events
- Sequence of events
- Dynamic database display
- Control tag
- Information tag
- Manual overwrite
- Disabled alarms
- Operator notes

Connectivity

- G2-RTU (Lucy Electric)
- Multiple communications to
- RTUs, IEDs, PLCs or other I/O devices
- DNP3, IEC 60870-5-101/104 – others on request
- Full OPC server and client support
- Multiple simultaneous parallel, serial
- and/or Ethernet communication channels
- e.g. radio, GSM or GPRS

Safety Features

- Select before operate control
- Control timeouts; control fail alarm
- Simultaneous control lock-out
- Control tagging (control lock-out)
- Information tagging

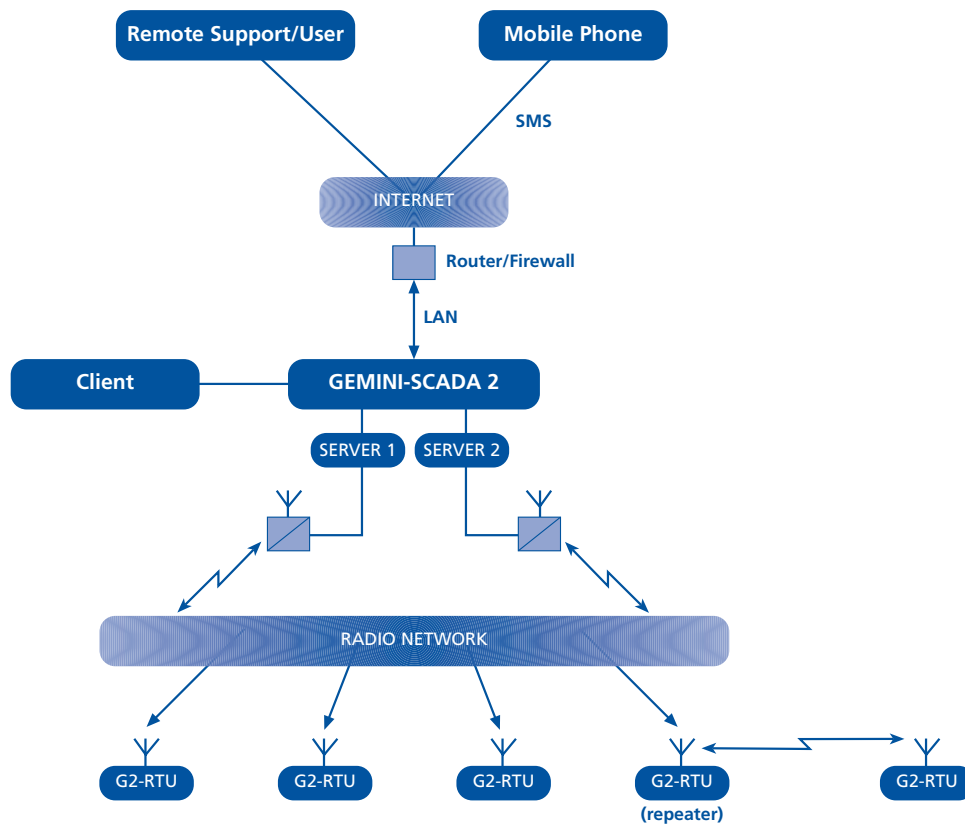


Automated Pole Mounted Load Break Switch



Automated Ground Mounted Ring Main Unit

Typical G2-SCADA System Architecture (with redundant servers/communications)



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