



## eLAN™ IED Anywhere™

Bow Networks' product families address a wide range of communications and data integration issues from the substation to the control center, and into the enterprise. Each product is focused on a specific application within the utility's communication infrastructure. IED Anywhere is designed to meet the utilities need to provide secure remote engineering access to field IEDs.

### Benefits

- Remote, transparent access to IEDs, from any software application
- Preserves investment in legacy gateway devices and communication infrastructure
- Meets NERC standards for cybersecurity
  - Strong (2-factor) authentication
  - Individual user accounts
  - Audit log
- WAN or Dial-up access
- Administration interface allows management of thousands of IEDs and hundreds of users

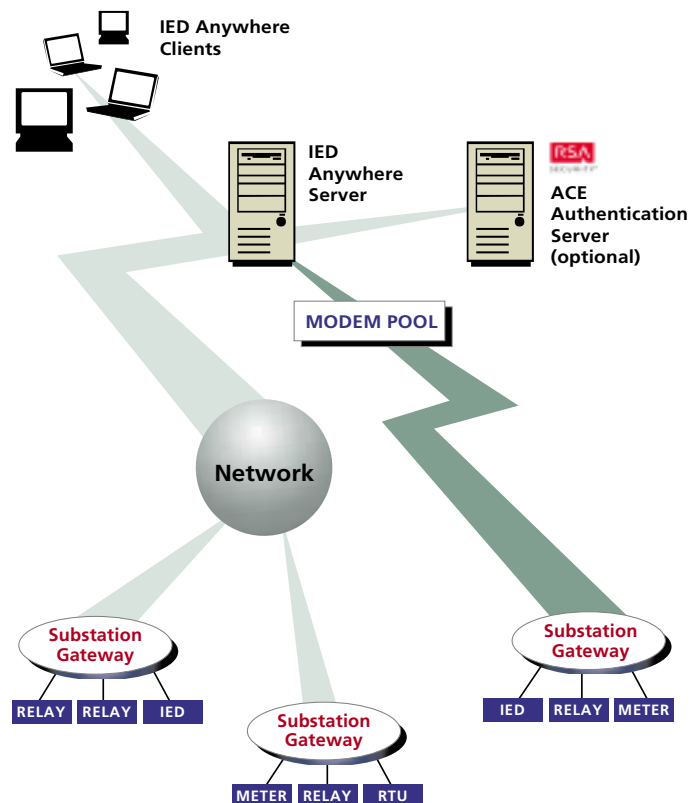


### IED Anywhere Overview

Bow Networks' IED Anywhere application was developed to address the need of utilities to interactively access remote field IEDs, for maintenance, configuration, and data retrieval. IED Anywhere allows an IED maintenance application to remotely communicate with its associated IEDs, as if the user were directly connected to the IED with a serial cable.

### System Architecture

The IED Anywhere system consists of a server, typically located at a data center, or other central location, and a number of client machines. The clients are typically user's desktop and laptop computers. The server contains the system database, and manages all connections from the clients to the remote IEDs.



## Features

### Security

- Individual user accounts
- Two-factor authentication, using RSA SecurID (optional)
- Audit log of all IED accesses
- Prevents users from remotely changing IED passwords (optional)
- Optional encryption
- Designed to NERC CIP-002-1 through CIP-009-1 (formerly NERC 1300)

### Supports wide range of remote gateways

- Bow Networks eLAN Substation Communications Server
- SEL PRTU/2020/2030/2032
- Dymec Dynastar
- RFL 9660
- Telephone port switches (eg Teltone)
- Terminal servers (many vendors)

### WAN or modem access to field

- Integrated modem pool management

### Ease of administration

- Structured view of IEDs (region/substation/gateway)
- Supports groups of IEDs and users

## About Bow Networks

Bow Networks was founded in 1986 to provide real-time computing expertise to utilities and electric industry vendors. Throughout these years of successful operations, the Company has established its reputation as a leader in applying to sophisticated network-based solutions and user applications, expert knowledge of protocol translation, security, enterprise networks, LAN/WAN technology, and communications media. Bow Networks is fully committed to the electric utility industry and has invested significantly in what is now the most advanced platform for substation communications and data management – eLAN.