

# Precyse Technologies

## iLocate Remote Sensing Solutions

A New Generation of Wireless  
Communication Technology  
Connecting All Things for a World  
That's Always On



## Bridging the Last Mile – Automated Meter Management

Precyse technologies offers Asset Networking technologies to bridge the gap between billing systems and the outside world. By distributing low-cost computing power to the edges of the network, the Precyse iLocate solution automates data acquisition, delivers remote control, extended management capabilities and adds reliability to help electricity companies drive down operating costs and reduce fraud and power theft.

### Solution Components



#### Smart Agent

Low-cost wireless computing device, the smart agent includes:

- 7 A-to-D ports
- 1 Digital port for multiple meters
- Anti-tamper protection
- Interface to disconnect power
- AES128 wireless security
- 4-channel frequency hopping to avoid radio interference
- Up to 7 years battery life
- Up to 1.5 KM wireless range



#### Concentrator

Providing a wireless access point for Smart Agents to communicate meter-reads, the concentrator supports:

- Thousands of Smart Agents
- Local data logging
- WAN Modem options:
  - GPRS/UMTS data link
  - Satellite modem
  - Powerline modem (PLC)
- Bi-directional communication
- Time-stamped encryption

One solution to remotely collect electricity-meter data, identify power theft and remotely disconnect household power from the main grid

#### iLocate Middleware Server

Centralized server architecture to:

- Automatically collect data from multiple concentrators
- Business rules & Alerts engine
- Reporting & Dashboard module
- User management
- Infrastructure monitoring & remote configuration
- Data warehousing
- Interface to legacy systems





Thinking 'out-of-the-box' is what we do.  
It is how we ensure our customers' return over investment!

Contact us to learn how we can customize our solutions to fit your individual business needs



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