perspecta LABS

# SecureSmart: Secure solutions for a smarter grid

## Defend smart energy systems with integrated operations, engineering and security monitoring

Smart grids are steadily becoming a high value target for cyber adversaries, with utilities increasingly reporting daily cyberattacks. The need to protect critical infrastructure and power delivery is real. The risks and consequences of falling victim are also real. Combating this advanced, persistent threat desperately requires ground truth visibility and situational awareness.

Secure**Smart**™, an innovation from Perspecta Labs, is an integrated cybersecurity, operations and engineering solution for advanced metering infrastructure (AMI) and supervisory control and data acquisition (SCADA) systems. It provides a comprehensive continuous monitoring solution for utilities.

Secure**Smart** is the industry leading wireless field network intrusion detection and SCADA threat prevention system, providing real-time network health, anomaly detection, security analysis and visualization. Leveraging non-intrusive, scalable technology, Secure**Smart** provides ground-truth network visibility using an easy-to-deploy, independent, sensor-based architecture.

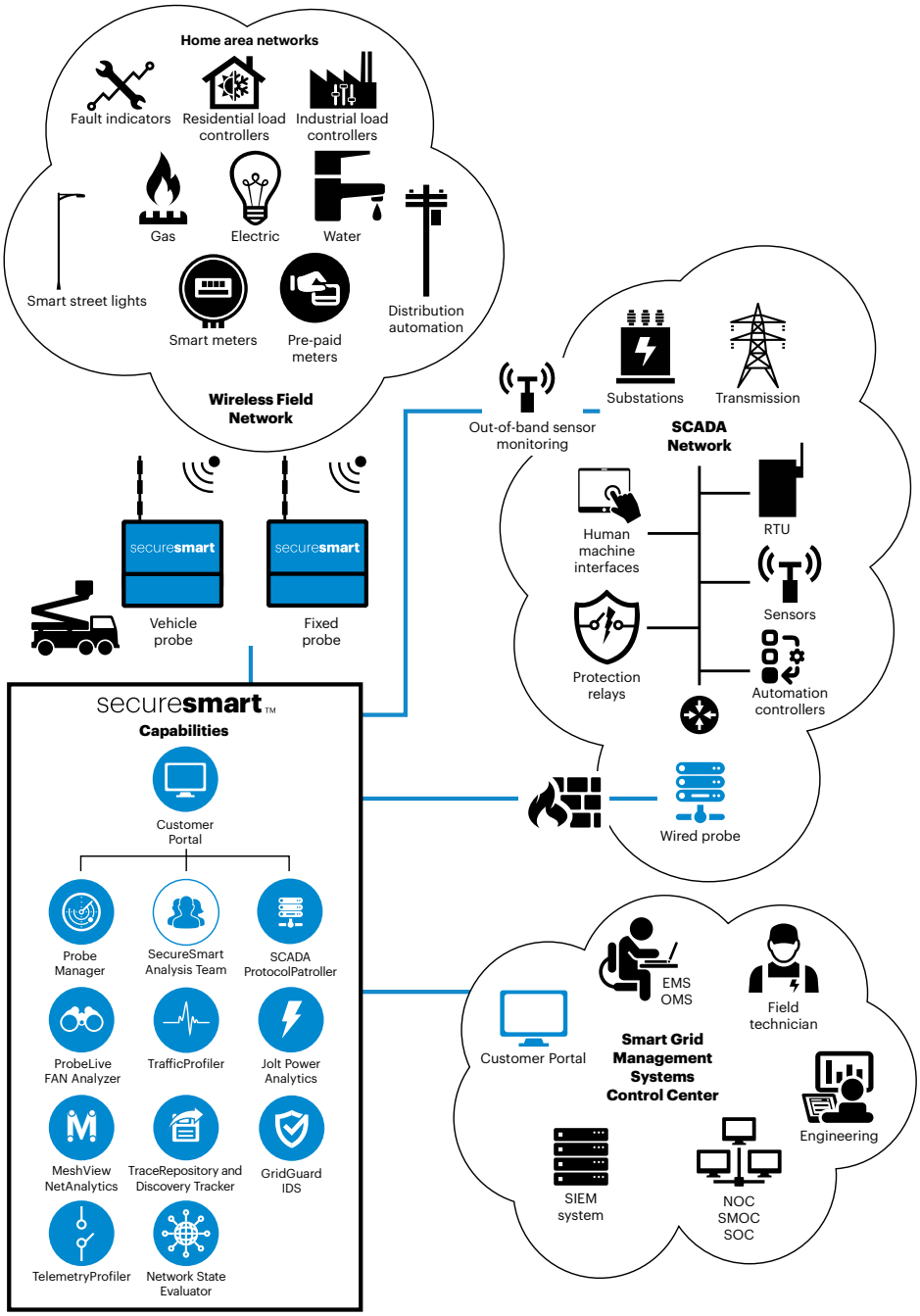
**Key SecureSmart benefits**

- Protect integrity of meter-to-cash and energy management processes
- Perform 24/7 monitoring, with actionable intelligence
- Provide service assurance in a multi-application smart grid and help improve Customer Average Interruption Duration Index (CAIDI) and System Average Interruption Duration Index (SAIDI) metrics
- Continuously validate wireless cybersecurity controls
- Troubleshoot and tune field network performance with enriched field diagnostics
- Out-of-band SCADA emergency situational awareness even when EMS and protection relays have been compromised
- Improve security posture and compliance with the North American Electric Reliability Corporation

perspecta LABS

**Key SecureSmart features**

- **Deep packet inspection:** Proprietary and standards-based protocol decomposition from physical through application layers
- **Traffic profiling:** Real-time dashboard of key traffic performance indicators for AMI/DA and SCADA network health and the capability to aggregate data across multiple substations and provide drill-down to anomalous sites
- **Telemetry profiling:** Analyze SCADA data in a time series fashion based on traffic monitoring through out-of-band means
- **Network analytics and visualization:** Tools construct logical and GIS-based connectivity and routing maps provide situational awareness, actionable intelligence and continuous feedback
- **Wireless mesh and SCADA intrusion detection:** Integrated, energy specific analysis engine, parallel multimode analysis, real-world vulnerability analytics, customized triggers, processing rules, signatures and reporting rules
- **SCADA active protection:** Automated, real-time SCADA protection through stateful model-based checkers that match protocol session content against protocol behavior rules to stop intrusions before they propagate
- **Power analytics:** Smart analytics to validate real-time SCADA telemetry with circuit topology to rapidly identify misreporting, configuration errors, or infected devices and nature of attack
- **Network state evaluator:** Visualize protocol flows and "diff" changes in the network through out-of-band SCADA to provide black start situational awareness
- **Security services:** Security program assessments, vulnerability assessment/penetration testing, supply chain integrity, policy and security architecture development, threat analysis, compliance, end-to-end cybersecurity operations center management






**perspectalabs.com | info@perspectalabs.com**
150 Mount Airy Road
Basking Ridge, NJ 07920