



## ENERGY AND POWER MONITORING ANALYSIS & REPORTING



### VALUABLE INSIGHT INTO YOUR POWER NETWORK



#### Make Informed Decisions

- ▶ Improve performance by understanding the health of your electrical system.



#### Convert Data into Action

- ▶ Open, scalable architecture that connects smart devices across electrical systems
- ▶ Integration process controls for power & equipment monitoring



#### Track Key Performance Indicators

- ▶ Energy and reliability, shared energy, sustainability, and power quality metrics

### POWER MONITORING & EVALUATION SERVICE PRIORITIES

#### Energy Savings

Save 2%–4% of Power Bill.

##### Utility Verification

- Verify utility bill accuracy
- Digitalize Utility data with analysis & reporting
- Improve productivity by identifying issues that need attention
- Identify “parasite” loads that should not be taken from budgets

##### Energy Management

- Determine factors that are impacting energy spend
- Energy tracking & budgeting
- Energy metrics to benchmark efficiencies across facilities



#### Power Distribution Insights

Save 2%–5% on operation of power system with better utilization and avoidance of unnecessary equipment purchases.

##### Energy & Power Monitoring

- Remote accessibility to address issues, reducing on-site service

##### Emergency Power Supply

- Address compliance issues
- Prioritize issues that require more attention



#### Control Over Downtime/ Lost Production

Save 10% on downtime reduction with increased power.

##### Power Quality

- Address PQ issues
- Identify cause of disturbance & power sources
- Design action plans to address challenges

##### Alarm Management

- Alarm review & analysis



## ENERGY & POWER MONITORING SYSTEM (EPMS) HIGH-RETURN SERVICES

<p>Annual EPMS System Evaluation Service <b>Service #1000</b></p>	<ul style="list-style-type: none"> <li>• Recommended for all existing PME Systems experience communication issues</li> <li>• Per site charge (up to 50 devices per site)</li> <li>• May be covered under on-site troubleshooting in many Schneider Electric Digital Service Plans</li> <li>• Required for any new service subscription and recommended annually</li> </ul>
<p>EPMS System Health Monitoring <b>Service #1001</b></p>	<ul style="list-style-type: none"> <li>• Required for Analysis &amp; Reporting Services (#1002, #1003, #1005, #1008)</li> <li>• Weekly reports per site &amp; includes quarterly progress reports</li> <li>• Requires EPMS Status Evaluation (Service #1000)</li> <li>• Smaller sites can be combined up to 50 devices</li> </ul>
<p>Energy Management (EM) Analysis &amp; Reporting Service <b>Service #1002</b></p>	<ul style="list-style-type: none"> <li>• Insights into energy consumption &amp; energy efficiency</li> <li>• Available monthly and quarterly per site for all electrical service mains</li> <li>• Requires weekly EPMS comms monitoring service (Service #1001)</li> </ul>
<p>Power Quality (PQ) Analysis &amp; Reporting <b>Service #1003</b></p>	<ul style="list-style-type: none"> <li>• Insights into power quality impacts &amp; vulnerabilities</li> <li>• Available monthly and quarterly per site for all electrical service mains</li> <li>• Requires weekly EPMS comms monitoring service (Service #1001)</li> </ul>
<p>Critical Power Generator EPSS Test Report Analysis <b>Service #1005</b></p>	<ul style="list-style-type: none"> <li>• Professional review of PME generated monthly EPSS test reports</li> <li>• Monthly reporting reviews per site for individual EPSS</li> <li>• Quarterly reporting per site for individual EPSS</li> <li>• Requires weekly EPMS comms monitoring service (Service #1001)</li> <li>• Multiple EPSS per site requires separate subscriptions</li> </ul>
<p>One-Time Power Quality Analysis Service <b>Service #1006</b></p>	<ul style="list-style-type: none"> <li>• One time PQ event analysis</li> <li>• On-site PQ surveys - quoted based on SOW</li> <li>• PQ meters required on effected circuits for this service</li> <li>• Annual EPMS System Evaluation (Service #1000) recommended</li> </ul>
<p>One-Time Energy Analysis Service <b>Service #1007</b></p>	<ul style="list-style-type: none"> <li>• Energy analysis &amp; on-site services offered per site</li> <li>• One-time charge - Energy bill verification per power utility service over past 12 months</li> <li>• One-time charge - Demand profile reports for 90-day periods *10 meters per report</li> <li>• On-site energy surveys - quoted based on SOW</li> </ul>
<p>PME Alarm Review &amp; Analysis <b>Service #1008</b></p>	<ul style="list-style-type: none"> <li>• Professional review of PME alarms from meters &amp; software</li> <li>• Available both weekly &amp; monthly reports per site</li> <li>• Requires weekly EPMS comms monitoring service (Service #1001)</li> <li>• Multiple EPSS per site requires separate subscriptions</li> </ul>

