



# Statement of Work

# StruxureWare™ Energy Efficiency Configuration

Installation Service

Service

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## 1.0 Executive Summary

The StruxureWare™ Energy Efficiency Configuration service unlocks the ability for calculating the Power Usage Effectiveness (PUE) within the StruxureWare Energy Efficiency on StruxureWare Central application. This service is for customers that would like a dashboard view of their PUE at a sub-system level and have a fully configured StruxureWare Central, along with StruxureWare Operations, and outputs from the Energy Assessment.

One on-site Schneider Electric Certified Engineer will register the application license key and configure the StruxureWare Energy Efficiency module with the required elements to ensure an accurate representation of the power utilization is available at one location. This service has mandatory prerequisites that are outlined below. Each of the prerequisites must be fulfilled in order for this service to provide actionable data.

Contact a Schneider Electric sales representative for more information on services designed to manage the data center from installation and configuration, to training and software maintenance, as well as customizable services that meet unique software integration or enhancement needs.

## 2.0 Features & Benefits

Features	Benefits
Energy Efficiency Configuration	Provides accurate representation of the power utilization to the sub-system level
Dashboard validation	Ensure the PUE represented on the dashboard is as configured
Ease of access to PUE	A customized, fast, and reliable implementation that enables you to observe your energy efficiency of your data center
Professional expertise	Ensures quality by using only Schneider Electric Certified Engineers with several years of industry experience.

For information about the energy efficiency concepts, such as Power Usage Effectiveness (PUE), go to: [The Green Grid](#) and read the APC by Schneider Electric [White Papers](#) or contact you sales representative.

- WP-157: Selecting an Industry-Standard Metric for Data Center Efficiency
- WP-154: Electrical Efficiency Measurement for Data Centers
- WP-114: Implementing Energy Efficient Data Centers
- WP-113: Electrical Efficiency Modeling for Data Centers

### 3.0 Details of Service

The specific activities of this service are listed below. For each item, Schneider Electric will perform the work described.

Name of Configuration	
Activities	Description
License registration	The Certified Schneider Electric Engineer will install and register Energy Efficiency licenses
Create Energy Efficiency system	The Energy Efficiency system will be built to match the data center
Configure Power Dependencies for supporting infrastructure	A model of the power dependencies between the supporting infrastructure outside the data center space will be created, such as switch gear, cooling tower and etc.
Script creation	Create script to collect data from specified meters to calculate load
Collect data from 3 <sup>rd</sup> . party systems	Create scripts that enable Energy Efficiency to collect data from other systems.
Configure Power & Cooling Sub-systems	Within the Energy System the Power & Cooling sub-systems will be configured
Validate Energy Efficiency Dashboard	The dashboard will be launched and the configuration will be verified

### 4.0 Assumptions

The successful performance of the activities defined is based on the following key assumptions:

- Schneider Electric will perform all services during the Schneider Electric business hours at one customer location (Monday through Friday from 8:00 AM to 5:00 PM weekly, local time).
- The scheduled on-site work time will be discussed and approved between Schneider Electric and the customer.
- The customer will ensure that all Schneider Electric, NetBotz, and third-party devices are installed and can be connected to the Schneider Electric private LAN network.
- The customer will ensure that all cable runs between rooms and/or floors are run prior to arrival.
- The customer should have an up to date One-Line Diagram for both power and cooling equipment
- Meters should be installed prior to configuration of Energy Efficiency configuration.
- The customer will be present during the configuration to answer questions about the Energy System
- The Customer will ensure that all required work has been completed prior to this service being performed including, placement of meters, network connection to meters, and 3<sup>rd</sup>. party monitoring system
- Installation and configuration will be performed on one (1) physical location.
- StruxureWare Operations is installed on the StruxureWare Central and power dependencies between the UPS and main PDU's has been configured.

Additional services are offered as a natural expansion to this Statement of Work:

- Project management
- Firmware upgrades
- Configuration the customers network for the use of the application
- Installation or configuration of StruxureWare Central, or StruxureWare Operations

## 5.0 Deliverables

Configuration deliverables to include:

- Schneider Electric will arrange a pre-assessment phone meeting.
- Schneider Electric will meet with the customer on the morning of the service to review the deliverables.
- Schneider Electric will register and activate all purchased license keys.
- Schneider Electric will install the desktop client on two laptops or workstations.

## 6.0 Exclusions

The following items are outside the scope of this service offering. They can be provided through an alternative Schneider Electric service. Please contact a Schneider Electric sales representative for further details.

- Project management
- Firmware upgrades
- Configuration of the customers network for the use of the application
- Configure StruxureWare Operations
- Configuration of Power dependencies for Rack PDU's in the data center.
- Training in StruxureWare Central or other software products.
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- Configuration of any 3<sup>rd</sup>. party products.

Installation of Meters.

## 7.0 Scope of Responsibility

The items stated here are responsibilities of both Schneider Electric and the customer.

### 7.1 SCHNEIDER ELECTRIC RESPONSIBILITIES

- Schedule qualified engineer to perform service.
- Manage and coordinate scheduling of StruxureWare Energy Efficiency Configuration service
- Ensure installation is performed to manufacturer specifications.
- Configure of StruxureWare Energy Efficiency Configuration application
- Identify and document open Schneider Electric and/or customer issues.
- Provide a point of contact at the completion of service

## 7.2 CUSTOMER RESPONSIBILITIES

- Identify dates and times when the StruxureWare Energy Efficiency Configuration Service can be conducted.
- Provide one line diagram with meter placement for both power and cooling. Provide data about any 3<sup>rd</sup>. party systems Energy Efficiency should collect data from. This information should be provided when ordering.
- Schedule the attendance of minimum one person for the duration of the service that will interact with the 3<sup>rd</sup>. party system Energy Efficiency should collect data from
- Schedule the attendance of minimum one person for the duration of the service that will interact with the StruxureWare Energy Efficiency application on a regular basis.
- Indicate to Schneider Electric any security clearance requirements when ordering service.
- Provide a point of contact during time of service.
- Provide access to the data center
- Provide Schneider Electric with site-specific policies that need to be adhered to during the visit.
- Provide Schneider Electric with the necessary information about the power setup in the data center.

## 8.0 Project Work Details

The following details of the project specify the schedule, location and successful completion criteria.

### 8.1 SCHEDULE

Actual set dates will be discussed and approved between Schneider Electric and the customer.

### 8.2 LOCATION

The configuration service will be performed on-site at the location indicated to Schneider Electric by the customer by the time of ordering the service.

### 8.3 COMPLETION CRITERIA

Schneider Electric is expected to have finished its written duties when any of the following occurs:

1. Schneider Electric completes all the tasks described in the Details of Service of this Statement of Work.
2. This service and Statement of Work are terminated for other reasons, within the Schneider Electric Customer Agreement.

## 9.0 Pricing

The StruxureWare Energy Efficiency Configuration Service ( WNSCENEFF ) is a standard fixed-fee service. Service covers one on-site visit for up to five (5) business days at one location, discounts are not applicable. Off hour service is available upon request. Contact your Schneider Electric sales representative for further details.

Pricing for this service is available on [www.apc.com](http://www.apc.com).

## 10.0 Terms and Conditions

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