Export Control Project Process

Here is a quick process breakdown for what using a Sponge EMC for an Export Control Project looks like:

1. Installer Purchase Order
    a. Request Sponge EMC + Sponge Zero Export Commissioning as part of your Frankensolar Purchase Order.
    b. Additional components of the Zero Export Control system (Energy Meter & CTs) are selected by you - the installer. Speak to your Frankensolar rep about the best options for your project.
        i. If you are uncertain about what components you need for your Zero Export System, Sponge can carry out Step (2) in advance of your PO.
    c. In your PO, be sure to include:
        i. Your 'Ship To:' Address
        ii. Estimated Date of Installation

2. Sponge Export Control Project Consultation
    a. Send your project's SLD to Sponge (info@sponge.to)
    b. Sponge will carry out a rapid design consultation, and mark up the SLD with the following:
        i. System Component Requirements
            1. (Sponge EMC + Sponge Zero Export Commissioning + Energy Meter + CTs)
        ii. Communication Design Plan
            1. (TCP vs RTU)
    c. The Sponge team may reach out to you if they have any questions about your system design.
    d. Sponge will send the results of the design consultation with you.

1.1 If you would like to examine how adding a battery to your Zero Export Project could increase DC sizing and improve project economics you can reach out to Sponge to help you conduct a Zero Export Control Battery Optimization analysis.

3. Hardware Installation
    a. Installer manages hardware installation. Installation Instructions will be emailed to you and provided in the Sponge EMC box.
    b. Summary of Installation Steps:
        i. Mount EMC at specified location
        ii. Connect to power/ethernet/inverters/meters
        iii. Confirm internet connection
        iv. Notify Sponge Team your device is ready for remote white glove commissioning

4. Sponge Manages Final Commissioning
    a. Confirm all communications channels are functional
    b. Configure digital SLD
    c. Monitor and adjust control coefficients to optimize performance
    d. Final confirmation of system conformance to utility standard at End of Week 2

You can learn more about the Zero Export Control product on the Frankensolar Website here.