



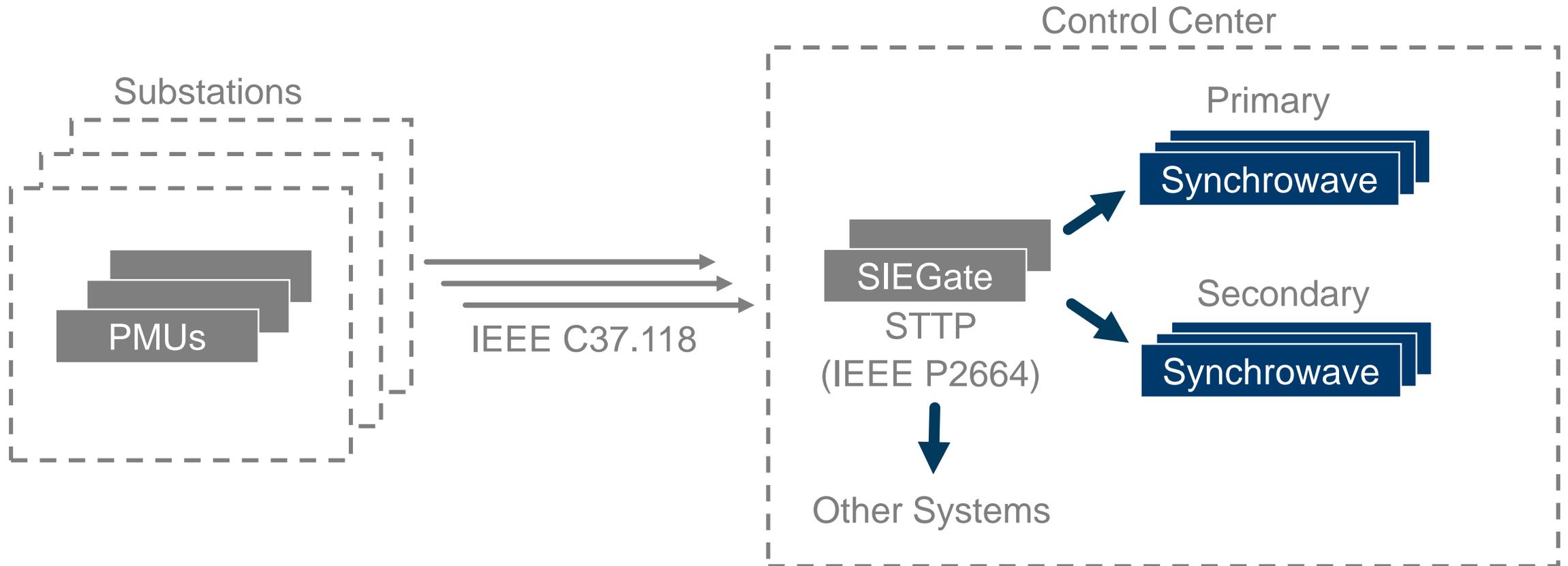
# STTP and Synchrowave at SDG&E

**Tariq Rahman**  
San Diego Gas & Electric®

**Dan Brancaccio**  
Quanta

**Jared Bestebreur**  
Schweitzer Engineering Laboratories, Inc.

# High-Level Communication Architecture



# Advantages of STTP at SDG&E

- Automatic publishing, new PMUs added in the field are automatically available to the control center applications
- Data diode, Connections from more secure to less secure zones are handled through reverse connection supported by SIEGate using STTP
- Signal filtering, PMUs and Signals can be selected or deselected from certain destinations based on wildcard string selection



System



Apps

Add Application

● Running

🔄 Restart App

🗑 Remove App

🟢 Enabled

## STTP Reader

## Configuration Files ▾

File Name	Version	Query & Download
📄 Connections.csv	📅 10/13/2022 12:16:38	
📄 SignalMappings.csv	📅 10/13/2022 12:16:38	📄

Drag files here to start uploading

OR

[Browse Files](#)

## Diagnostics ^

# STTP Integration with Synchrowave

Status ⓘ	Application Name	App. Version
●	Data Table	2.0.0.14
●	Device Events	2.0.0.16
●	Dial	2.0.0.14
●	Disturbance Detector	2.0.0.14
●	Esri Map	2.0.0.16
●	Frequency Monitor	2.0.0.14
●	Generation Trip Locator	2.0.0.14
●	Histogram	2.0.0.16
●	Historian	2.0.0.16
●	Instrument Transformer Monitor	2.0.0.14
●	Modal Analysis	2.0.0.14
●	Notifications	2.0.0.16
●	One-Line Diagram	2.0.0.16
●	Operations	2.0.0.16
●	OSI PI Reader	2.0.0.16
●	Panels	2.0.0.14
●	Phase Angle Monitor	2.0.0.14
●	Platform Services	2.0.0.16
●	Playback	2.0.0.16
●	Power Monitor	2.0.0.14
●	Power System Model	2.0.0.14
●	Resource Monitor	2.0.0.16
●	Search	2.0.0.14
●	Sequence Calculator	2.0.0.14
●	Signal Monitor	2.0.0.14
●	Signals	2.0.0.16
●	<b>STTP Reader</b>	<b>2.0.0.14</b>
●	Swave Server	2.0.0.16
●	Synchrowave Event Express	2.0.0.3
●	System Manager	2.0.0.16
●	Timeline	2.0.0.14
●	Voltage Monitor	2.0.0.14
●	Web Gateway	2.0.0.16
●	XY Chart	2.0.0.14



# Questions?