

A man in a light-colored suit jacket stands on the left, gesturing with his right hand towards a large wall display. The display shows a complex power system diagram with various colored lines (green, blue, red) and nodes. In the foreground, another man sits in a black office chair, looking up at the wall display. He is wearing a dark blue polo shirt and light-colored trousers. The desk in front of him has several computer monitors, a keyboard, and a mouse. The background shows a control room environment with other people and equipment.

# SEL NASPI Update

Jared Bestebreur, Senior R&D Manager



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# SEL-2488

## Satellite-Synchronized Network Clock



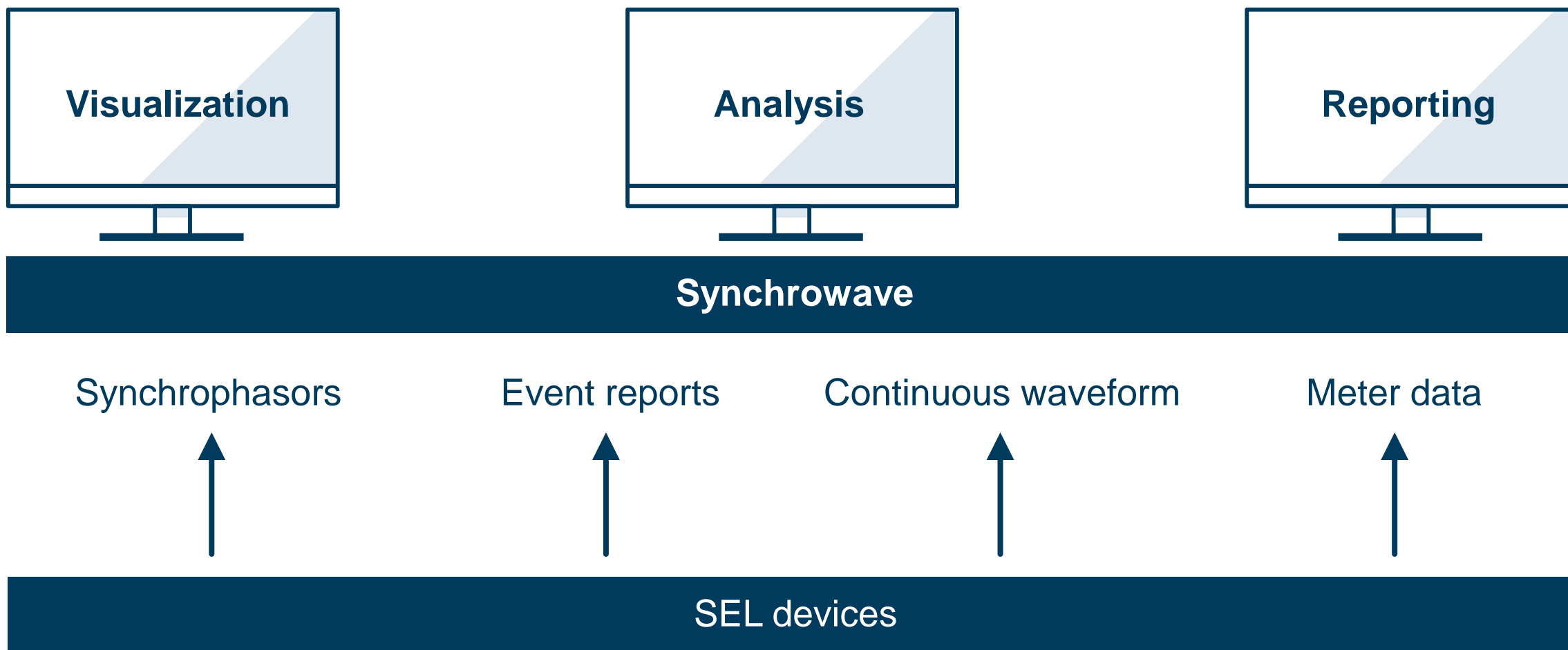
Synchronized to within  $\pm 40$  ns (GPS)  
for demanding power utility  
applications

Distribute time and frequency to a  
broad range of end devices using PTP,  
NTP, IRIG-B, 10 MHz, and PPS

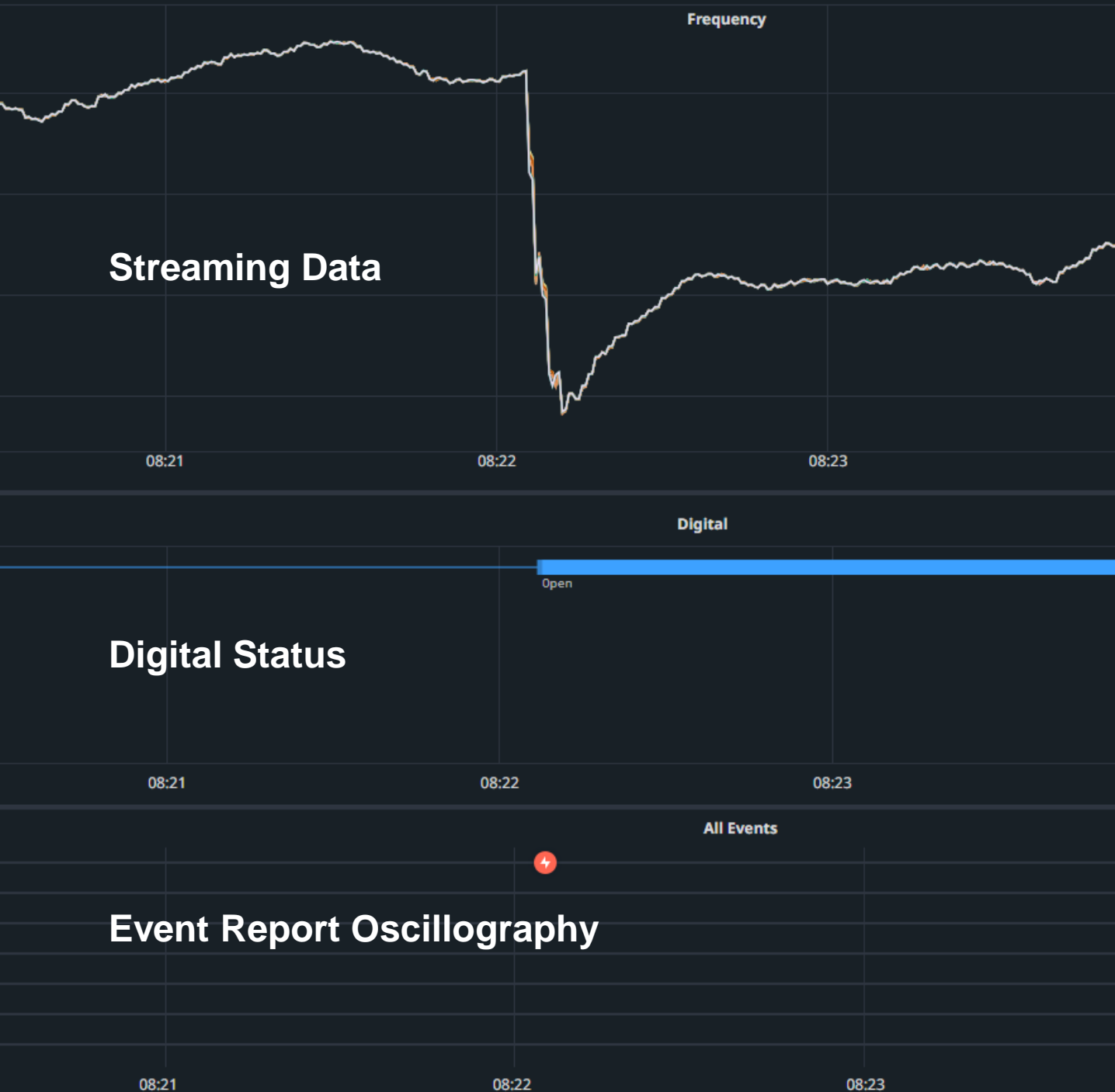
Ensure time resilience with source failover  
between GPS and PTP, high-stability  
holdover options and Satellite Signal  
Verification (SSV)

Secure your time source with syslog,  
SNMP, LDAP, and an HTTPS web  
interface

# Synchrowave software

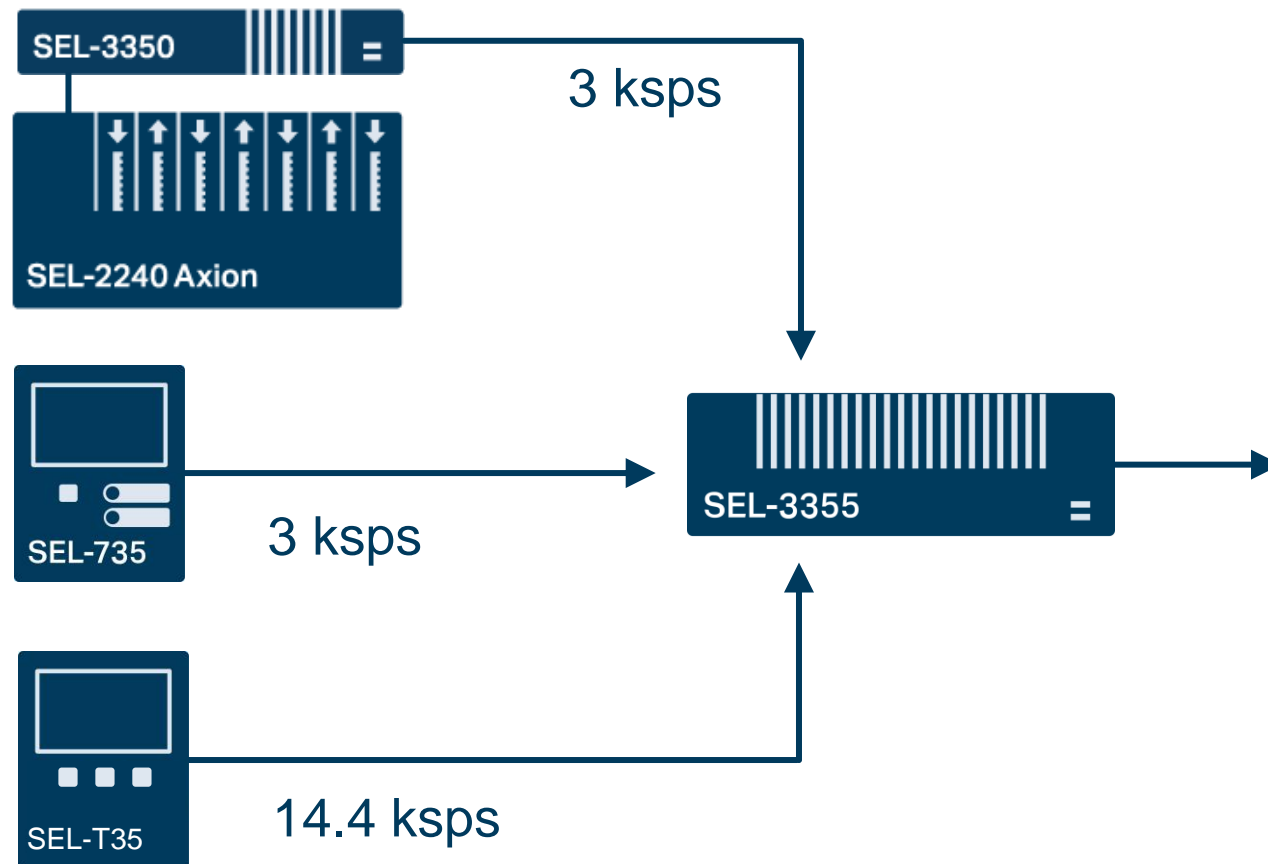






**Quickly see all  
event data together**

# Now streaming – DFRs, meters, and power monitors



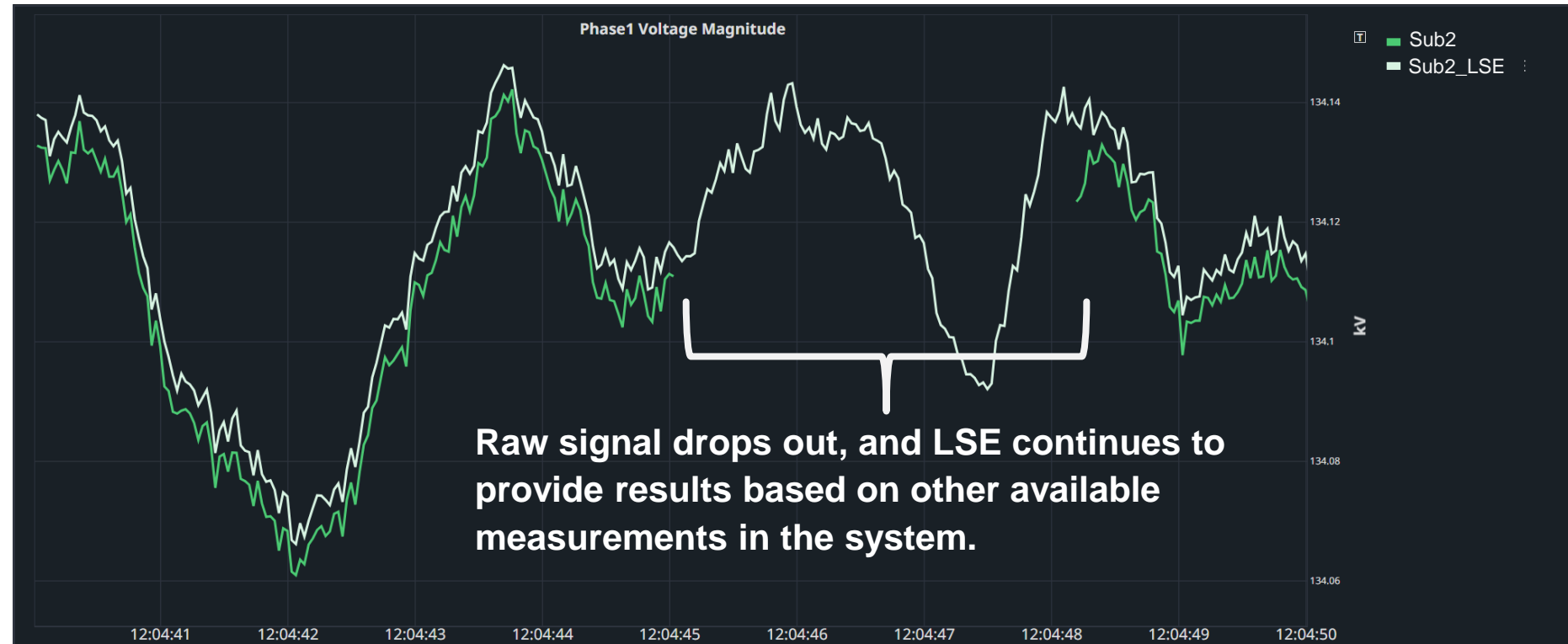
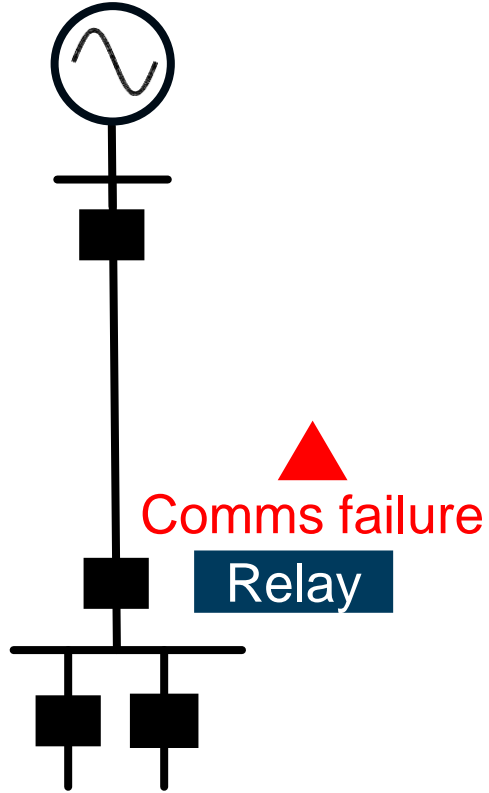
Synchrowave waveform recording



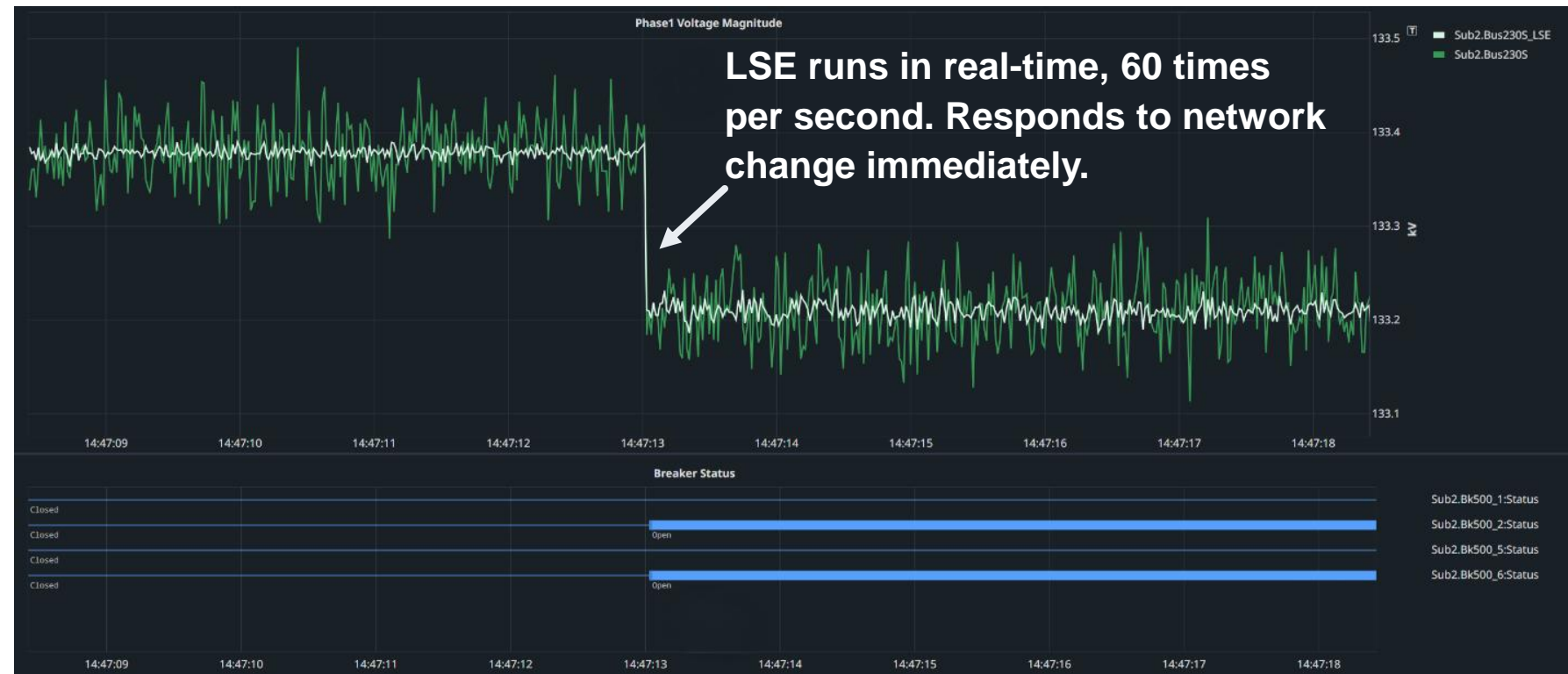
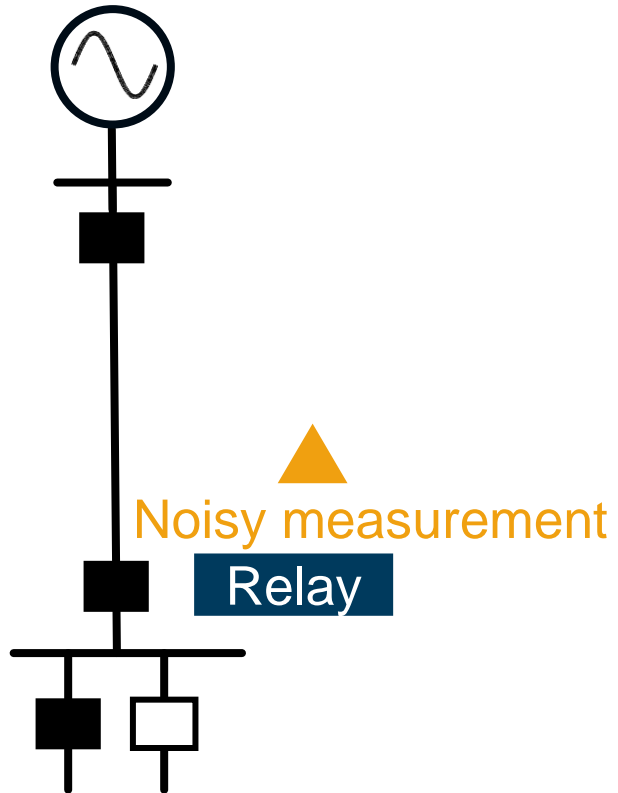
# Oscillation Detection



# Increase measurement reliability with LSE

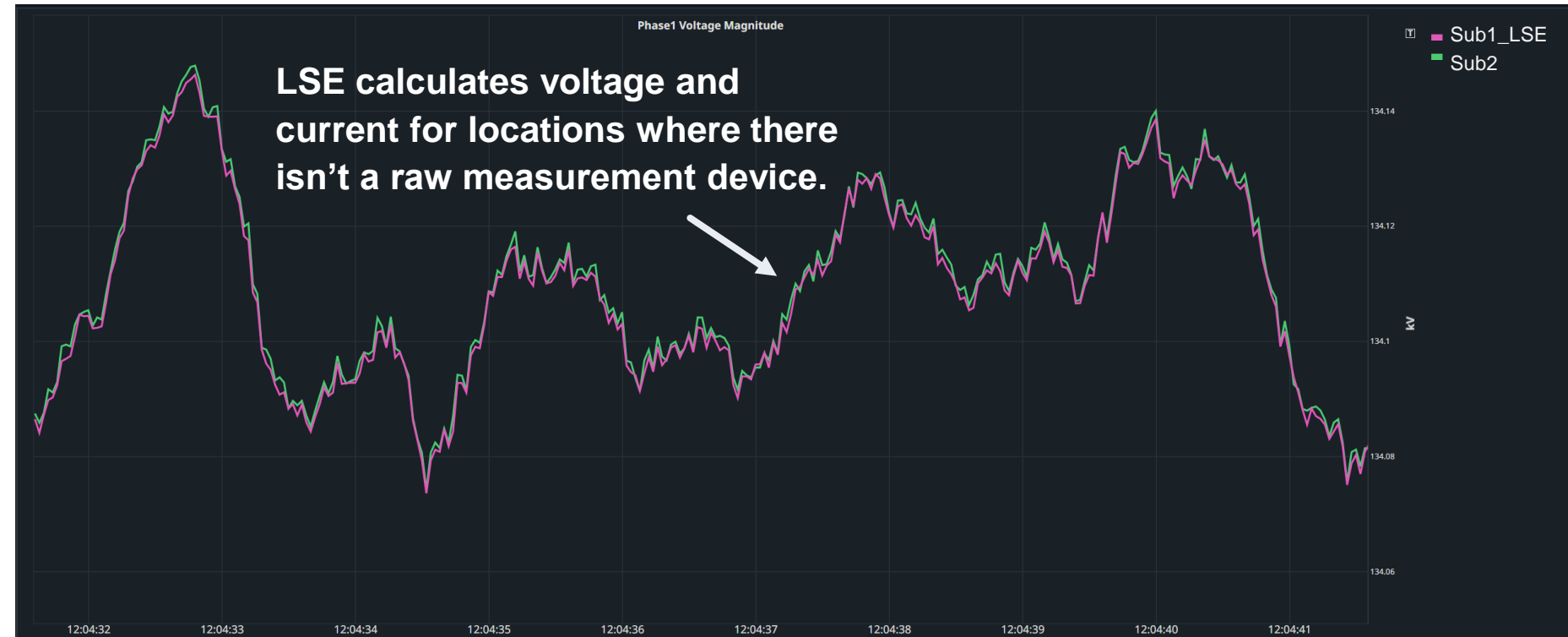
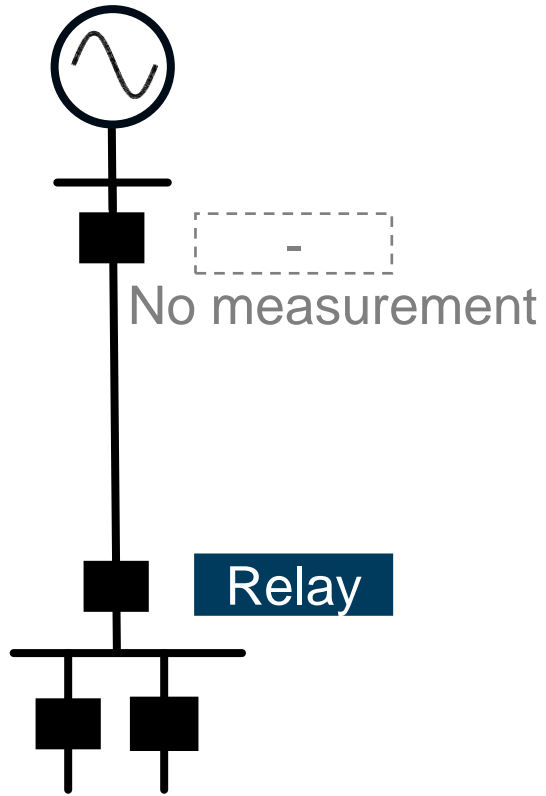


# Improve measurement accuracy with LSE





# Add measurement observability with LSE



# Thank you

