

# SUBSTATION

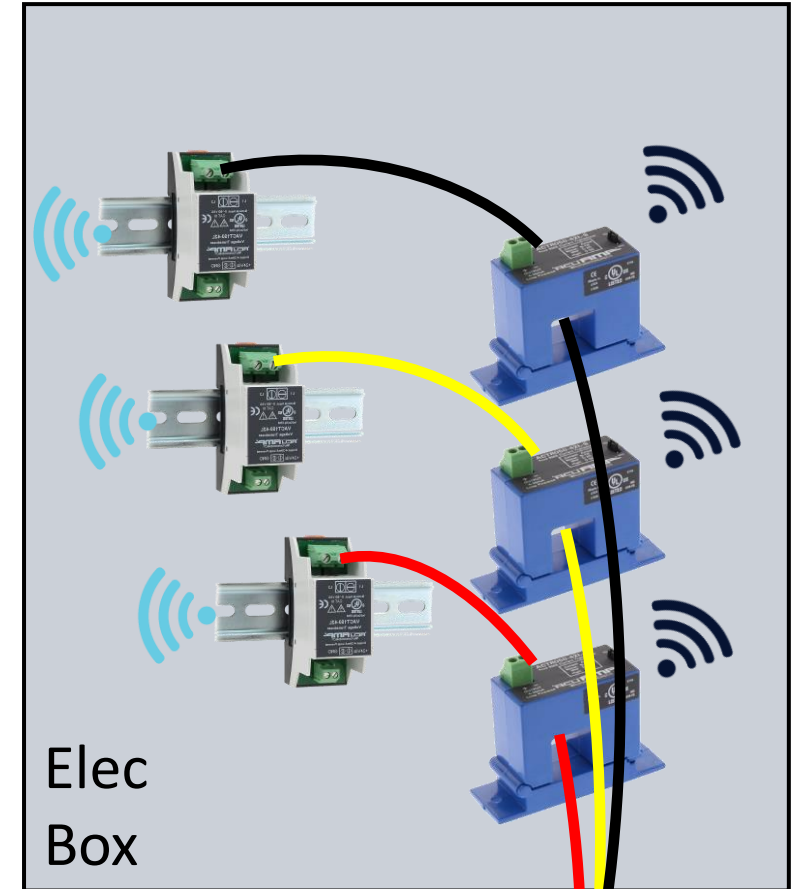
AVAILABLE TECHNOLOGY



BEST BETTER GOOD

SOLUTION	CONDITIONS DIAGNOSED
MCSA	Power consumption, amp overload or fluctuation, phase imbalance
RMS Voltage	Voltage imbalance and fluctuation
Ultrasound (acoustic)* Thermal camera* <small>*Under Development</small>	Switchgear arcing, tracking, corona

APPLICATIONS: Individual Assets, Product Lines, Plant Areas, Utilities, Entire Plant



# RMS CURRENT

## TECHNOLOGY DETAILS



## POWER CONSUMPTION

### THE SOLUTION:

Use RMS Current monitoring to detect:

- ✓ Component damage
- ✓ Flow restriction
- ✓ Filter clogging
- ✓ Intermittent friction
- ✓ Flow turbulence
- ✓ Failing lubrication
- ✓ Process variability



RMS Current sensor, KCF Analog Adapter, and KCF IoT HUB



KCF Base Station

### THE PROOF:

KCF identified a pump system running during process downtime. The customer now saves \$130K/yr by shutting pumps down during downtime.

