

Southern California Edison (SCE) is one of the nation's largest electric utilities

15 MILLION
RESIDENTS

5 MILLION
CUSTOMER
ACCOUNTS

50,000 SQUARE-MILE
SERVICE AREA

1.4 MILLION
POWER POLES

724,000
TRANSFORMERS

1,360 MW
ENERGY STORAGE
CONTRACTS

2,500 MILES OF
OVERHEAD POWER LINES
REPLACED WITH
INSULATED WIRE

118,000 MILES OF
DISTRIBUTION &
TRANSMISSION LINES

6,090
NEW FIRE-
RESISTANT POLES
ADDED



The WP&RT project demonstrates the latest advancements in hardware and software-based solutions in wildfire prevention, detection and mitigation

WP&RT utilizes **Machine Learning** (ML) in two different applications:



In a centralized application, waveform analytics aims to integrate grid data streams into ML algorithms that could **detect potential failures before they happen**



In a decentralized application, ML on edge devices could provide **faster decision making** for wildfire mitigation applications