# **Epic 3.20: Data Analytics for Predictive Maintenance**

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EPIC 3.20 is part of the Community Wildfire Safety Program Portfolio of Projects



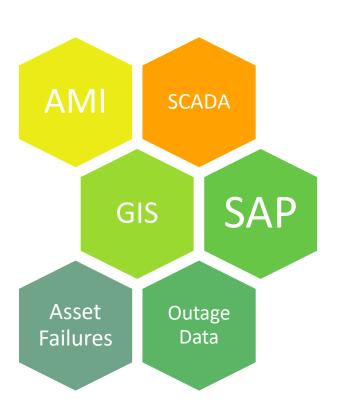


#### **EPIC 3.20 – Approach and Use Cases**

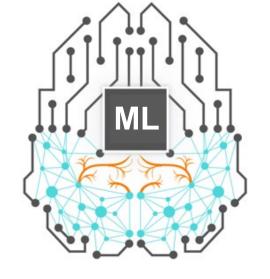
Use existing PG&E data sources

Develop predictive failure models using machine learning

For high priority failure modes









Phases 1 & 2

Dist.
Transformers

Phase 3: Outage

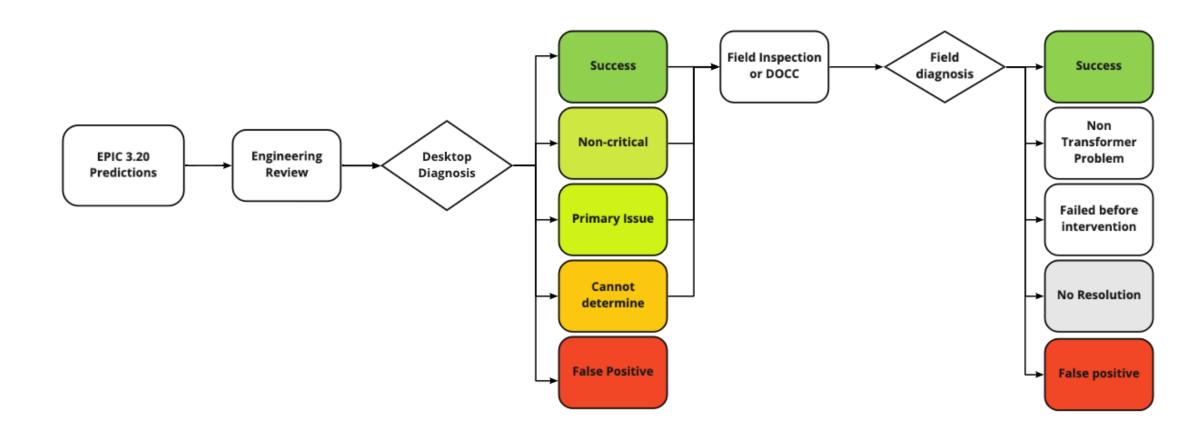
Detection







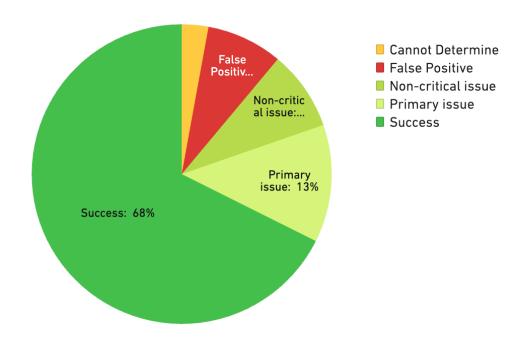
# **Assessment of predictions and Corrective Action**



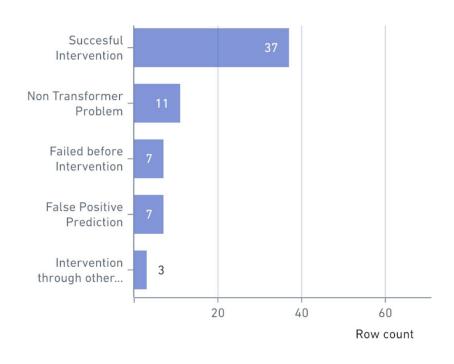
3



## **Engineering Reviews and Field Inspection Outcomes**



**Engineering Reviews** 



**Field Inspections** 

15 successful interventions in High Fire-Threat districts



## **Transformer Teardown example**

