

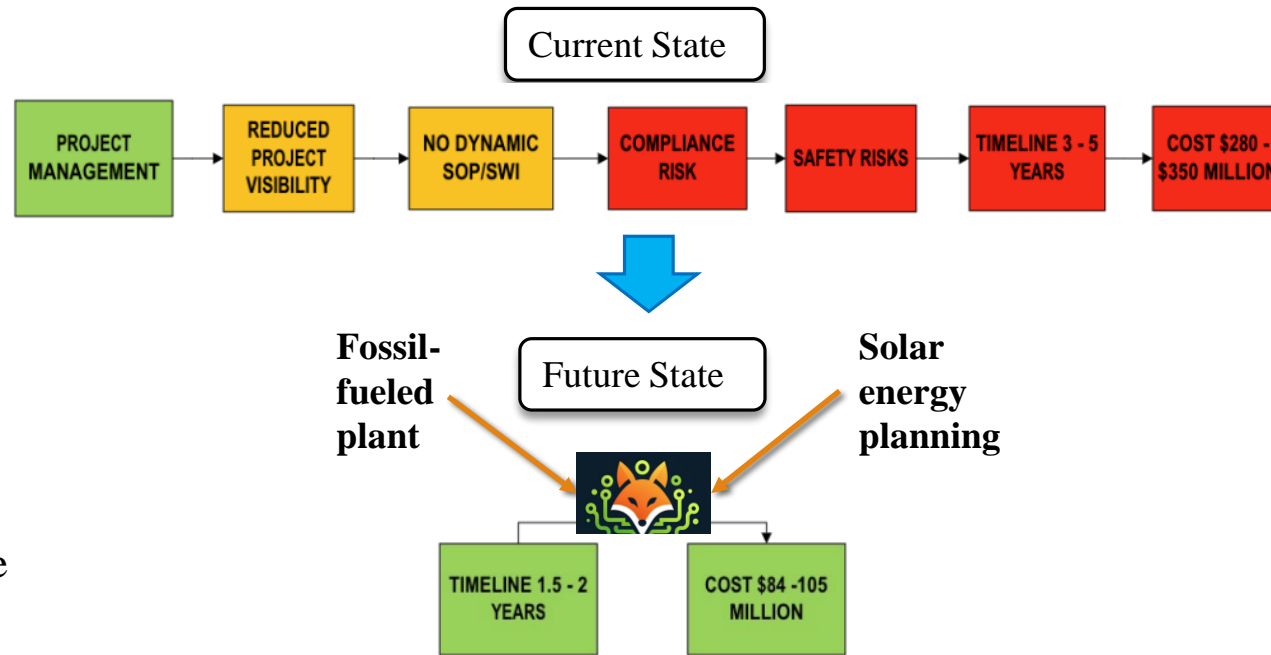
EcoFox: AI-based solar transition through decommissioning tool

Opportunity

There is an urgent need to modernize the U.S. energy infrastructure, which faces rising costs, unreliability, and environmental concerns. Fossil fuel power plants, responsible for 40% of global CO2 emissions, are under **increasing pressure to transition to renewable energy sources**, driven by regulatory mandates, consumer demand, and the falling cost of renewable technologies. Moreover, the rapid adoption of electric vehicles and the impact of extreme weather events are overburdening an already aging grid. **Traditional energy management solutions are outdated**, lacking the advanced technology necessary to address these challenges efficiently.

Proposed solution

EcoFox - an AI-enhanced energy management system that optimizes performance, integrates renewable energy, and drives efficiency through predictive maintenance and seamless adaptability.



Technology

EcoFox leverages cutting-edge technologies, including **AI algorithms and IoT sensors**, to deliver proactive energy management, lower costs, and greater sustainability. This technology addresses a critical need for modernizing energy infrastructure, positioning EcoFox as a key player in the transition to cleaner, more reliable energy systems.

Team



Ademola Fagade
(GeoPrime)



Joao Prioli
(NC A&T State University)