# Machine Learning for Digital Substations.

## Innovative Project for Efficiency

## Team: JEA Sustainable Solution Labs at UNF.

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**Issue to Address:** At the JEA Substation, occasional incidents occur as a result of rising temperatures in the transformer's oil. To manage this, they utilize relays for control and predictive maintenance. Their dedication lies in improving the performance and reliability of the system.

**Solution:** JEA Sustainable Solution Labs at UNF offers a reliable software empowered by machine learning A.I. and predictive maintenance to identify potential failures and their causes accurately.

**The Team:** James Fletcher and team from JEA Sustainable Solutions Lab, in collaboration with UNF and ETAJOULE, work on modernizing utility infrastructure. Their focus is on using machine learning to enhance load tap changer monitoring in transformers for early fault detection. The team's diverse expertise and partnerships drive innovation in clean energy technologies for economic growth in Northeast Florida.

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