

Grid Monitor App

- Stores wind turbine metrics
- Checks for broken turbines
- Dispatches engineer to fix broken turbines

Streamlit App

- Front end for the entire application that allows users to click a button to monitor wind turbine metrics

WindTurbine

- Produces turbine metrics at some frequency
- Breaks at some frequency, still emitting metrics
 - Receives requests for turbine repairs
- Repairs broken turbines by setting operational status to "ok"

Docker

- Build Docker images for the grid monitor app and the wind turbines and tests
- 3 containers (Grid monitor app, wind turbines, and tests)
 - Run the images
 - View container logs
- Teardown the Docker infra

