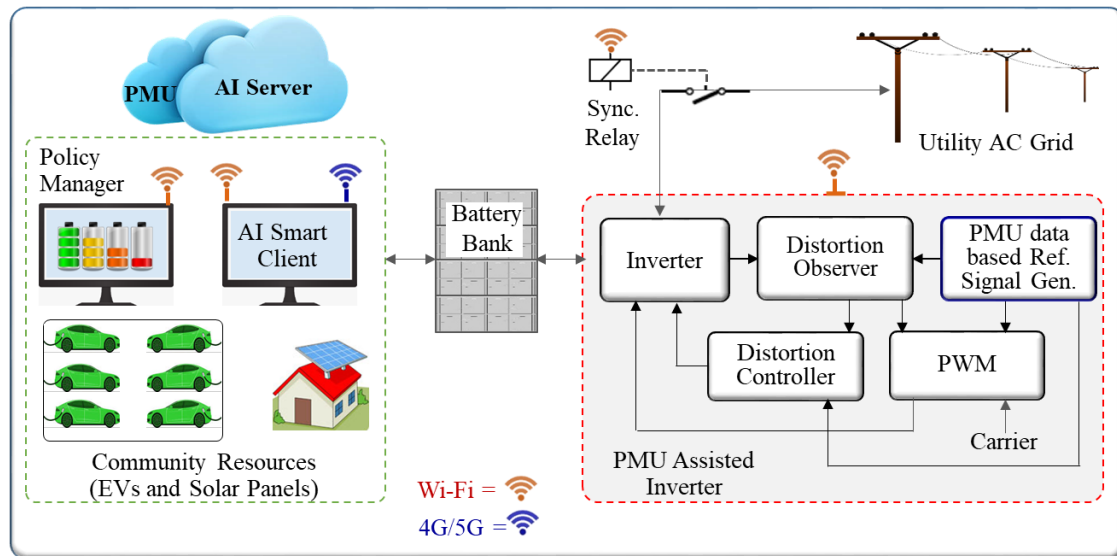




# Team IS4S – Smart Microgrids for Energy Security



- IS4S, a small business engaged in a wide variety of applied research and technology development, has teamed with two HBCUs, CAU and AAMU, and two minority- and woman-owned businesses, Whitty Technologies and ProjectXYZ, to address energy insecurity in disadvantaged communities.
- The result will be community-centric, community-managed, or HBCU-campus managed, AI-enabled smart microgrids that include renewable energy generation and storage technologies to reduce the cost of energy, provide backup power during power outages, and mitigate climate change.



- Phase 1 activities will include:
  - Community-engaged microgrid policy development
  - Smart microgrid design trade study
  - Smart microgrid modeling and simulation
  - External project evaluation and monitoring
- Concluding in:
  - A smart microgrid design for implementing at CAU and AAMU during Phase 2 (and then expanding to surrounding community)
  - Training CAU and AAMU students in smart microgrid design, implementation and operation.

