RESOURCE ALLOCATION
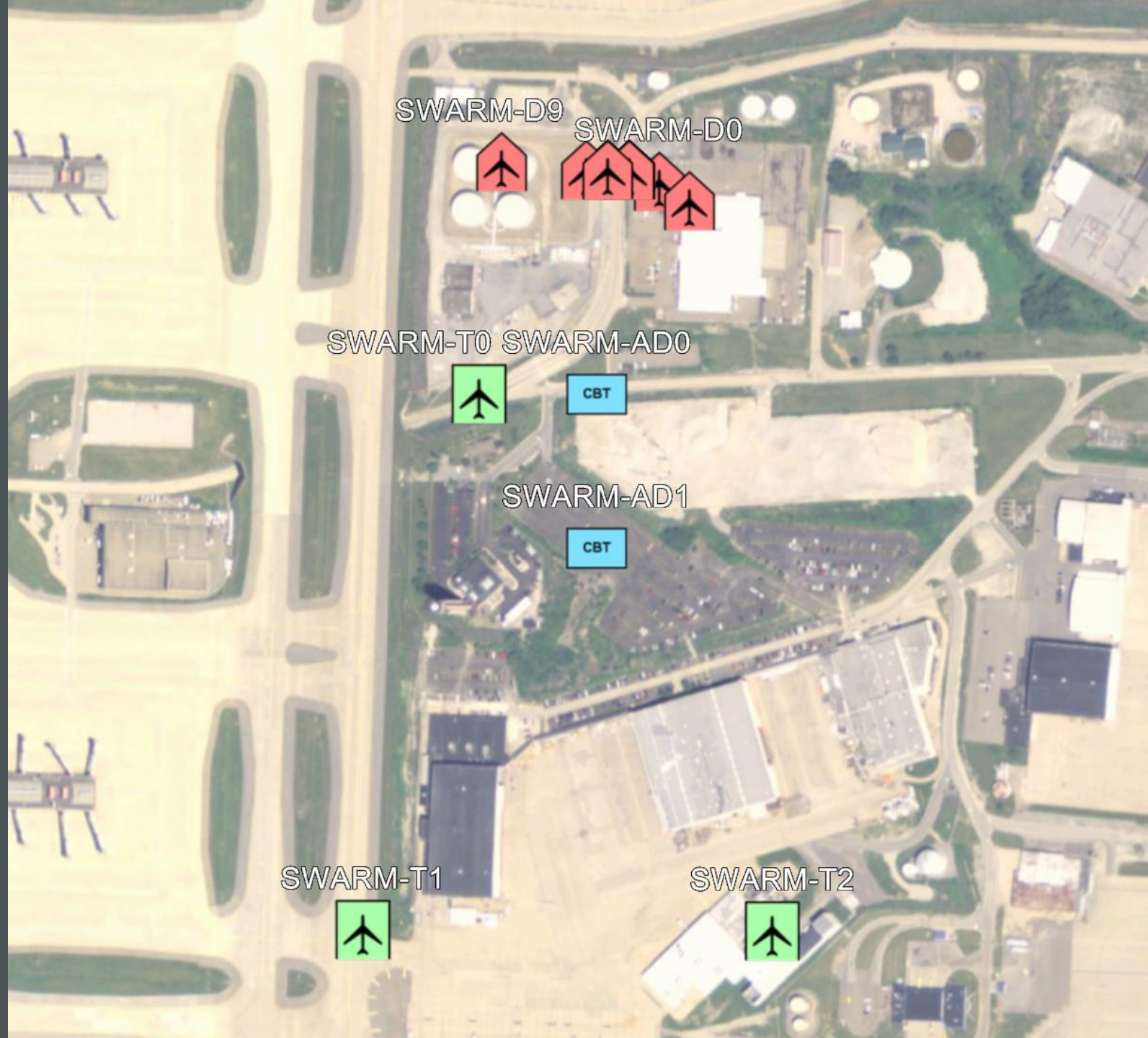
Hackathon

SETTING

- Defense against overwhelming drone attack
- Imperfect information
- Allocation of resources

ESCHER – REGRET MINIMIZATION

- Turn based Game: Attacker vs. Defender
  - 1. Defender positions air defense
  - 2. Attacker chooses targets
  - 3. Defender chooses which drones it tries to intercept
- All interactions modeled probabilistically
- Convergence to Nash Equilibrium

$$u_1(\sigma) \geq \max_{\sigma' \in \Sigma_1} u_1(\sigma_1', \sigma_2)$$