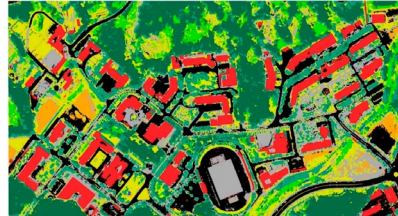




### Automatic Landing Zone

#### **Project Summary:**

Future Contested Logistics battlefields will require various resupply vehicles and domains to counter the adversary's dynamic and evolving threats. The availability and access to various resupply vehicles places an impossible training burden on the force, since no single person/office will be sufficiently trained on the performance



*ML Identified Features in a Field of View*

specifications of each air vehicle and be capable to selecting the appropriate Landing Zone or Drop Zone. Automatic Landing Zone (Auto-LZ) will aid in the selection of a LZ or DZ by presenting the user with a map-based course of action decision tool, at the point of need. The tool will identify and highlight potential LZs/DZs for use, given the performance specifications, limitations, and the flight model of the air vehicle. USTRANSCOM's global mission creates the need to engage with a diverse set of commercial and foreign partners. USTRANSCOM's global mission creates the need to engage with a diverse set of commercial and foreign partners. It is imperative that as the need to share operational information grows, that methods to ensure this is done safely are developed. Additionally, the absence of high-quality training data free of sensitive information is a roadblock in the command, efforts to obtain robust training.

#### **Benefit:**

The benefit of Auto-LZ project is that it 1) saves money by reducing DZ/LZ selection time and needed training, 2) increasing system accuracy and reliability while reducing collateral damage, and 3) it saves lives by accelerating turnaround time of emergency resupply filled with critical supplies.

**Duration of project:** FY24 – FY26

**Participants:** USMC, DEVCOM SC – STTC, NGA

**Project advocacy (funding or otherwise):** DEVCOM - SC