

## UAV

*Project  
Management*



*Systems  
Engineering*



*Mechanical  
Engineering*



*Electrical  
Engineering*



*Software  
Engineering*



*Quality  
Assurance*



# ENGINEERING SUPPORT FOR NEXT-GENERATION DATA COLLECTION HARDWARE AND SOFTWARE

## APPROACH

- Adapt product development process for use in client's environment and harmonization with existing infrastructure
- Collect top-level technical and user requirements and decompose into system- and subsystem-level requirements
- Develop novel solutions with client buy-in and regular design and process reviews

## RESULTS

- Established Agile hardware and software development processes
- Designed, integrated into production, and supported field deployment of new data collection hardware—including ruggedization for operation in inclement weather
- Developed, tested, and supported field deployment of new UI to streamline data collection setup and results ingress

## KEY TECHNOLOGIES

- Confluence, Jira
- Python
- CATIA