To develop an agile, lightweight, affordable series of drones that can navigate and assess both vertical and horizontal interior mechanical systems ductwork. The results of the assessment would be a point cloud/3D digital twin of the ductwork which would be housed in SaaS-based technology for access, analytics, and reporting on potential remediation strategies.

The benefits of the assembled data for remediation include energy savings, human resource cost reduction, improved worker safety and long term increased operational efficiencies.

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This team is geographically diverse and has team members in Arizona

and North Carolina with support from DJI and Intel REAL Sense.

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