UTC PROJECT INFORMATION SHEET

UTC Project Information – Project C20.2020	
Project Title	Advanced Sensing Technologies for Practical UAV-Based Condition Assessment
University	Univ. of Vermont, UMass Lowell, UMaine
Principal Investigator	Dryver Huston
PI Contact Information	Dryver.Huston@uvm.edu
Co-PI(s)	Tzuyang Yu and Eric Landis
Co-PI Contact Information	Tzuyang_Yu@uml.edu, landis@maine.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	TIDC: $398,831 UVM: $192,000 UML: $192,492 UM: $20,034 VHB: $45,000
Total Project Cost	$848,357
Agency ID or Contract Number	
Start and End Dates	4/1/2021 – 9/30/2023
Brief Description of Research Project	The project will expand the capability of unmanned aerial vehicle (UAVs) structural inspection systems to enable rapid, low cost, high fidelity measurements of condition for improved facilities management and improved public safety.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	   UAV with protective cage (left), microwave sensor (center) and acoustic test arm with portable electronics (right)
Impacts/Benefits of Implementation (actual, not anticipated)	None yet
Web Links • Reports • Project website	None yet