Zach Shuman is an Aviation Practice Leader at Woolpert who supports research, design, and operational efforts for FAA, DOTs, and airports, including AAM and UAS integrations, vertiport design, and planning. Zach led the development of the new vertiport design advisory circular and regularly consults on planning for aviation. He participates in operational efforts including mission planning, execution and briefing, ground crew resource management, and safety measures. Zach ensures compliance with service guidance, company policy and procedures, and FAA regulations. Additionally, he develops and verifies procedures for use with new aircraft features and participates in the development of operational and safety procedures and training for multiple emerging technologies. He has increased Woolpert's AAM and vertiport capabilities as a data collection firm and industry-leading consultant. Zach also volunteers on an FAA-funded National Safe Skies Alliance airport safety board and regularly speaks at national conferences on new technology implementation and safety.