

Jacobs' Team Experience – U.S. Technology Aerospace Engineering

Robotic Aerial Work Platform

U.S. Technology Aerospace Engineering developed a robotic aerial work platform (AMP) used for aircraft maintenance. Their work in this area was supported by their previous experience in designing, developing, testing and maintaining aircraft depainting support equipment such as the AMP, transport carts for aircraft parts and paint systems. U.S. Technology also specializes in coatings removal and recycling. The AMP Robotic Work Platform is used for semi-automated aircraft depaint, masking inspection, paint, wash and other maintenance operations. The unit is based on a Stewart platform and provides a stable work platform capable of precise movement in three dimensions while supporting a significant load. It is an alternative to overhead cranes or boom lifts.