

Centennial Airport Authority 2014

Project Overview:

CompassData was awarded the task of designing, creating and delivering an AMDB from beginning to finish. The Centennial Airport Authority had just made modifications to one of its runways and needed their GIS to reflect those changes. Using DO200A certified standards, CompassData collected ground control in and around the airport. These ground control points were used to generate new, highly accurate, 3-inch resolution, orthorectified imagery. That imagery was then used to create a new AMDB that has been verified and validated with ground control.



Summary of Work:

CompassData's delivery of a new AMDB to Centennial Airport improved their existing GIS dataset by creating a highly accurate data set reflecting the changes recently made to an existing runway. This updated GIS ensures that the data is available for use across the organization, allowing for easier planning, management and maintenance of the airport and its facilities.

CompassData coordinated the acquisition of the 3" resolution aerial imagery for this project. CDI then collected the ground control survey used to improve the spatial accuracy of the final ortho product. CDI also conducted the image block adjustment, created the auto correlated DEM and produced the spatially accurate orthorectified imagery used to digitize the AMDB. The accuracy of the orthorectified imagery was verified using our FAA DO-200 certified processes.



Sample of Centennial Airport project orthorectified imagery.