Abstract: This paper deals with the contribution of the Institute of Photogrammetry and Remote Sensing at Vienna University of Technology to an international test which was initiated by the OEEPE in order to investigate the applicability of digital methods for aerial triangulation. A test project provided by the OEEPE was worked out using software developed at the institute. The results of digital aerial triangulation turned out to be comparable to the results of analytical photogrammetry with respect to accuracy and speed.