Digitalized Wall

By Weiguo Li

3Dtotal (www.3dtotal.pt) is a laser scanning service company in Portugal. In this architecture digitalizing project, they used RhinoResurf to post-process the scanned data. They created NURBS surface from the scanned point cloud with the precision of maximum tolerance = 0.01cm by using RsPoints2Surf command in RhinoResurf, after texture mapping, they got a real 3D wall.

1. The picture of the wall
2. The scanned data of the wall

3. NURBS surfaces created from the scanned point data (RsPoint2Surf)
4. The textured wall based on NURBS surface