

Maintenance Hole Scanning for Corrosion Evaluation and Rehab Quality Assessment

3D Scanning is a new technology in the sewer industry. Currently, "3D" video and measurement is available but the point cloud of those systems meant that manholes can only be measured from one point to another for distance. With 3D scanning technology, manholes can now be documented in true 3D which creates a mesh instead of a point cloud. The mesh can be used to document the structural change of a manhole before and after rehabilitation (cured-in-place lining or coating).

This session will review existing technologies and their benefits and compare them to 3D scanning to understand how manhole rehabilitation has not been included as part of the "manhole condition assessment" services which contractors provide. Case studies will also be presented from UAE and Australian projects.