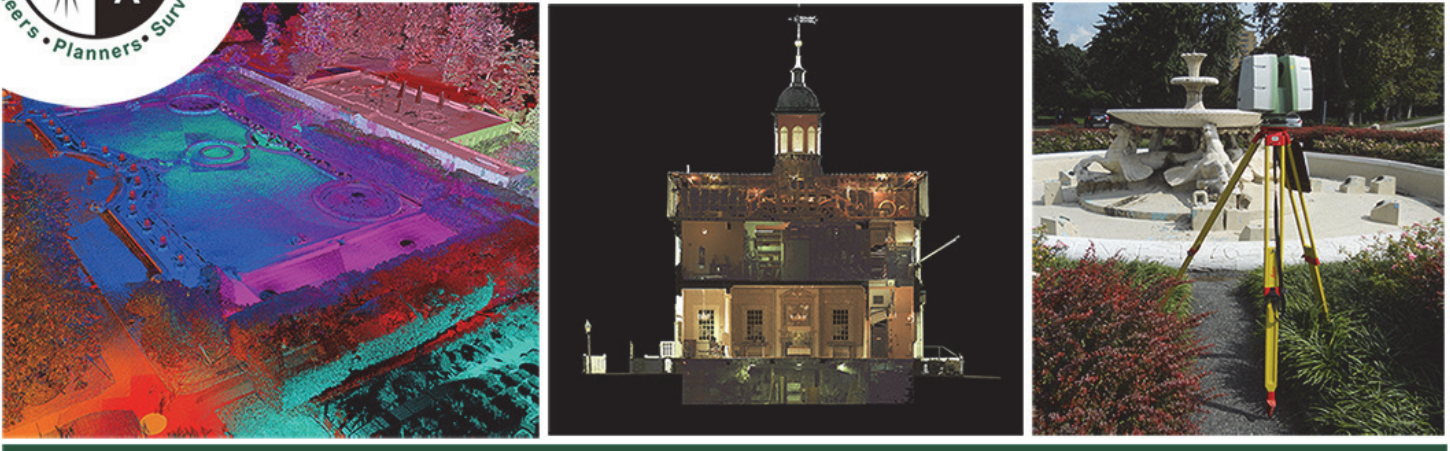




3D HD Laser Scanning - Historic Preservation



Laser scanning is very useful in analyzing historic structures. Laser scanning, used in conjunction with other methods of recordation, including high-resolution photography, and visual inspection of the building's materials, can show how the surface of an object has changed over time due to weather, pollution or vandalism.

Scanning is used to help analyze structural damage or even cosmetic damage, and areas that have begun to shift and sag over time, contributing to a detailed record where a feature, structure or site might be at risk of being lost or changed forever. Scanning is used to accurately assess the structural damage so as to enable accurate repairs.

High-definition surveys are being used to create accurate 3D models of buildings to aid Homeland Security authorities and building owners in helping to prevent and respond to possible terrorist actions. 3D building models are also starting to be used by emergency services providers for determining best access for firefighting services.

Surveys can also be used as models, animations and illustrations for presentation in visitor centers, museums, through the internet and through the media for educational purposes.

