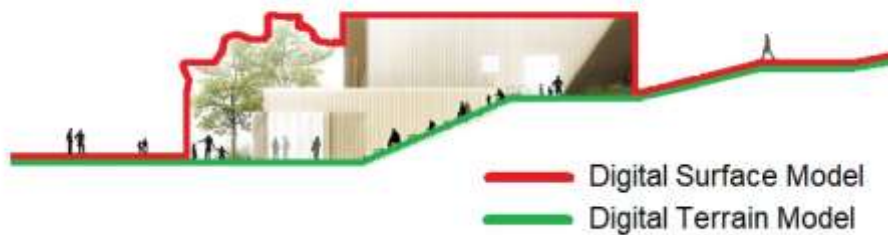# *KeyTERRA-FIRMA ZTV*

Generating Visual Barriers from a DSM

ZTV is always based on a DTM, the ground terrain model where the observers walk on. Other kind of model, DSM, is available and this is a model of the landscape surface including visual barriers. Option to automatically extrapolate visual barriers from a DSM during ZTV analysis was introduced in KTF 8.5711.

DSM (red) is a landscape surface with objects like buildings, vegetation etc. on it
DTM (green) is a ground terrain model without such objects

To use this feature there is a toggle "Use a DSM model for visual barriers" in the main ZTV dialog.