High-accuracy terrain, vegetation and hydrology data to develop more precise solar and wind designs.

Stop wasting resources on bad data. With Teren, renewable developers can confidently invest in survey, material, and earth works by leveraging high-fidelity LiDAR data early in the project. Our proven analytics deliver terrain, vegetation, and stormwater plans resulting in a more holistic understanding of your area of interest.

IMPROVE SURVEY QUALITY & ACCURACY

Teren delivers high-fidelity, high-accuracy data to support engineering and design teams during solar and wind construction. With Teren's hillslope, hydrology, and vegetation analytics, developers can be more confident in data collected from "boots on the ground."

DEVELOP ACCURATE COST ESTIMATES

Don't let third-party contractors guide your construction costs. With Teren, developers can assess terrain, elevation, and water flow paths to design cut/fill and stormwater plans. Armed with accurate data, you'll be able to better estimate construction costs and material needs.
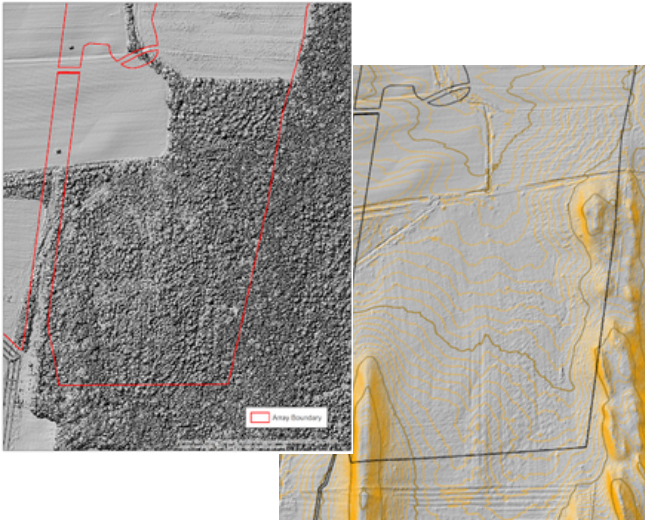
OPTIMIZE TREE CLEARING AND SHADING ANALYSES

Every second and every tree counts in renewable development. Teren's tree clearing and shading analytics pinpoint individual trees to be cleared and assess shading at various times of the year - and we do it 10x faster than the competition. With Teren, design teams can minimize environmental impact while keep projects on schedule.

IMPROVE ROI WITH RAPID, RELEVANT ANALYTICS

Teren's purpose-built analytics leverage high-fidelity LiDAR data to expedite site design and development to get your assets operational sooner. .

TERRAIN ANALYTICS

Teren processes high-fidelity LiDAR to create an accurate 3D image of the terrain and surface of a project site. We remove vegetation to deliver digital elevation models (DTM, DSM) and hillslope analysis. Analytics are provided in common GIS and CAD formats to easily integrate with your design platforms.
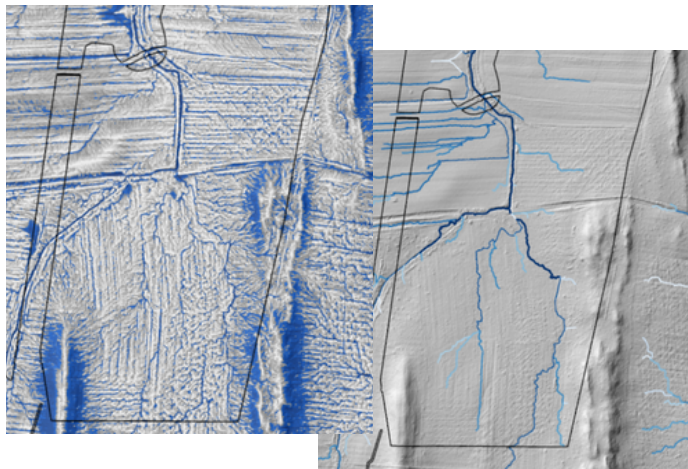
STARTING AT $3.50/ACRE*

File formats include SHP file, fGDB, DXF, DWG, DGN, KML/KMZ.

TREE CLEARING & SHADING ANALYTICS

Teren pinpoints individual trees and their canopies to determine total volume and inform tree clearing estimates. Additionally, Teren calculates potential shading of perimeter trees to inform solar array layouts.

STARTING AT $3.50/ACRE*

HYDROLOGY ANALYTICS

Teren utilizes surface hydrology to identify problematic flowpaths, stream power and areas prone to flooding or ponding. These analytics inform stormwater planning during site selection and pre-construction.

STARTING AT $2.00/ACRE*

*Does not include LiDAR acquisition fee or ground control points. Teren can analyze LiDAR data captured by 3rd-party providers or provide an estimate for fixed-wing capture. Acquisition and ground control fees vary based on location and timing of the project.