

B-TEK Scales' Southwestern Scale dealer location in Arizona, fabricates solar powered scales

A White paper illustrating B-TEK Scales, LLC ability to create custom scale solutions for various industries

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Contributors: Dean Dumont, Tracy McCracken

Harnessing the sun's energy is not a new idea, but powering a few truck scale with solar energy is an innovative solution. Southwestern Scale in Phoenix, Arizona seized the opportunity to install multiple truck scales, powered with solar panels.



Figure 1 is placing the truck scale module in place

Dean Dumont of Southwestern Scale Company explains the solution. "We chose to run the scale off solar due to the location of the scale. There was not power at that site of the mine. A challenge we faced was making the poles to hold the solar panels. During our summer Monsoon season, winds can become excessive and we had to ensure our design would last in the storms."



Figure 2 shows the module in place near the end wall



Figure3 shows the oversized width of the scale

"The digital scales are 25'L x 18' W and use the D-800 indicators. Scales are primarily weighing CAT 769 and CAT 775 haul trucks. We also have Touch Panel PC computers in each truck that is running software. "



Figure 4 is the finished scale shown with the solar panel

B-TEK Scales has over 95 combined years of scale experience to offer in support of your weighing equipment needs. B-TEK is your first choice in scale solutions. For more information on this or other B-TEK projects, please contact us at 1-800-266-8900.