



Solectrac Electric Tractors Sets the Future of Agriculture



CASE STUDY: **THE MUSHROOM FARM**



SOLETRAC
by Ideanomics

Electrify the Mushroom Farm

The Mushroom Farm, in Pescadero, California, is a unique example of the future of farming and technology. Located on 750 pristine acres of the California Coast that was once the home to the Campbell Soup Company, The Mushroom Farm is a 100% certified organic farm that has extensive plans to build an adaptable agricultural park, bringing together the latest technological, ecological, and agricultural solutions to meet the challenges of food security and a changing climate we all face.

Soletrac was fortunate enough to be one of their early technology partners. Through a collaborative grant project funded by the Bay Area Air Quality Management District (BAAQMD), Soletrac was able to prototype and produce two electric tractor models that The Mushroom Farm is using today. The eUtility is a 40-horsepower category utility tractor that is perfectly suited for general farm work like tilling, mowing, and hauling. Our latest model, the e70N Narrow Electric Tractor, is a 70-horsepower category tractor that is only 54 inches wide, making it ideal for narrow row farming like vineyards and commercial farms.

Both models are fully electric and do not emit any greenhouse gases. They have an average runtime of 4-8 hours (depending on the workload), which can be extended with an optional exchangeable battery pack. One of the biggest advantages of our electric tractors is the ability to generate full torque at any speed, which gives the operator greater maneuverability and power over a diesel tractor.



Why Soletrac Electric Tractors?

Better Performance: More pulling power, better traction, and instant torque that can outperform diesel tractors.

Lower Operating Costs: Electricity from the grid or generated by solar is much cheaper when compared to gas or diesel.

Zero-Emission: Keep your crops free from harmful fumes and enjoy quieter operations.



It's not like any tractor experience I've really had...being able to do work (on the tractor) and communicate with our grounds crew is really exciting.

Nicolas Rotundo
Director of Agricultural Development and Discovery

Reference
<https://www.themushroom.farm/>

How Soletrac Plans to Help The Mushroom Farm Reach Its Goals:

The Mushroom Farm's development plans include the renovation of the existing historic buildings and integrating hybrid renewable energy systems with indoor AgTech farming methods. In addition, solar and wind technologies are planned to increase efficiency and provide secure access to energy. The F.A.R.M is a great model for agricultural communities looking to reduce their carbon footprint by harnessing sustainable, renewable energy technologies. Soletrac is excited to partner with The Mushroom Farm and looks forward to a clean, sustainable future.