

"I reduced my electrical bill for my fans by an astonishing 90%!"



Edgar Orozco is the general manager at Technigran in Colombia. Also, Edgar is the owner of a broiler operation on the outskirts of Barranquilla. In the spring of 2019, Edgar installed a set of MagFans in one house and that completely changed his understanding about how much impact these fans have on the overall profitability in a poultry house.

MagFans impact overall profitability

I first saw the MagFan at the IPPE show in Atlanta in January 2019 and decided to test MagFans in one of my broiler houses. I wanted to find out for myself if the data on savings presented to me from Bess Lab test reports would also materialize in real life. I immediately saw a 65% reduction in the electrical consumption compared to my other seven houses on the farm, but more surprising to me was the impact the speed controlled MagFans had on overall profitability.

Derived effects on my financial situation

In 2020, we had MagFans installed on the entire farm. The 65% power saving is significant, but the derived effects from the MagFan installation are also a strong contributor to my overall financial situation. The gentle, noiseless, constant and uniform airflow provided by the speed controlled MagFans is simply so much better and very different from what we see in stage controlled houses. MagFans are the very reason why we consistently see a much better litter quality and stronger, heavier (2.7 kg at 36.6 days) and more uniform birds, as well as lower feed conversion (1.42) and mortality (2.7%).

Solectrifiers are truly another win for me

In 2022, I installed a set of Solectrifiers from DACS in one of my houses. Solectrifiers allow me to source electricity directly from my photovoltaic (PV) panels to the MagFans. This direct sourcing brings a much more predictable and reliable supply of electricity to my MagFans because they run uninterrupted if the public grid is down during daytime. The fully automated Solectrifiers seamlessly mix electricity from the PVs and the public grid, giving priority to PV power and topping up with electricity from the public grid only when needed. As soon as the sun hits the PV panels, the solar generated electricity starts to flow to the MagFans and grid power consumption drops. Depending on the weather we see the MagFans run entirely on electricity from the PVs around 10 hours each day, and that is during peak load. My electricity bill has now been reduced by 90% compared to the days before I installed MagFans and we now have a much safer system with far less blackouts, so Solectrifiers are truly another win for me.

