Smart Buildings

CUSTOMER CASE STUDY



Turntide Can Reduce Operating Costs at Fast Food Restaurants, Putting Money Back into Your Pocket

Fast food restaurants are a staple in the U.S., with millions visiting their stores every day. Some of the most prominent chains have tens of thousands of locations, with a massive scale of operations. Facing increasing amounts of external pressure to operate more sustainably, fast food restaurant chains are prioritizing ESG goals, setting aggressive targets to reduce emissions in their restaurants, offices, and supply chain.

For the owner-operator or the franchisee, reducing carbon emissions seems like a difficult task—but it doesn't have to be. Win-win solutions exist today that can improve profitability, while saving energy and the environment.

Introducing the Turntide Smart Motor System™

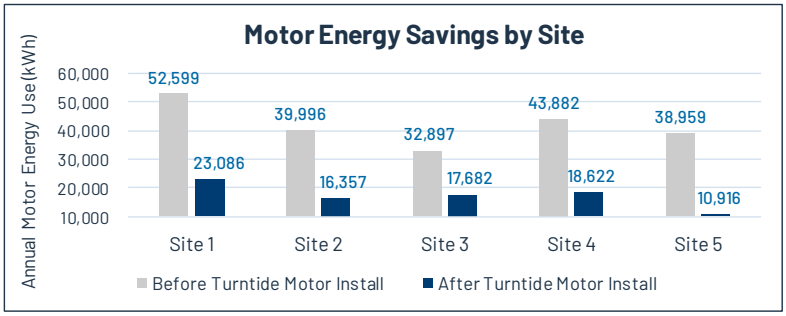
The Turntide Smart Motor System is a revolutionary new motor technology that drastically improves energy efficiency. Consisting of a drop-in HVAC system retrofit option, this solution for energy conservation has saved customers an average of 64% on their HVAC energy use.

Compared with other HVAC efficiency measures, Turntide's solution is more efficient, ultra reliable, and easier to use. Better yet, Turntide has already secured real-world savings in quick-serve restaurant environments at a multitude of locations spanning the entire US.

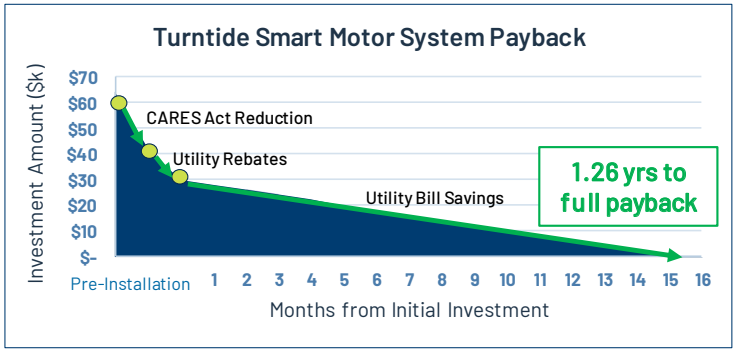
Case Study: Franchisee Deploys Turntide Smart Motors Across 5 Fast Food Locations

In 2022, working closely with Pack-a-Drum, a Turntide channel partner, Turntide worked with an owner-operator of a leading fast food chain, to install 15 smart motors across 5 restaurant locations in the San Diego, CA area as an energy conservation measure (ECM). The 15-motor rollout immediately provided results, saving an average of 58% on motor energy use, with a savings of 111,121 kWh per year. This translates to $23,712 in annual utility bill savings, which brings profits back into the hands of the owner-operator.

Aside from energy savings, project costs were further absorbed by utility rebates and cost reduction from the 2020 CARES Act. With a significant portion of project costs already accounted for before installation, the project paid for itself quickly with an accelerated 1.26 year payback (after rebates).







SAVINGS BY SITE LOCATION

Site	Site 1	Site 2	Site 3	Site 4	Site 5
Annual Utility Bill Savings	$5,732	$4,381	$2,762	$5,272	$5,564
Motor Energy Reduction(%)	56%	59%	46%	58%	72%
Payback After Rebates*	1.06 yrs	1.24 yrs	2.48 yrs	0.75 yrs	1.35 yrs

Additionally, Turntide motors demonstrated carbon reduction at these 5 stores by 58,709 lbs (equivalent to 8,869 fewer gallons of gas) per year – which would help the owner-operator accelerate the franchise's aggressive greenhouse gas emission reduction targets.

*with CARES act and utility rebates

Energy Savings Drives Business Continuity and Sustainability

These results make it clear: energy savings from the Turntide Smart Motor System drives down operational costs, which are critical when volatile market conditions threaten profitability.

Beyond costs, Turntide smart motors reduce an organization's greenhouse gas emissions and carbon footprint, helping enterprises get ahead of climate-related policies and regulations.

The Turntide Smart Motor System is a perfect fit for QSR operators seeking the next transformational energy conservation measure (ECM) they can deploy to improve everyday business operations.

Transform Your Stores with Turntide Smart Motor System

To learn more about how Turntide can reduce your operating costs and carbon emissions, explore the energy-saving capabilities of the **Smart Motor System**.

Contact us for more information:

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TURNTIDE TECHNOLOGIES

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