

## How manufacturers can reduce industrial energy costs.

Do you know how much of your energy spend actually goes to powering your plant? A large portion of your energy may be escaping through leaky air compressors and inefficient equipment. Manufacturing facilities are responsible for spending **\$200 billion** every year to power facilities and waste nearly **30 percent** of that energy.

To make your manufacturing facility more energy efficient and less expensive to run, here are seven ways to **reduce industrial energy costs** on your production floor:

- 1. Develop an energy management team** to monitor energy usage and implement ways to reduce waste. *Tip: Bring in company representatives who already have an incentive to keep costs low, or build in a bonus that can be tied to the amount of energy the team saves.*
- 2. Conduct an energy audit** to quantify how much energy each department is consuming, identify peak consumption times, and offer recommendations on energy efficiency upgrades.
- 3. Strategically schedule machinery use** outside of peak hours, as peak hours can constitute up to 30 percent of a manufacturing facility's monthly utility bill.
- 4. Schedule machinery shut-downs** during off-shift periods to lower industrial energy costs.
- 5. Stagger equipment start-ups** to avoid large spikes in your facility's energy demand.
- 6. Optimize air compressors**, as air compressors account for up to \$3.2 billion in wasted energy costs annually in the U.S.
- 7. Conduct an audit of the HVAC system**, which is responsible for nearly 52 percent of a building's total energy consumption. Based on the findings, take the time to conduct maintenance or consider upgrading the system.

### Here are three ways to **make HVAC systems more efficient:**

- 1. Install a programmable thermostat** (which can reduce consumption by as much as 15 percent).
- 2. Invest in a demand-controlled ventilation (DCV) system**, which regulates outdoor air intake based on a facility's concentration of carbon dioxide due to the number of staff inside.
- 3. In some cases, the simple repair and insulation of ducting** is enough to increase HVAC energy efficiency by 20 percent.

**To learn more about how energy efficiency solutions can put your facility on a path to saving, [contact us.](#)**



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