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DID YOU KNOW?

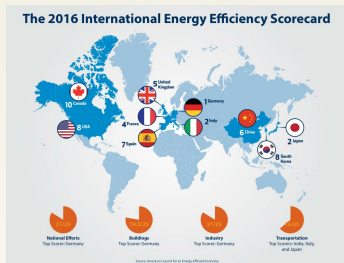


According to [NASA](#), 2016 is on track to be the hottest year on record - with 2015 and 2014 ranking second and third.

MARKET TRENDS



World's Most Energy-Efficient Countries



View a larger version of this image, [here](#).

The American Council for an Energy-Efficient Economy (ACEEE) evaluated countries across the globe using 35 policy and performance metrics in four categories: buildings, industry, transportation, and overall national energy-efficiency efforts.

Greetings!

With systems operating at full force to combat the hottest year on record, system malfunctions and/or equipment failures could be an expensive hit to your company's budget.

Make sure your company's infrastructure is well maintained and reaching its peak performance with our proactive, preventive maintenance program. To learn more about how your building may be wasting energy, check out this month's educational article below and don't forget to contact [Air Temp Heating & Air Conditioning, Inc.](#) today to schedule an appointment.

How to Avoid Common Energy Traps

Summer is almost over and Fall is fast approaching. So not only are you confronting one of the hottest months of the year, but it is also time to start preparing your HVAC system for the shifting temperatures and cold winter to come. Below are just a few common facility energy wasters to consider, as well as helpful hints on how to avoid them.

- 1. Heating and cooling simultaneously** - Heating and cooling can occur in the same space - from office workers using space heaters to combat cool conditions to competing HVAC systems with mismatched settings. Building automation systems can monitor discrepancies and poll occupants to adjust for average, preferred temperatures. Periodic inspections of facility equipment can also help discover and correct these problems.
- 2. Automated system variances** - Building automation systems are great at regulating and reducing energy use. But overriding systems to accommodate for personal preferences, changing temperature set points to inefficient numbers, and even forgetting to adjust temperature settings for season changes can all lead to inefficient use and costly energy waste.
- 3. Inefficient HVAC use** - Is equipment running while the building is unoccupied or being used to

The 2016 International Energy Efficiency Scorecard illustrates which countries are leading the world in energy efficiency.

[Click here](#) to view the full results.



QUESTION: What is the Internet of Things?

ANSWER: Commonly referred to as IoT, the Internet of Things leverages the Internet with the proliferation of computers and cellular communication devices to monitor and control things we use in everyday life - from appliances to facility equipment, cars and even medical devices.



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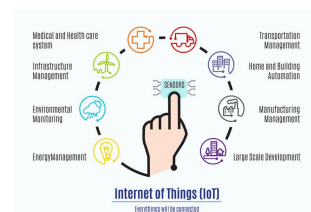


heat or cool unoccupied rooms? To achieve the most energy savings, shut down equipment during inactive hours and restart them with enough time to reach set temperatures when occupants arrive.

4. **Not performing regular maintenance** - Proactive and preventive maintenance is an important step to ensure facility equipment reaches its peak performance without wasting energy - as well as to prevent costly equipment failures and downtime.

How the IoT is Reshaping Building Automation

You may have heard how the Internet of Things (IoT) is growing to make every thing - from within your house to your car and even your workplace - easier to manage and control. Where IoT shows



especially great growing potential is within building automation systems. By monitoring, automatically adjusting and sharing information about the operation of these systems, it is easier than ever for facility managers to ensure their buildings are functioning efficiently. All while avoiding energy waste and stopping potential problems before they become major issues. Plus, most of this information can now be easily accessed remotely from computers and mobile devices.

Embedding web connectivity within building equipment is not new. But the technology continues to become more efficient, cheaper to implement, as well as easier to use and connect with an ever growing list of other systems. Now it is even possible for building operation systems to work alongside enterprise solutions - such as human resources, finance, customer relationship management systems and manufacturing. Learn more about how the Internet of Things affects the future of building automation in the areas of interoperability; connectivity and discovery & identification; cloud computing; open-source communities; security; and insightful user interfaces by reading Transformative Wave's new report, [How the IoT is Reshaping Building Automation](#).

