



## **What is electrification?**

Electrification refers to the process of using electricity as an energy source for a particular activity or system. It can involve the conversion of an existing system or process to run on electricity, or the creation of a new system that is powered by electricity.

Electrification has many benefits, including increased efficiency, improved safety, and reduced environmental impacts. For example, electrification of transportation can lead to reduced air pollution and greenhouse gas emissions, while electrification of buildings can lead to increased energy efficiency and reduced energy costs.

There are many sectors that can be electrified, including transportation, heating and cooling, industry, and agriculture. The process of electrification often involves the use of electric motors and other electric devices, as well as the development of infrastructure to support the use of electricity, such as power plants and transmission lines.

Electrification is a key component of the transition to a low-carbon economy and is essential for achieving decarbonization goals. It is also an important part of the Fourth Industrial Revolution, which is characterized by the convergence of digital, physical, and biological technologies.

We have done multiple smart utility, smart city, and smart building projects that take advantage of the latest on this topic. And we continue to work on and advance multiple aspects of these solutions today and look forward to sharing more soon.

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