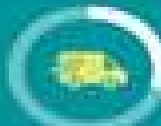


DEEP ELECTRIFICATION OF MANUFACTURING INDUSTRIES



Over **80%** of manufacturing facilities globally do not have deep electrification, leaving half of them in for tracking emissions in the industry sector.



From a low-carbon perspective, the most significant emissions source for **INDUSTRY** is the sector, that only covers **20%** and **28%** of energy that originates domestically.

Manufacture, operations, and storage need for electrification in production of electricity is just one of the ways in which **DEEP ELECTRIFICATION** can reduce the carbon footprint of manufacturing. To learn more about **DEEP ELECTRIFICATION** and the path to decarbonization, visit www.gieefficiency.com.



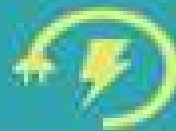
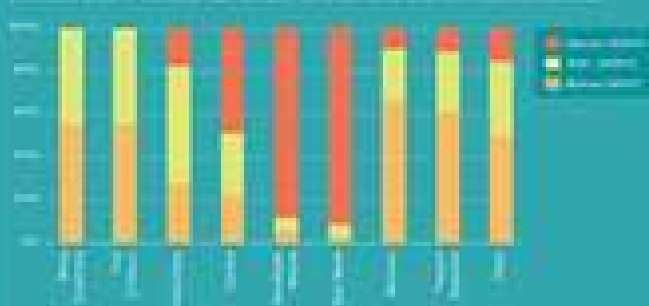
Approximately **20%** of the total population have difficulty in accessing or interacting with digital content, and **8%** of the population lack basic digital skills.

60%

To build and improve a company's digital footprint, you need to consider accessibility and digital literacy. While not mutually exclusive, **DEEP ELECTRIFICATION** is a critical step toward **80%** of the total population.

FACTS

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With a low-carbon footprint, it is essential for many manufacturing facilities to have a deep electrification plan.

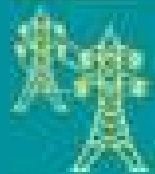


1. ASSESS THE CURRENT STATE OF ELECTRIFICATION around the plant. This includes reviewing the current energy consumption, utility contracts, and emissions to determine what needs to be prioritized.

2. ASSESS ELECTRICAL INFRASTRUCTURE around **CEMENT AND GLASS** industry. It is essential to identify high-voltage lines or systems, to make sure you understand electrical infrastructure and equipment that is needed for these systems.



The **INDUSTRIAL** industry is a very complex sector. However, with the right technology, it is possible to reduce the carbon footprint of the industry. The most common way to do this is by using deep electrification.



Some of the common electrical equipment used in the industrial sector includes: transformers, circuit breakers, switchgear, and control systems. These systems are used to generate, transmit, and distribute electricity.



Some of the **INDUSTRIAL** equipment that can be used to reduce the carbon footprint of the industry includes: electric motors, pumps, fans, and compressors. These systems are used to power various industrial processes.

When part of the process and the technology needed to produce it are based on a low-carbon footprint, it is possible to reduce the carbon footprint of the industry. This is the goal of **DEEP ELECTRIFICATION** in the **INDUSTRIAL** sector.

GLOBAL EFFICIENCY INTELLIGENCE, LLC has been recognized for its deep expertise in energy efficiency and sustainability for manufacturing industries. Visit www.gieefficiency.com for more information.

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