SMART GREEN PLANET

LAS TABLAS VALVERDE
SCHOOL

ENERGY LOSS

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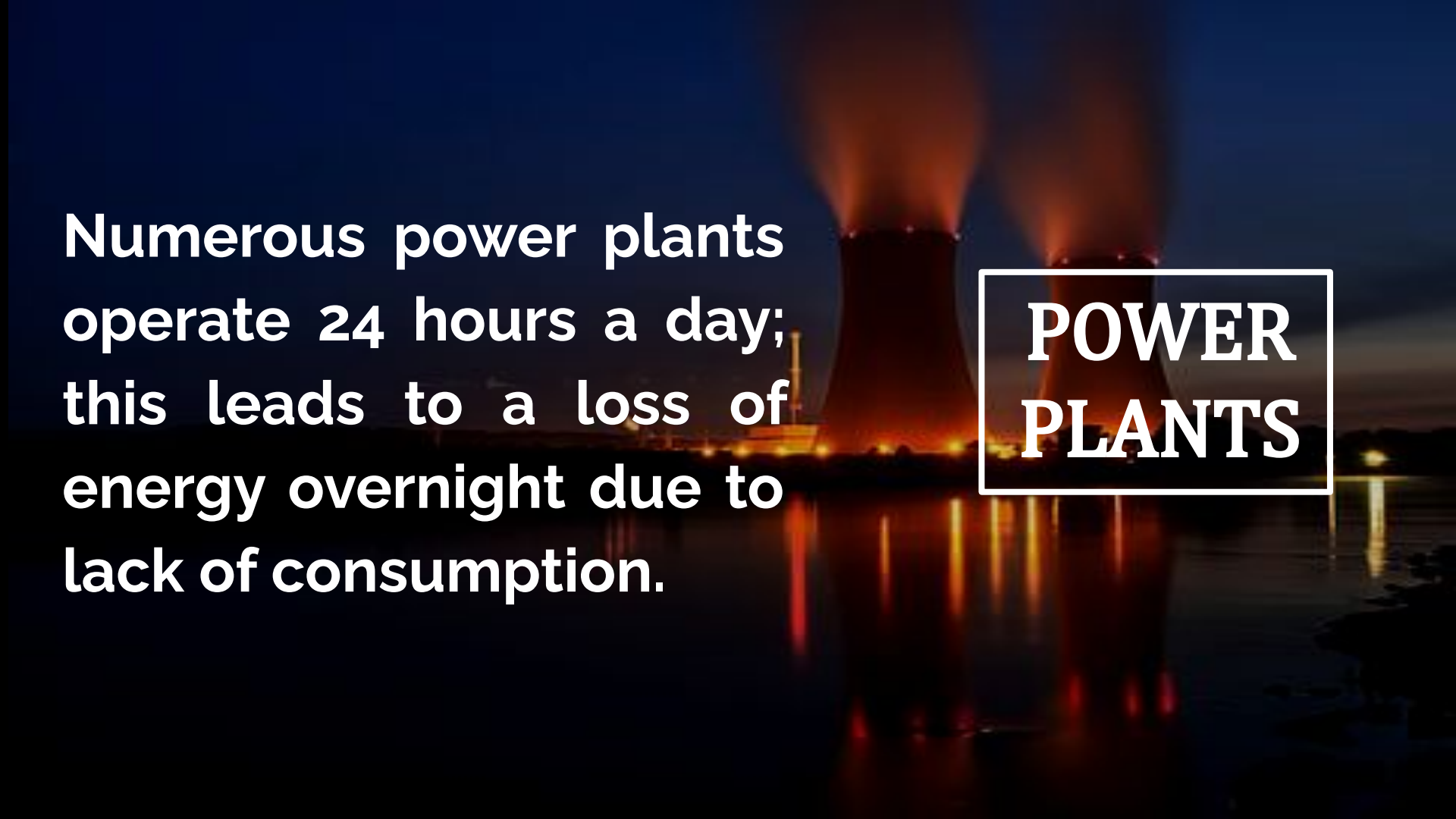
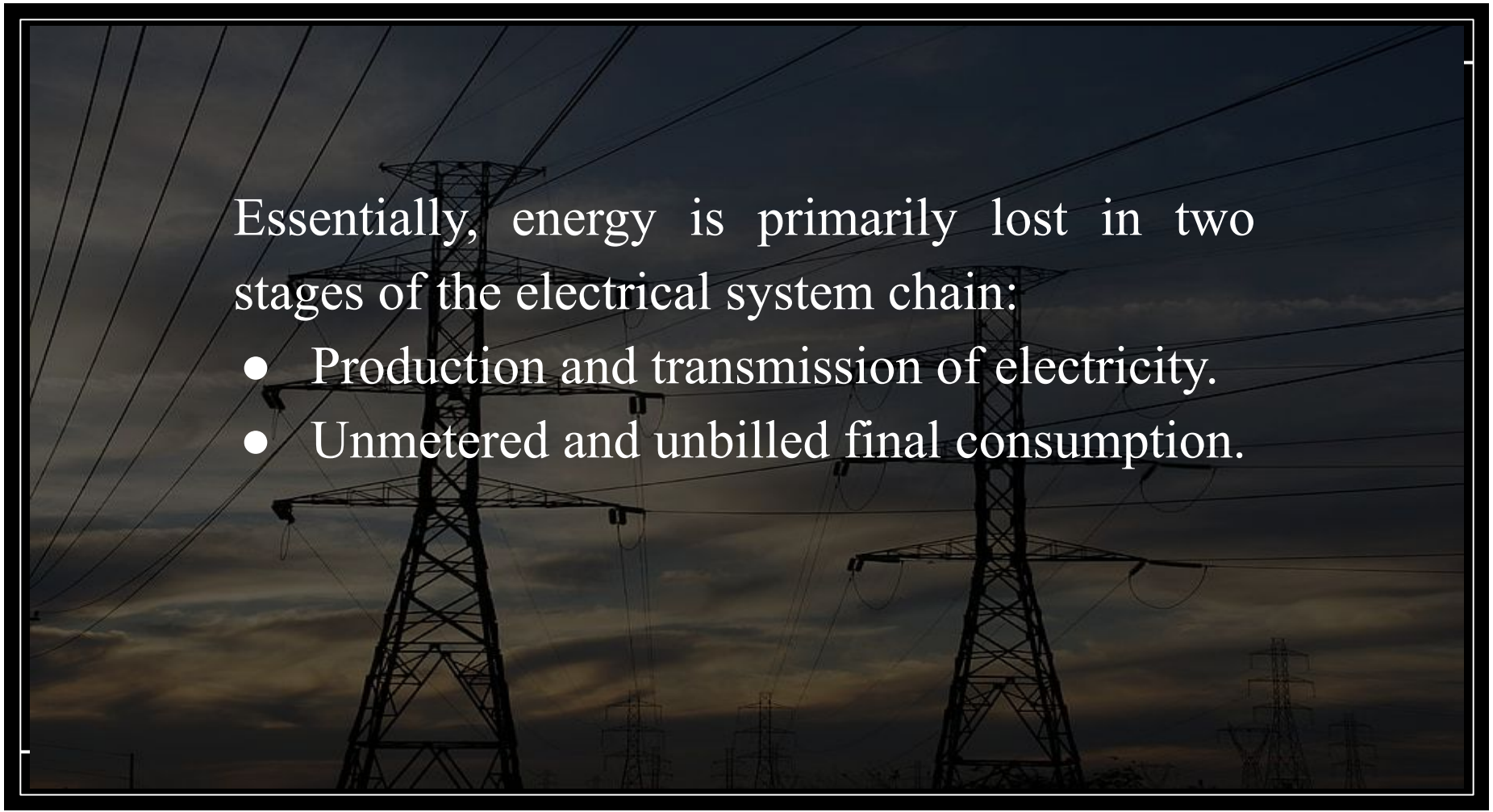


Numerous power plants operate 24 hours a day; this leads to a loss of energy overnight due to lack of consumption.


These power plants release gasses that contain CO_2 . They cause atmospheric pollution which leads to the greenhouse effect and acid rains.
CO_2

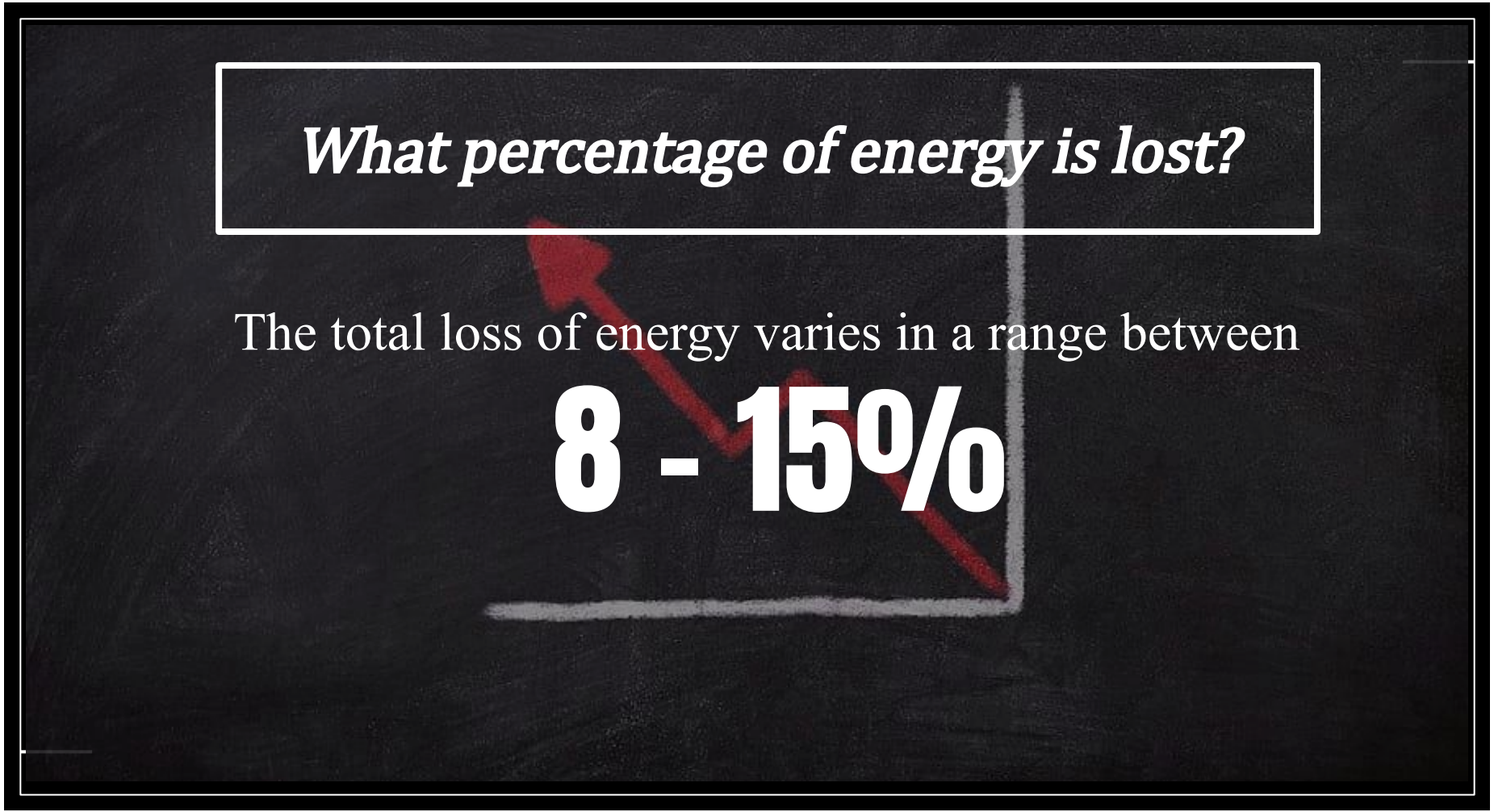
Appliances

Devices in poor condition: if the devices we use are worn our, they can consume twice as much required energy, since they will need more time to carry out the task entrusted to them, putting the device constantly under pressure.



Essentially, energy is primarily lost in two stages of the electrical system chain:

- Production and transmission of electricity.
- Unmetered and unbilled final consumption.


What percentage of energy is lost?
The total loss of energy varies in a range between
8 - 15%

Solution

A method to store energy that is not needed.

This method consists of storing the energy excess in a battery so it can be used whenever it is needed.

This batteries would be placed in a battery station which would be connected to the electric wires and take in 8 - 15% of the energy