

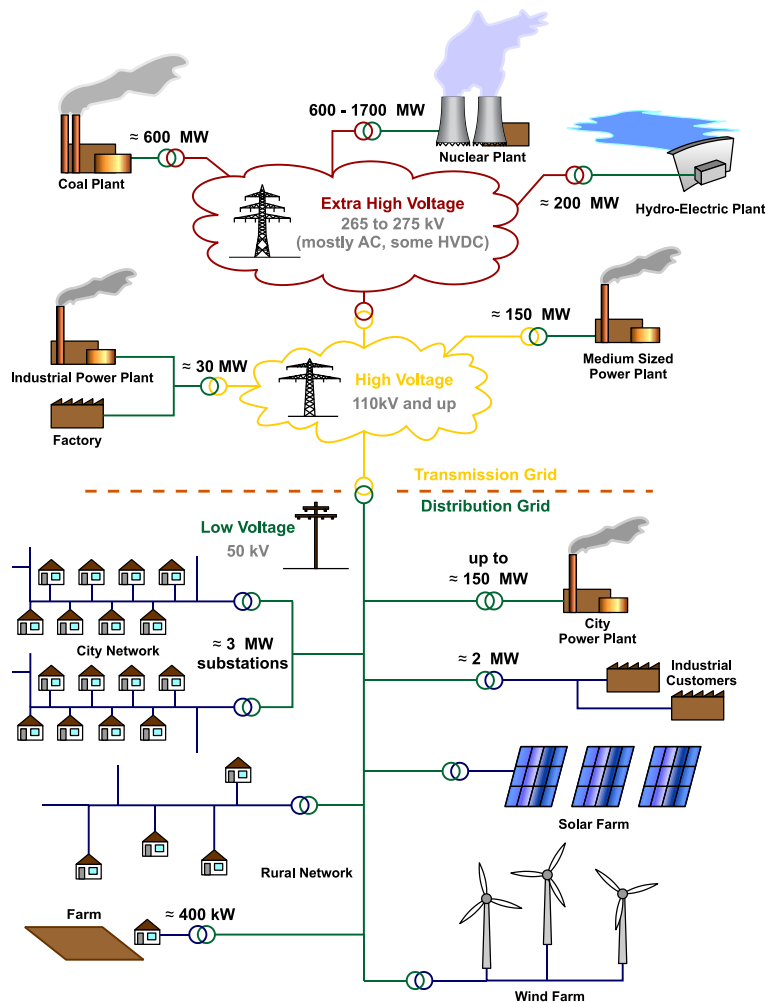
**Problem:** what is the path of the electricity between the user and the power plant?

## 1. Definition

With the website : [https://en.wikipedia.org/wiki/Electrical\\_grid](https://en.wikipedia.org/wiki/Electrical_grid), give the definition of an **electrical grid**.



## 2. Electricity network



With the below picture of the electricity network:

- Give the names of the electricity producers:
- Give the voltages of the transmission grid.
- Give the voltage of the distribution grid

## 3. Electrical grid

✍ Watch the following video: <https://stinfo-ch.fr/wp-content/uploads/2026/01/Electrical-Grid.mp4>.



✍ Put a link to create a good sentence.

Electric grid ☐

☐ are to produce electricity

Transmission lines ☐

☐ is made up of generation,  
☐ transmission, distribution and  
consumption

Distribution lines ☐

☐ is an intelligent network

Smart grid ☐

☐ are to transport electricity for lower  
voltages

Substations ☐

☐ are to transport electricity over long  
distances

Generating plants ☐

☐ are to increase or decrease the  
electricity voltage

✍ Complete the block diagram to describe how the grid works:

