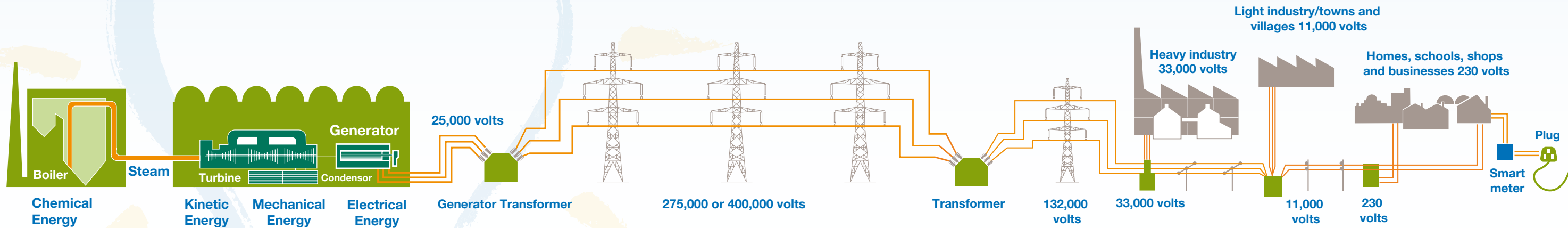


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**How  
electricity  
is made and  
transmitted**



# How electricity is made and transmitted



Power companies generate electricity by converting one form of energy into mechanical energy and then converting it to electric energy.

National Grid transmits electricity at high voltage throughout England and Wales on a system made up of 7,000 kilometres of overhead lines, 600 kilometres of underground cables and some 300 substations.

The local distribution companies carry the bulk of electricity at lower voltages throughout England and Wales.