

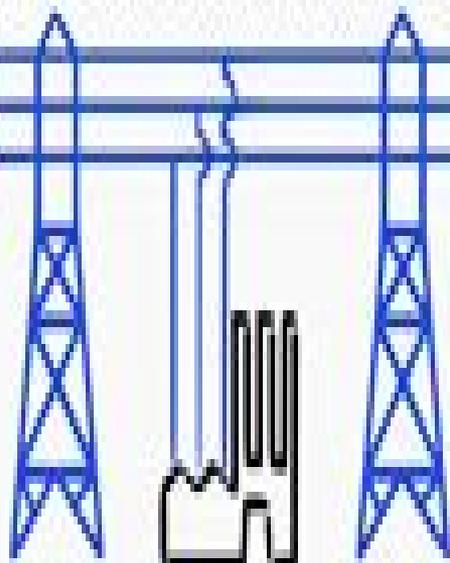
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Generating Station



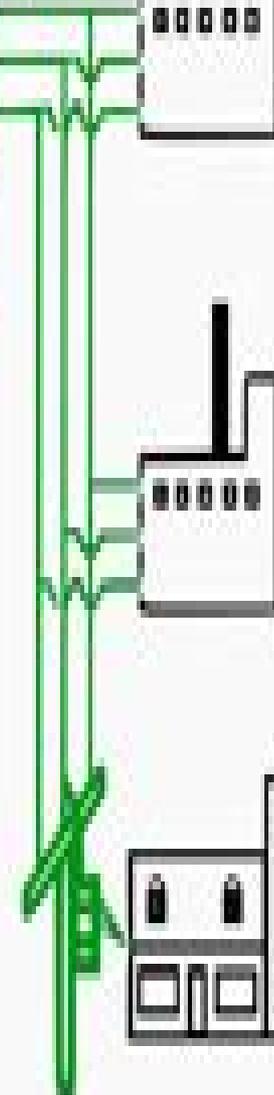
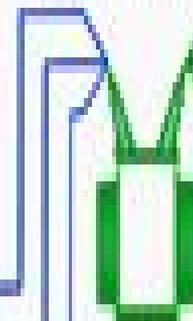
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Transmission lines  
765, 500, 345, 230, and 138 kV



Transmission Customer  
138kV or 230kV

Substation  
Step Down  
Transformer



Subtransmission  
Customer  
26kV and 69kV

Primary Customer  
13kV and 4kV

Secondary Customer  
120V and 240V

# Synchronizing Electrical Substation Electric Power System

**Ensheng Dong**



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