

## Electric Power Substations Engineering

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A substation is a part of an electrical generation, transmission, and distribution system. Substations transform voltage from high to low, or the reverse, or perform any of several other important functions. Between the generating station and consumer, electric power may flow through several substations at different voltage levels.

### Electrical substation - Wikipedia

Welcome To Our Course "Complete Electrical Substations For Electrical Power Engineering" . What are you going to learn? Function, classification and voltage of electrical substations. Main components like power transformers, conductors, insulators, switch gears, current transformer, capacitor voltage transformer and voltage transformer.

### Complete Electrical Substations For Electrical Engineering ...

An electrical substation is a subsidiary station of an electricity generation, transmission and distribution system where voltage is transformed from high to low or the reverse using transformers. Electric power may flow through several substations between generating plant and consumer, and may be changed in voltage in several steps.

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Operation of a Substation Electricity is generated in a thermal power plant, hydroelectric power plant, and nuclear power plant, etc. This electricity is then supplied to a transmission substation near the generating plant. In the transmission substation the voltage is increased substantially using step up transformers.

### **How Does an Electrical Substation Work? - Bright Hub ...**

Course for power engineering students about substations and electric power system (circuit breakers, grounding systems, ring main units, transmission lines, and more!).

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