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The Power Equation: Multiplying the voltage by the armature current to get the power gives the following relationship: P = EI = VI - I<sup>2</sup> R. It shows that the mechanical power delivered by the motor is equal to the back EMF times the armature current OR the electrical power applied to the motor less the I<sup>2</sup> R losses in the windings. (Disregarding frictional losses).

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**Electric Drives and Electromechanical Systems**

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**Electrical machines and drives | KTH**

Electrical machine

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In very simple words, the systems which control the motion of the electrical machines, are known as electrical drives. A typical drive system is assembled with a electric motor (may be several) and a sophisticated control system that controls the rotation of the motor shaft. Now days, this control can be done easily with the help of software.

**What is an Electrical Drive? | Electrical4U**

2019 16-th INTERNATIONAL CONFERENCE ON ELECTRICAL MACHINES, DRIVES AND POWER SYSTEMS (ELMA) June 6-8, 2019 VARNA, BULGARIA Organized by: Union of Electronics, Electrical Engineering and Telecommunications (CEECE) IEEE Bulgaria Section With the support of: Technical University of Sofia. Technical University of Varna. Technical University of Gabrovo

**16-th International Conference ELMA 2019**

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