Utilization of Electrical Energy 3340903



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Vishal D Devdhar Lecturer Electrical Engineering Department Government Polytechnic, Rajkot

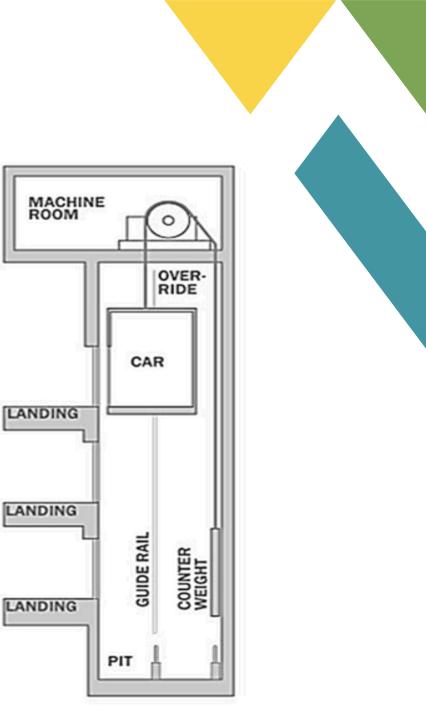
Unit-3 Electric Drives & Elevators

Types of Elevators

Traction Elevators

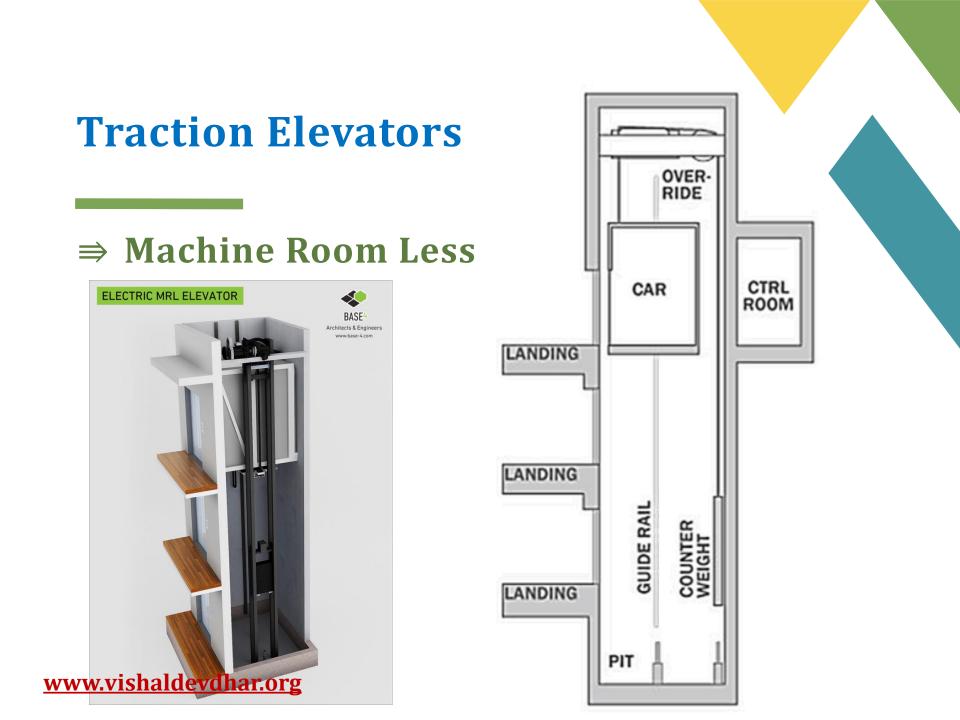
- Machine-Room-Less (MRL) traction
- Traction with a machine room
 - Geared
 - Gear Less

Hydraulic Elevators



Traction Elevators

⇒ Machine Room type



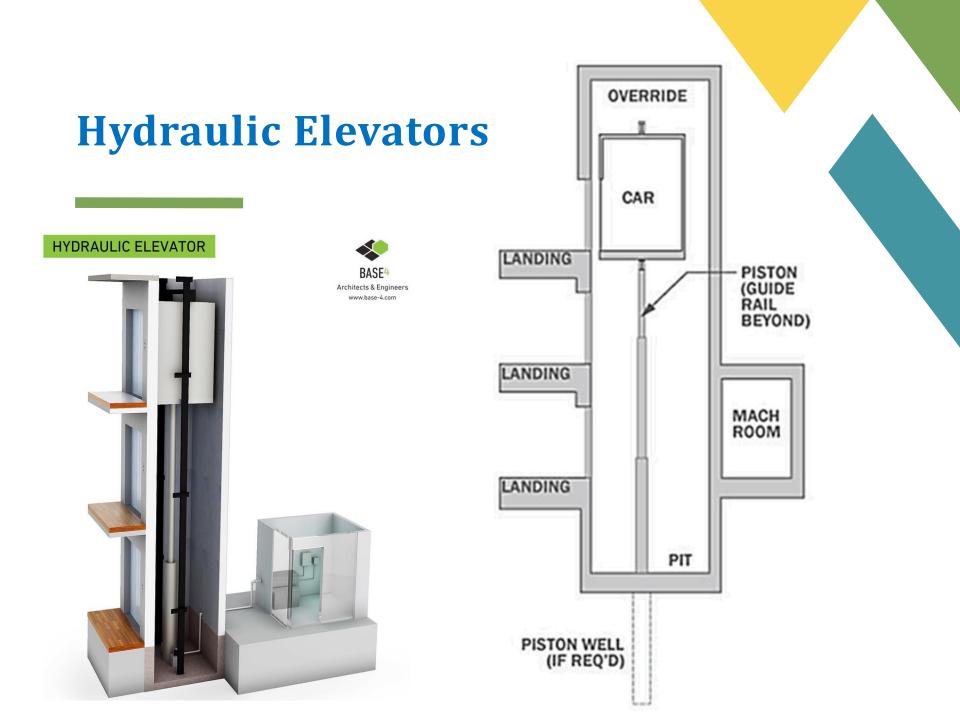
Machine Room Less

⇒ Advantages

Reduced Energy Increased Usable Space Environmentally Friendly Faster Speeds Increased Acceleration/Deceleration Rates

⇒ Disadvantages

Higher Cost Increased Maintenance Costs



Hydraulic Elevators

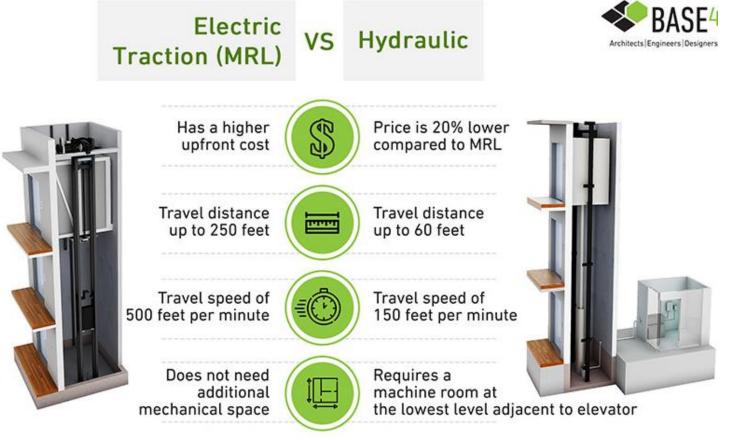
\Rightarrow Advantages

Lower Price More Capacity

⇒ Disadvantages

Lower Speeds & Acceleration/Deceleration Environment Concerns High Risk in Extreme Conditions

Comparison



Thank You



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Vishal D Devdhar

Lecturer

Electrical Engineering Department

Government Polytechnic, Rajkot