

Session 5: The Regenerative power of lifts

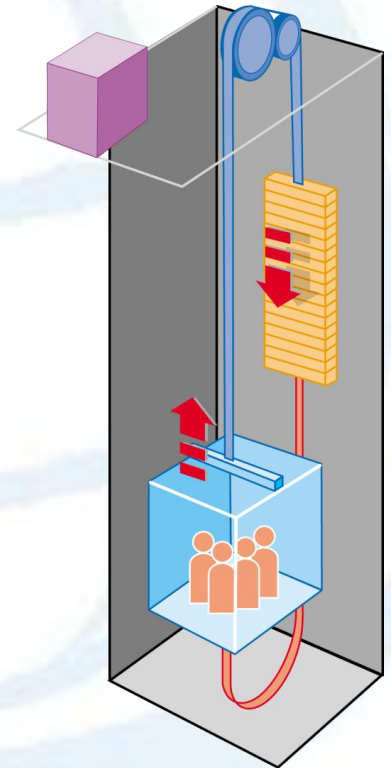
Presentation 50: Introduction

Habib Srour – OEA

Elevator balance design

CWT Weight = Car Weight + F% of Rated Load

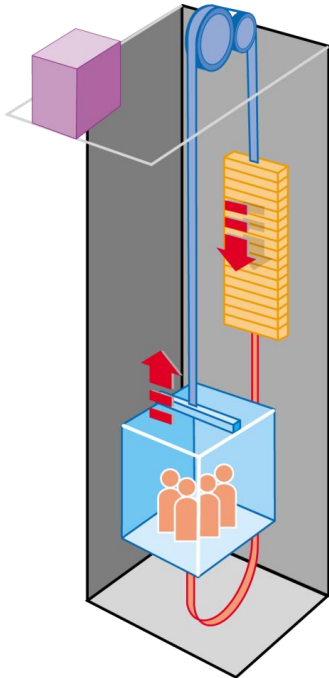
F (Balancing Factor) is normally =50%



Elevator operation status

Consume Energy

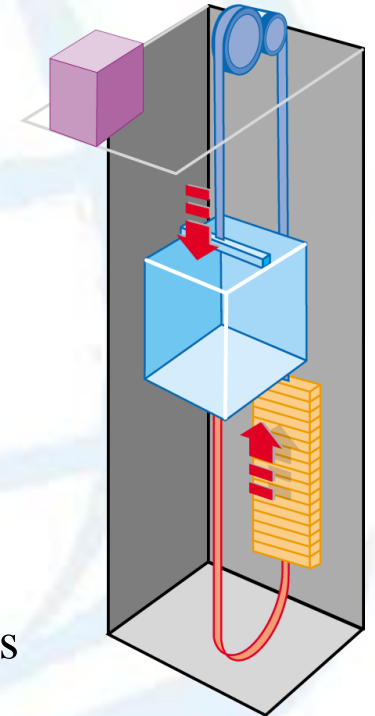
Machine working in Motor Mode



Traveling upwards
with full load



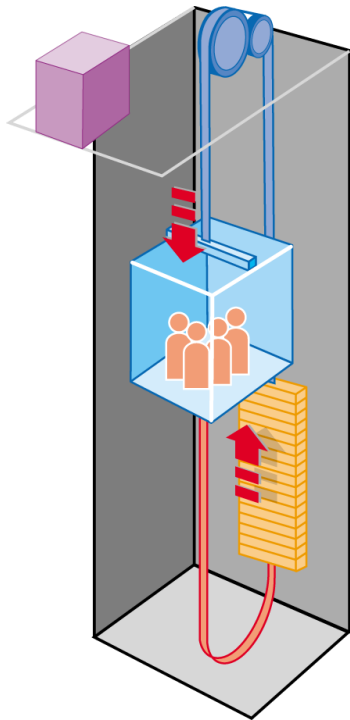
Traveling downwards
with light load



Elevator operation status

Generate Energy

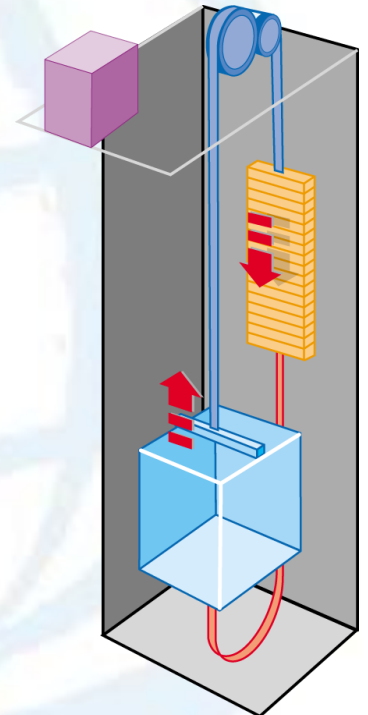
Machine working in Generator mode



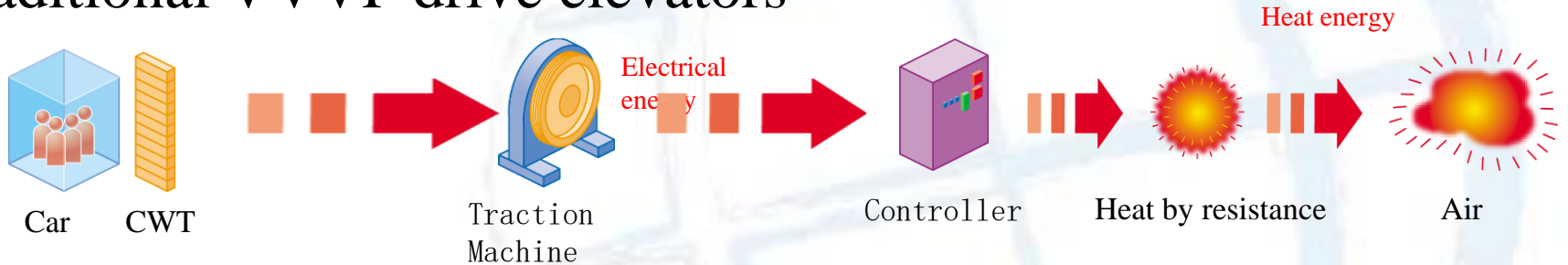
Traveling downwards
with full load



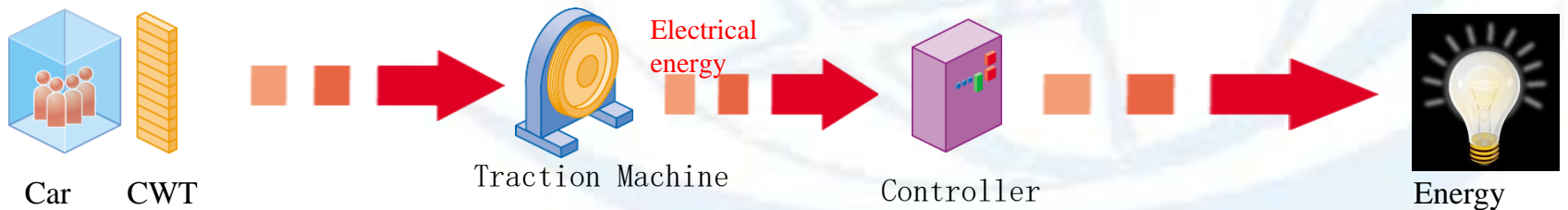
Traveling upwards
with light load



Traditional VVVF drive elevators



Regenerative unit technology



THANK YOU

MERCI



fisuel