

Session 5

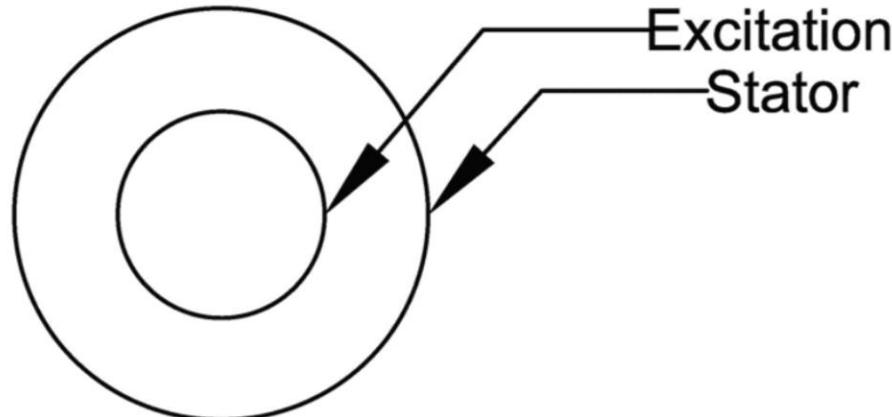
The Regenerative power of lifts

Presentation 54:
The Next Generation

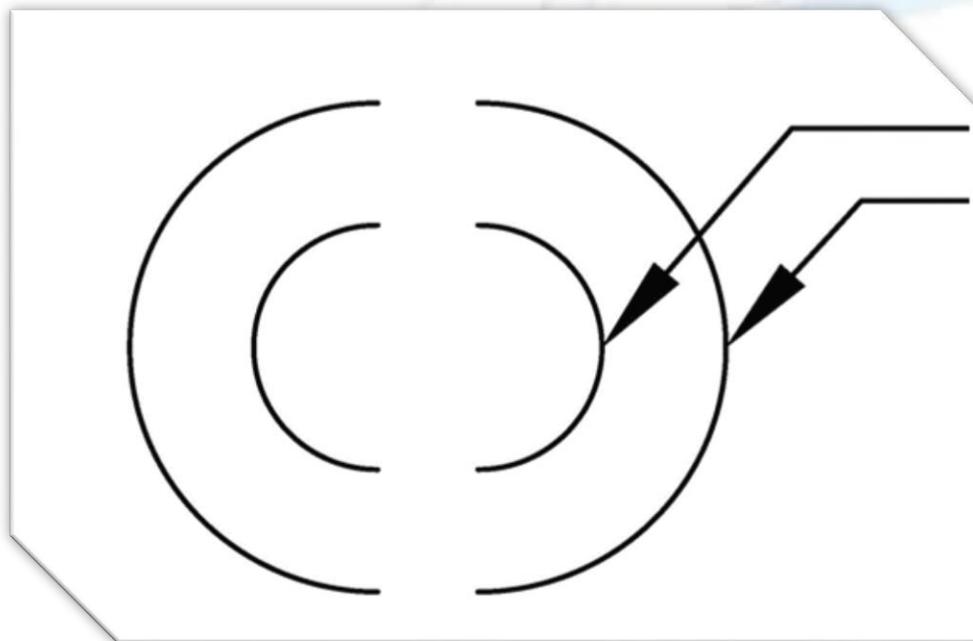
Mr. Charbel Zakhia – Trust For Elevators

Rotating Machine

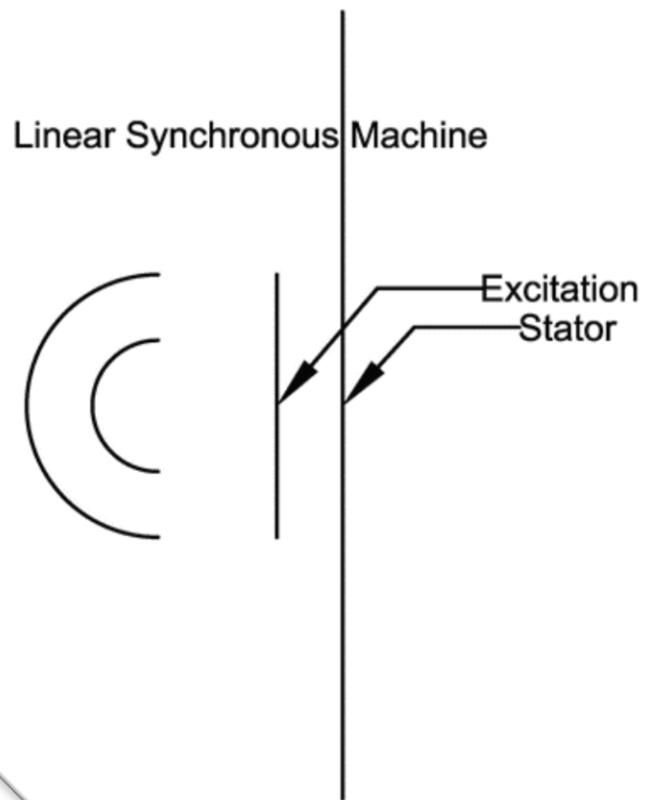
Synchronous Rotating Machine



Is transformed into



Linear Synchronous Machine



- Rope Less lifts
- Multi possibilities

Presentation 54: Multi from Thyssen

Mr. Charbel Zakhia – Trust For
Elevators

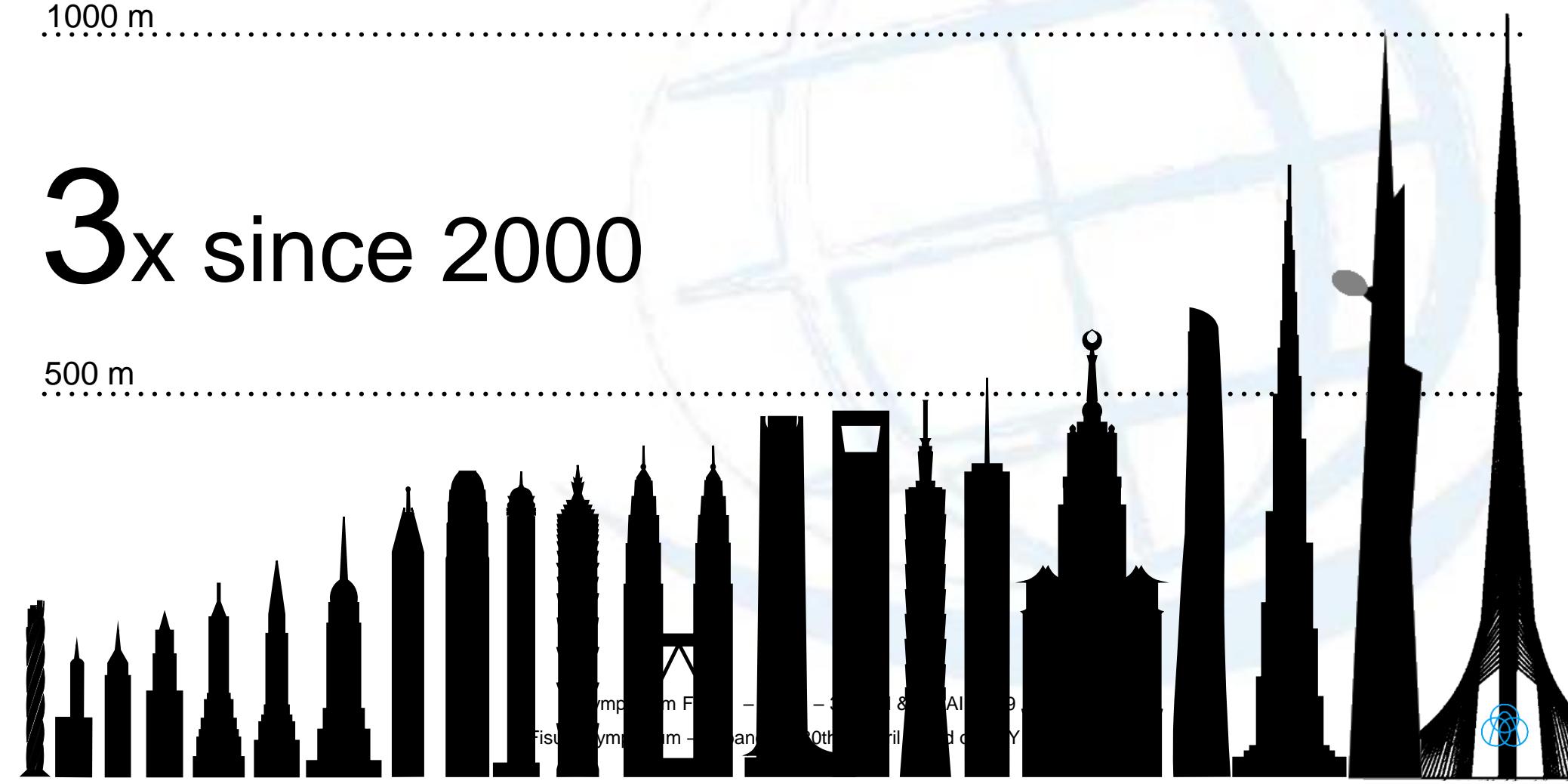


MULTI

World's first maglev elevator
transforming the building industry

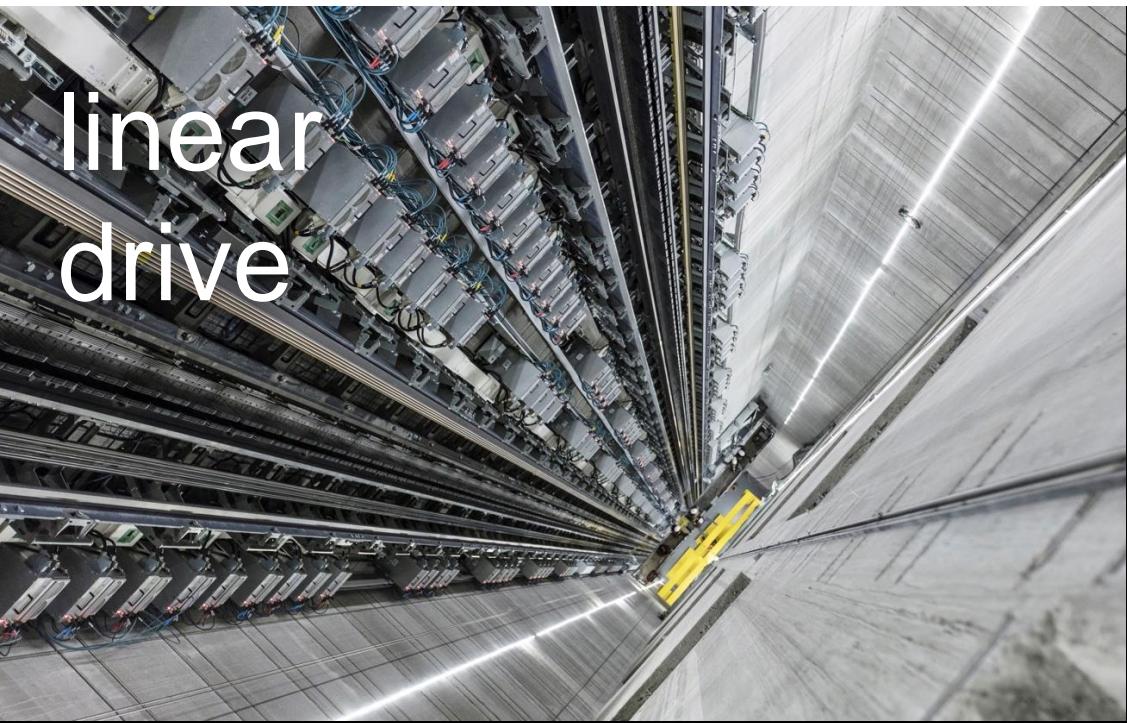


3x since 2000

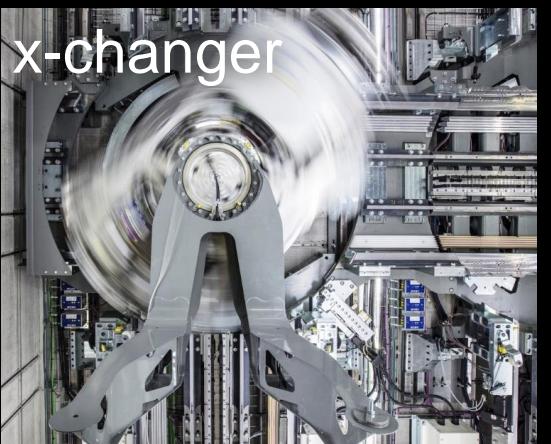




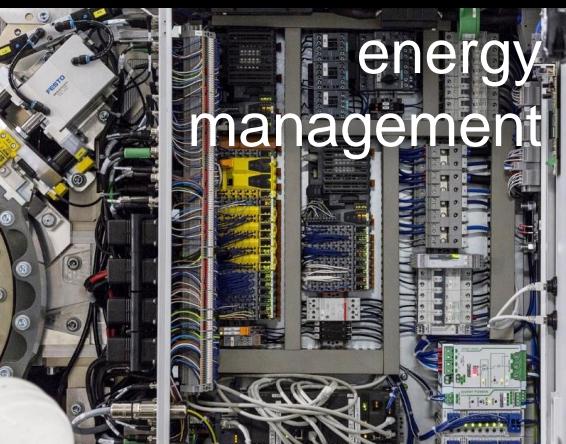
linear
drive



x-changer



energy
management



roller guides

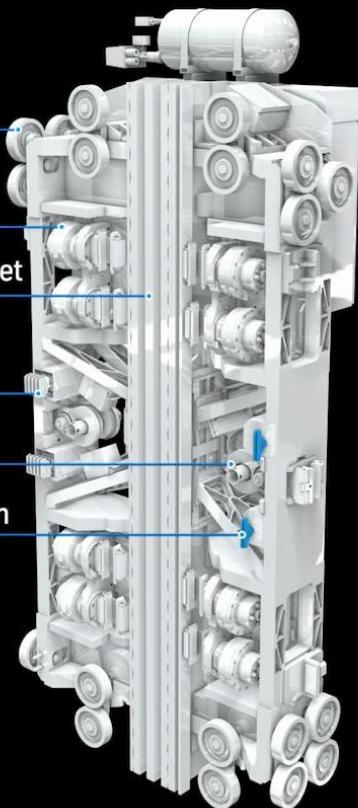
fail safe
operation brake

permanent magnet

energy
transmission

safety brake

data transmission

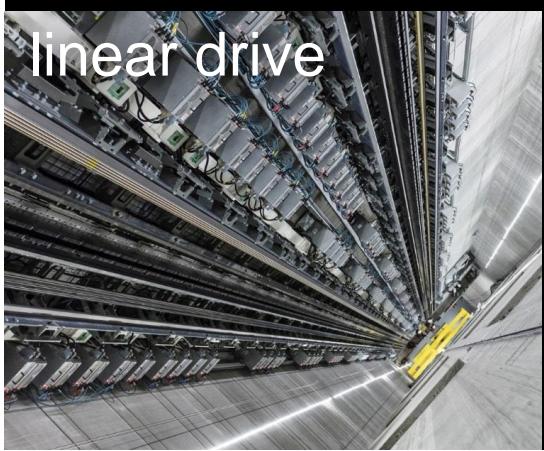
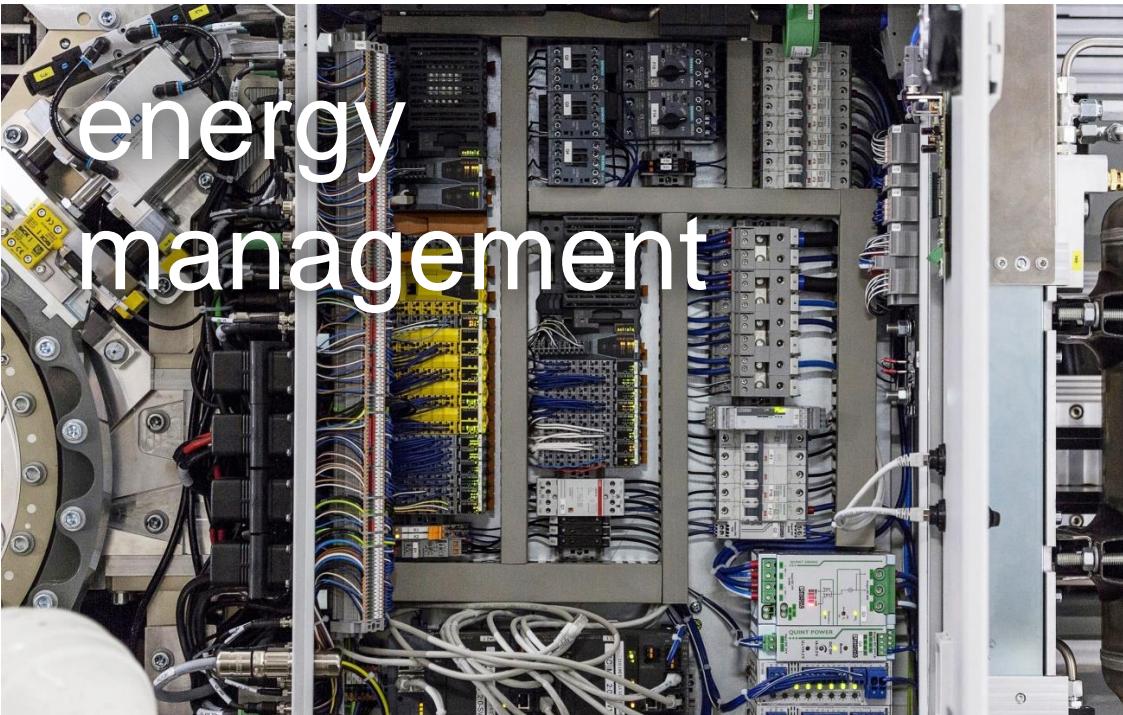


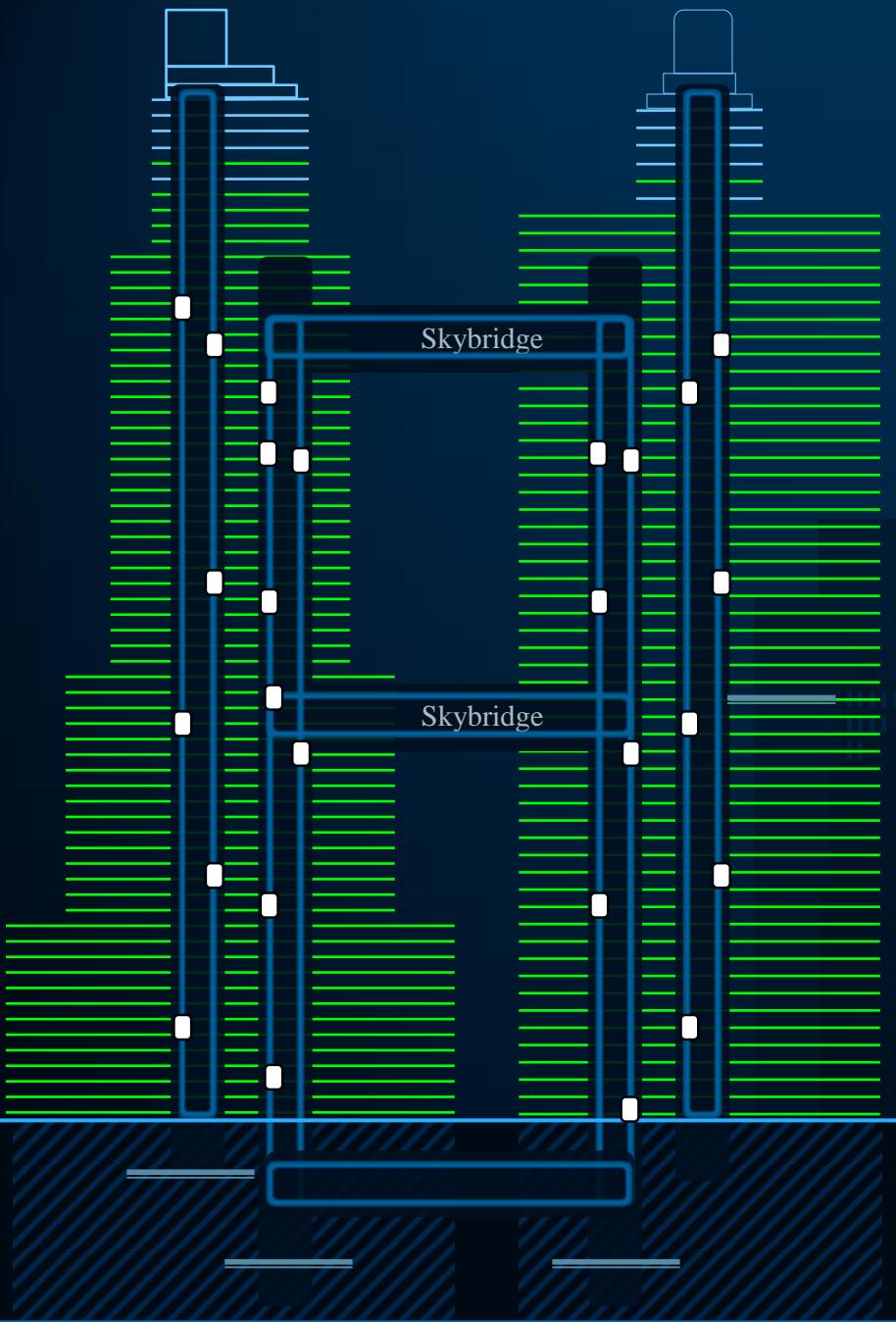


MULTI

Already being
tested & certified



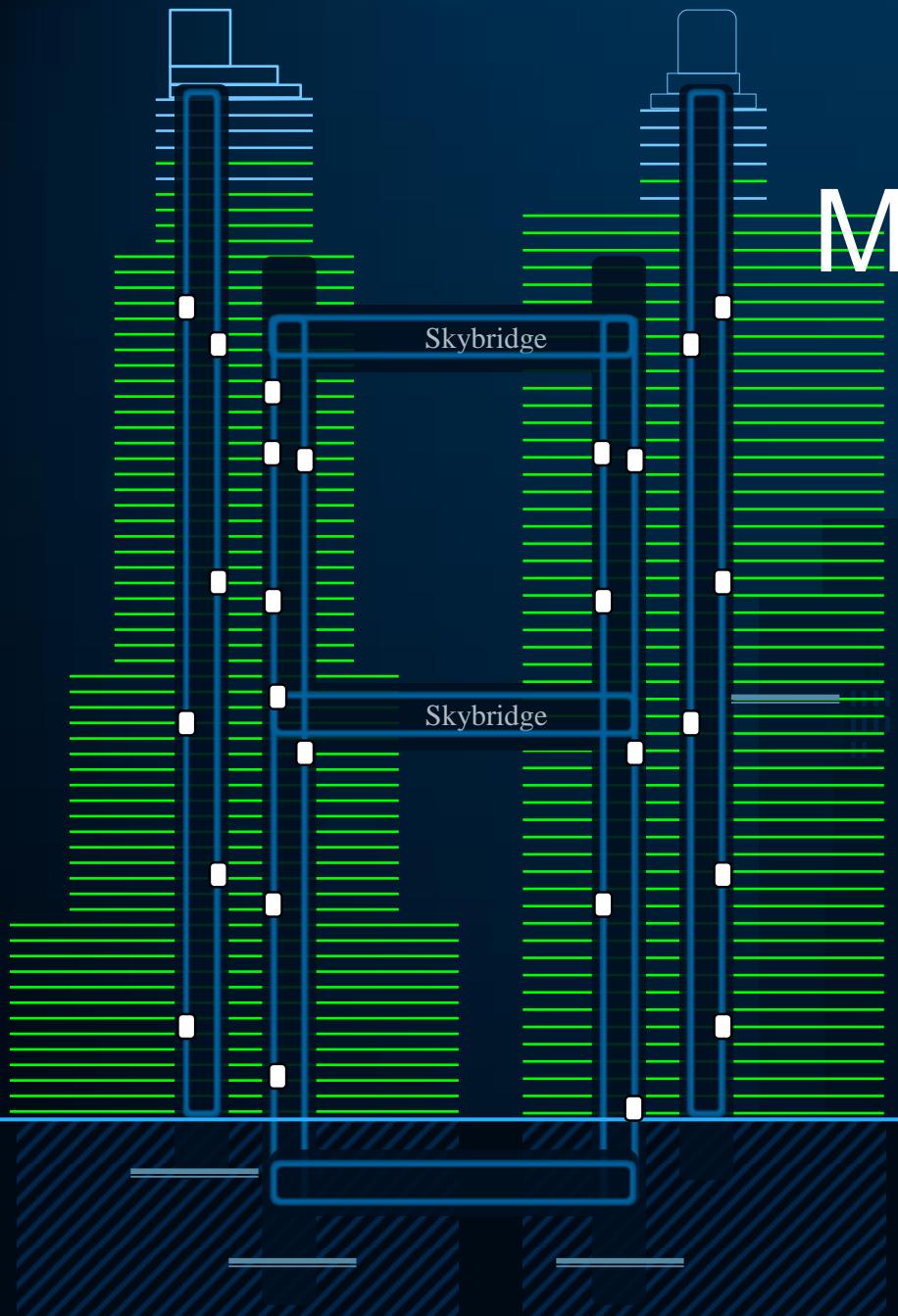




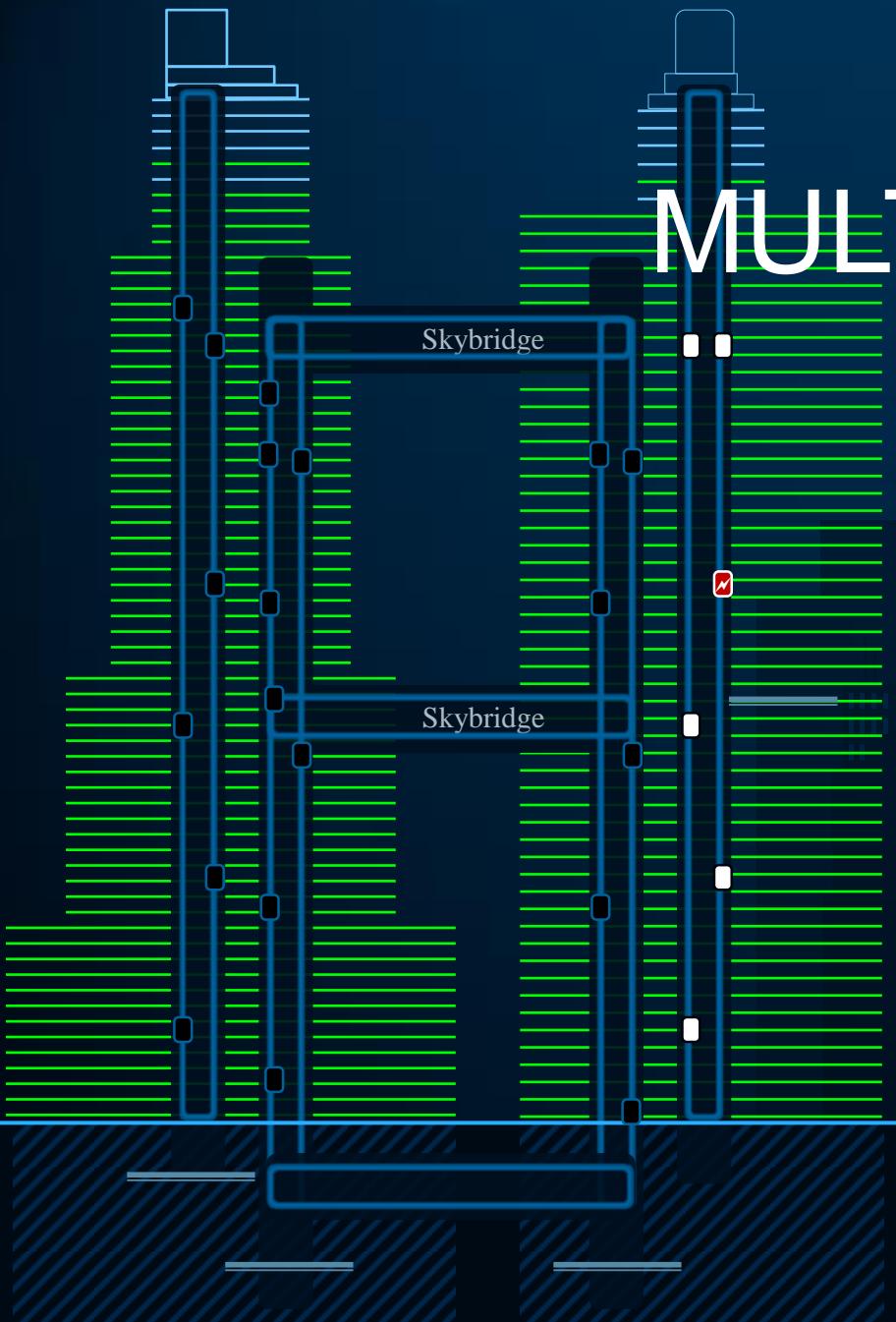
MULTI peak mode



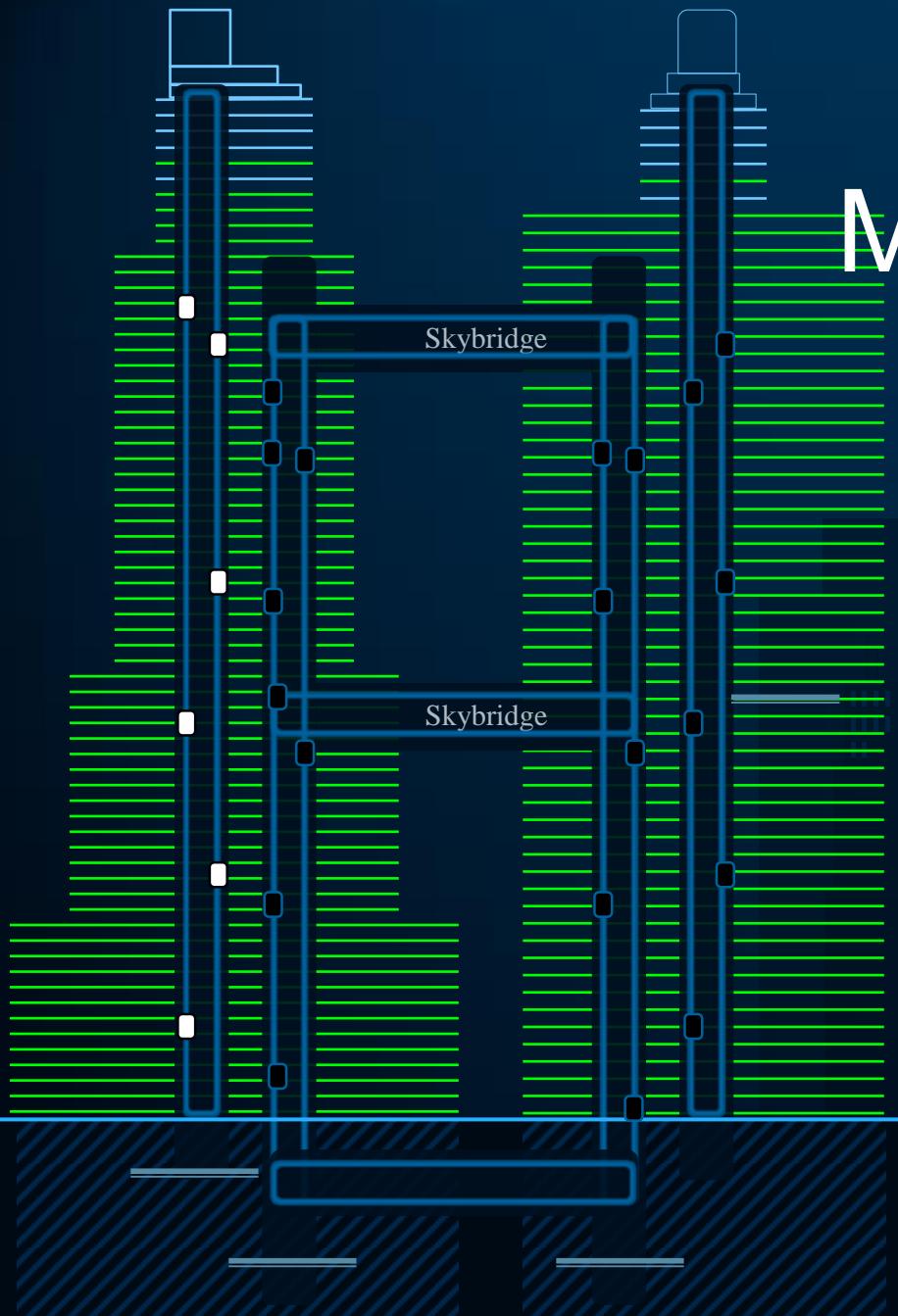
MULTI off-peak mode

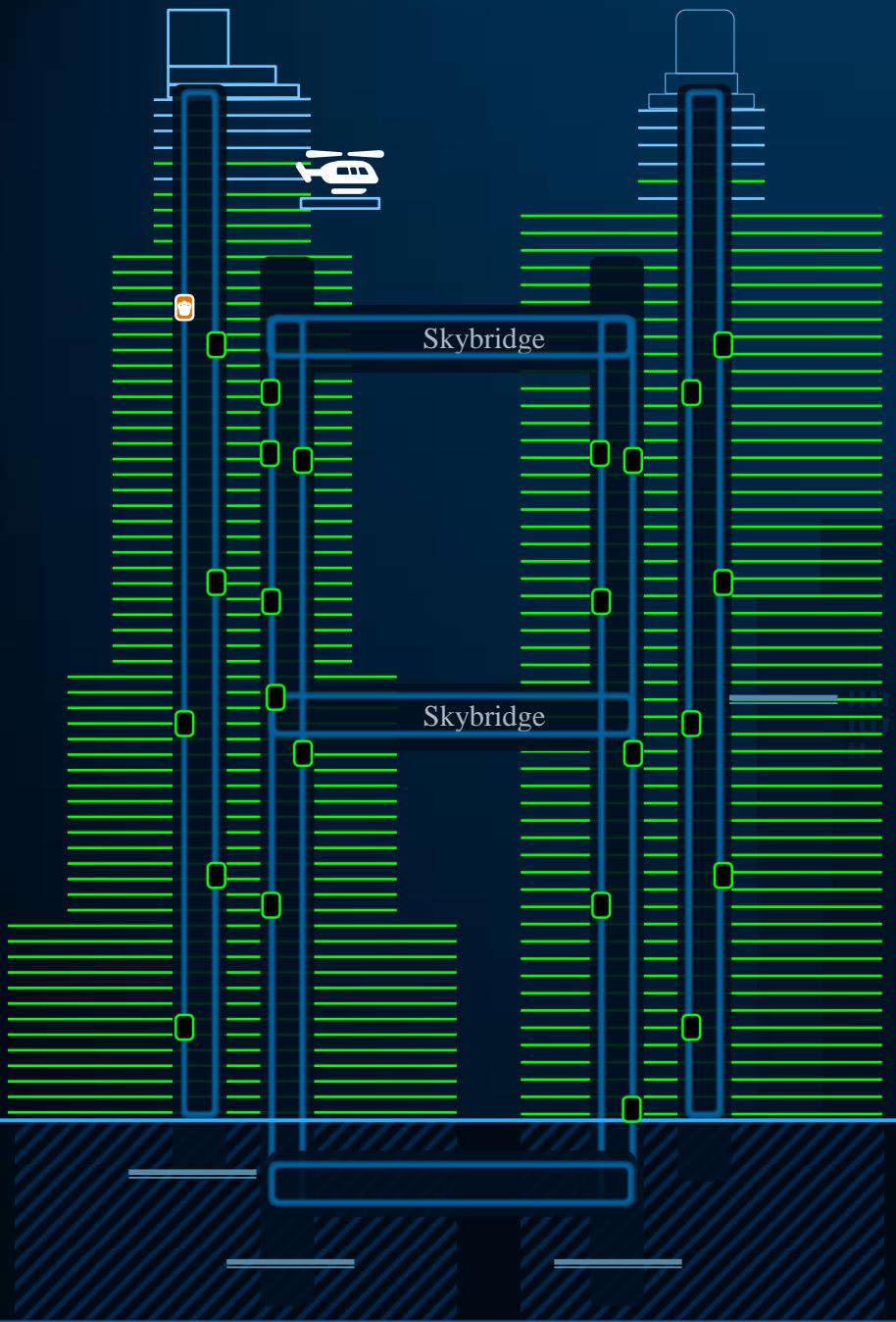


MULTI interruption mode



MULTI subway mode



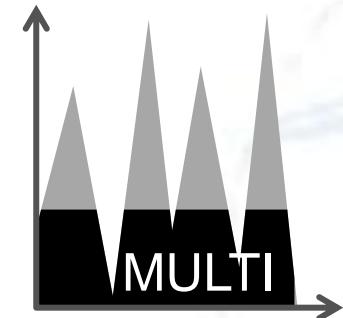


MULTI VIP mode

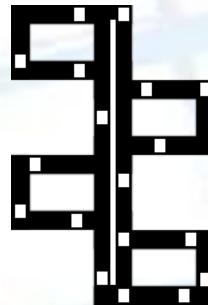




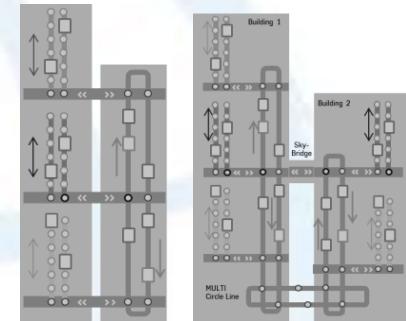
Higher capacity with a building designed for MULTI can reduce elevator footprint by 30 - 50%



Up to 75% reduction in peak power consumption



Effective use of wasted space



No limit in heights & structure

THANK YOU

MERCI



fisuel