Elevator System Design

What happens when you press the up button on an elevator from the 4th floor, while it's already moving down from the 10th floor?





Elevator System Design

"Would you consider all these variables during the elevator system design process?"





Budget-friendly lift for residential buildings.



Designed for low- to midrise residential and commercial buildings.

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Price	From ₹818,021	From ₹979,037
Smooth Landings	<i>v</i>	✓
Energy savings up to 75%	<i>V</i>	✓
Sleep mode	V	v
Zero lubrication	<i>v</i>	v
Smart IoT technology		✓
Big data analytics		v
Advanced monitoring		v
Seamless elevator calling		<i>V</i>
Max Rise	20m	60m
Passenger capacity	up to 408 kg (5-6 p)	up to 1020 kg (>13 p)
Top speed	up to 0.7 m/s	1.0 m/s
Max stops	6	21
Available aesthetics	8	20
Hall fixtures	TBC	Flat and flush
Handrail finishes	Flat only	Stainless steel
Handrail arrangement	Rear or none	Left or Right Hand / Rear
Car operating panels	1	3 variations
Entrance door openings	2	3

Popular Elevator Companies:

- Otis
- Schindler
- Mitsubishi

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TS -> 60PS -> D Principles -> D. Patterns

(SOLID)

System

Design

(LLD)
SEIQUATORS.D

State Stratesi

system Design => Elevator -> HOW many Elevators E. Lar Building. -> Elevotor Request -> Serve (Algorithm) -> floors? - capacity? (7P / 950 bg) Idle - waiting for Request States! Mouing Door Close →

DOON OPON >

Entry | Exit

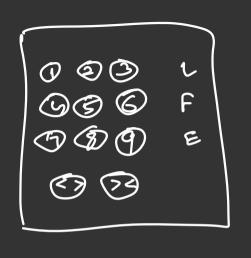


Elevator

Lequesting (Direction)

For Car

(FR Corr Pos → Source)



(raide Elevator

J

e Dostination Floor

(source _ Dostina)

1. Ger will be ossi this Request.

Poor Close

$$(Moving) =) \frac{\text{Serving}}{\text{Cor}(2 \rightarrow 5)}$$

Building -Elevator G copocity 4 Elevotors[] 9 state C) Elevotor >Bost Collection. Monogr Her E. States < ouene S floors. JAG D Door close D 60000 9 C 600 C e base Sor-ElevotorRequest حوم ح c, open SOUTCP G Dostin'

