



**Engineering and
Elevator Services**





About Us

Triton Engineering was established in 2020 as experts in modern vertical transportation and elevation systems in Pakistan.

The brand is synonymous with reliability and comfort as we aspire to deliver perfection using state of the art technology and highly skilled professionals. The technology used at Triton Engineering enables us to provide complete efficiency and dependability in both services and maintenance keeping in view higher temperatures and power outage situations in Pakistan.

Focused on innovating ways of mass people movement in new and existing urban structures, Triton Engineering specializes in modern technology/engineering, as well as mechanical and micro-technology products designed and tested for comfort, efficiency and reliability. We strive to provide the best solutions to our clients.



What We Do

We help architects, owners and builders add value to any building type – from planning, operations and modernization. Our vertical transportation elevation systems are recognized as a benchmark for quality and safety.

Working with a wide array of top quality international brands to choose from we offer variable solutions that can be customized to our client's needs.

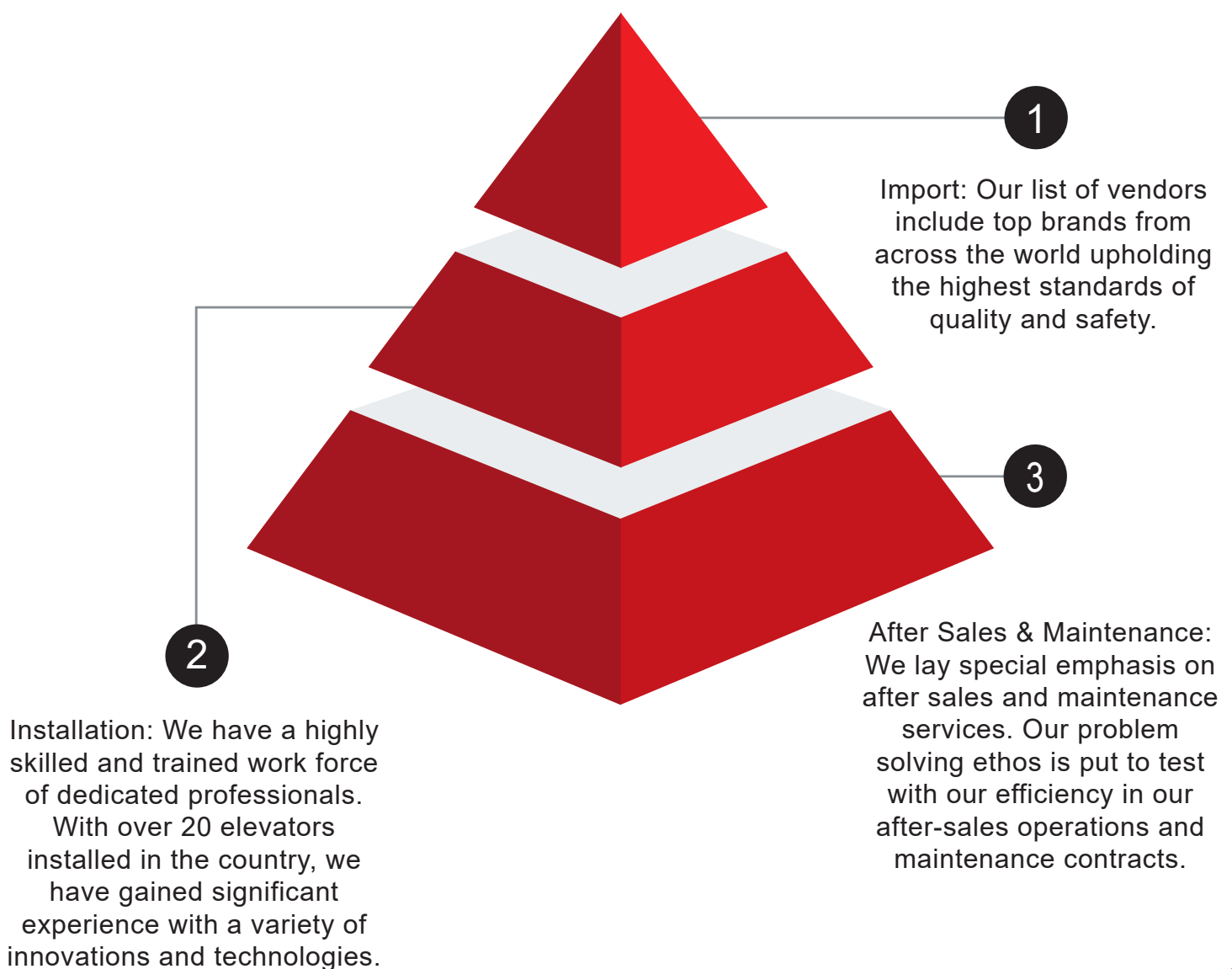




Our Mission

We are dedicated to bringing highest standards of service in each project reflecting in providing products that comply with strict safety laws of the European standard EN 81.1.

Our Process



Passenger Elevator







FJ-JXA07



FJ-JXA18



FJ-JXA19



FJ-JXA23

Hall Position Indicators

ZPIE-C110

ZPIE-C120



ZPIT-H110

ZPIT-H120



ZPID-H110

ZPID-H120



ZPIM-H610

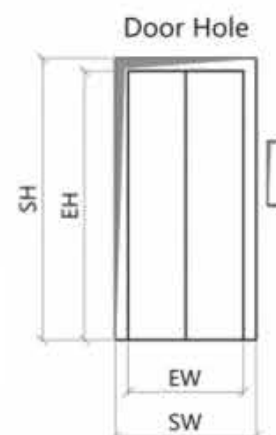
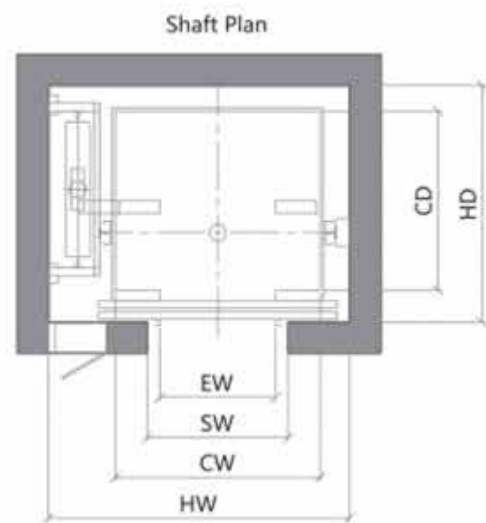
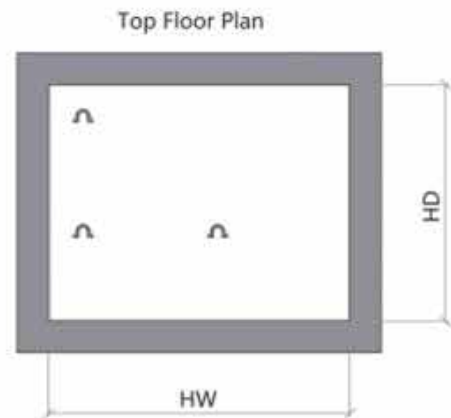
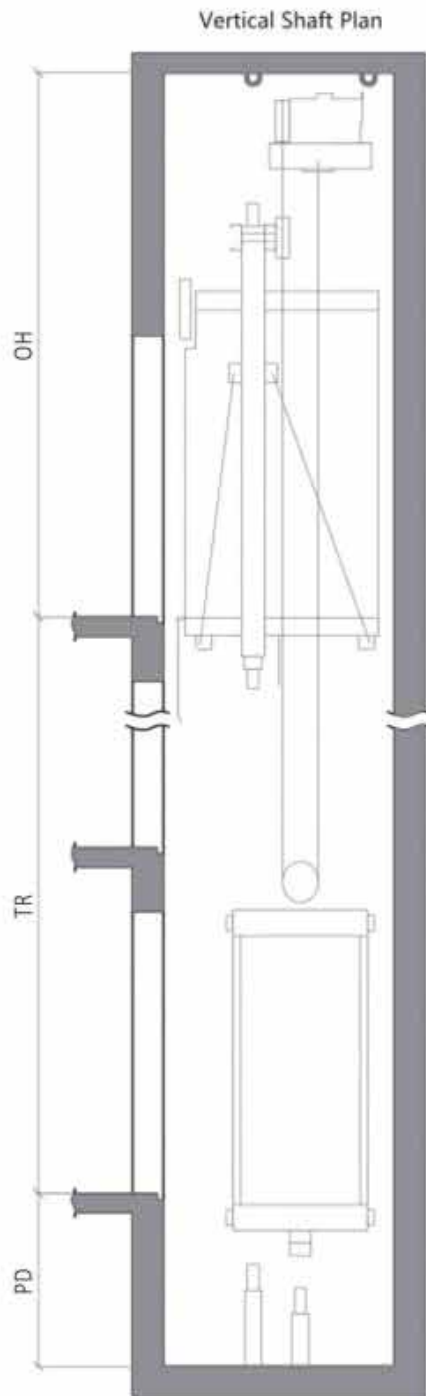
ZPIM-H620



ZPIT-F110

ZPIT-F120

Technical Drawings



Technical Data

Speed	Capacity		Opening		Car Insize		Holstway Size				Machine Room Size				MC Room Reaction Load (Kg)		Pit Reaction Load (Kg)	
	Person	[kg]	Type	Width	CW	CD	Simplex		Duplex		Simplex		Duplex		R1	R2	RC	RW
[m/min]							HW	HD	HW	HD	MW	MD	MW	MD				
60 90	5	400	2p-CO	800	1100	950	1750	1550	3650	1550	2050	3050	3950	3050	3700	2300	5150	3200
	6	450	2p-CO	700	1100	1100	1550	1700	3250	1700	1850	3200	3550	3200	3800	2350	5500	3300
			2P-CO	800	1400	850	1800	1450	3750	1450	2100	2950	4050	2950				
	7	525	2P-CO	800	1400	1000	1800	1850	3750	1650	2100	3150	4050	3150	4200	2800	6200	4500
	8	600	2P-CO	800	1400	1100	1800	1700	3750	1700	2100	3200	4050	3200	4050	3100	6550	4700
	9	680	2P-CO	800	1400	1250	1800	1850	3750	1850	2100	3350	4050	3350	4900	3400	6550	4700
	10	750	2P-CO	800	1400	1350	1800	1950	3750	1950	2100	3450	4050	3450	5400	3850	7800	5500
	11	900	2P-CO	900	1800	1350	2000	1950	4150	1950	2300	3450	4450	3450	5750	4100	9400	6550
	13	1000	2P-CO	1100	1600	1400	2350	2000	4850	2000	2650	3500	5150	3500	6150	4600	9950	6900
			2P-CO	1100	2100	1100	2550	1750	5250	1750	2850	3250	5550	3250				
			2P-2S	800	1100	2100	1850	2550	3850	2550	2150	4050	4150	4050				
	15	1150	2P-CO	1000	1800	15R00	2250	2100	4650	2100	2550	3600	4950	3600	9400	7750	12300	8750
	17	1250	2P-CO	1100	1950	1400	2600	2050	5350	2050	2900	3550	5650	3550	10000	8250	13600	9500
	21	1600	2P-CO	1100	1950	1750	2600	2600	5350	2600	2900	4100	5650	4100	11600	8700	15400	11600

(Unit : mm)

Speed	Overhead [mm]	Pit Depth [mm]	Machine Room Height [mm]	Remark
60	3800	1500/ (1200)	2200	() : Urethane buffer
90	3900	1600	2400	

Technical Features

Feature	Description
Automatic Turn Off of Car Light and Fan	Car illumination and fan are turned off automatically incase there is no hall call or call to save energy
By Pass Operation (80%)	If the actual load comes to more the 80% of the allowable maximum load, the elevator will not react to the calling signals from othe passing floors
Overload (110% of Rated load) Holding Stop	When the load of passengers exceeds the maximum capactiy, a buzzer sounds and the elevator remains stopped at that floor. When the passengers get off the buzzer will stop. Consequently elevator doors will close and operation continues
Anti Hall Button Jamming	If landing door would not close by a hall button's jamming and it is caused car cant start then, the floor will close in force by the command from controller so that the car service next calls.
Door Reopen Beam	While the car door is closing, if a door reopen signal is occured the door will be reopened immediately and after specified time expired thedoor will close again.
Car Door Safety Edges	The dvice enables the doors to return to the fully open position, should the door encounter a person or obstacle while closing
Safety Drive Operation	During Normal Operations, a malfunction is occured suddenly but its not serious, in this case, if the car is not in a door zone then the car starts to run to the nearest floor in slow speed. After stopping at the nearest floor, the case remains stop with the door fully open and "Out of Service" lamp.if the car condition is possible to return a normal condition itself then. the car can service normal operation again
Door Photo Sensor	The door will return to fully open position if the light ray unit detects an obstacle when the doors are closing
Multi-Photo	When passengers are entering or getting out of the elevator, the multi-photo device will prevent door from closing.
Parking Operation	In order for park the elevator, if the parking key is on position the car stops at the specified floor after finishing of service of all registered calls. the car light and fan are automatically off and every button both on the car operating panel and the hall box buttons are no more responsive.
Forced Floor Stop	After service on specific floor stop by car call, the car is operated normally.

Completed Projects

Completed projects listed as below:

Project Name	No. of Units
FAYSAL Bank (Abdullah Haroon rd.)(Karachi)	3 Elevator Units
Tricon Tower (Gulberg) (Lahore)	4 Elevator Units
Mumtaz Shah Nawaz (Gulberg)(Lahore)	3 Elevator Units
Volka Food (Bahawalpur Bypass)(Lahore)	2 Elevator Units
Mukhtar Memorial Hospital (Multan)	9 Elevator Units
Wah General Hospital (Wah Cantt.) (Islamabad)	4 Elevator Units
Decent Builders (F10) (Islamabad)	1 Elevator Unit
Citizens Club (I8) (Islamabad)	1 Elevator Unit
Mall of Gujran walla (Gujjranwalla)	1 Elevator Unit
Deputy Commissioners Office (South, East & central) (Karachi)	10 Elevator Units
District Sessions Court (Korangi)(Karachi)	4 Elevator Units
Sindh Government Hospital (PIB Colony, Landhi, Baldia & Ancholi) (Karachi)	7 Elevator Units
Population Control Dept. (Scheme 33) (Karachi)	2 Elevator Units
National Institute of Child Health (Karachi)	2 Elevator Units
South City Hospital (Clifton) (Karachi)	2 Elevator Units
Judges Studio Apartments (Bath Island) (Karachi)	4 Elevator Units
Karachi Haleem (Defense) (Karachi)	2 Dumbwaiters
Home Lifts (Falcon Society, defense) (Karachi)	5 Elevator Unit
Faisal Bilwani Architect (Bukhari commercial)(Karachi)	1 Elevator Unit
Agha Steel (Phase 2 EXT)(Karachi)	1 Elevator Unit
Fawad Eye Clinic (Gulshan)(Karachi)	1 Elevator Unit
Novartis Pharma (Shersha) (Karachi)	1 Elevator Unit
Meezan Bank HQ (Sher Sha) (Karachi)	2 Elevator Units
NHS Towers (Naval Housing Scheme Phase IV Shahra e Faisal) (Karachi)	24 Elevator Units
Lahore International Airport	1 Elevator Unit
Karachi International Airport	4 Escalator Units
Cybernet (Khe Muslim) (Karachi)	1 Elevator Unit
Pakistan Stock Exchange (Lahore)	2 Elevator Units
Pakistan Ordinance Factory (Taxila)	2 Elevator Units
District Commissioner South Club House (Saddar, Karachi)	1 Elevator Unit





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