



Machine Room Less



YZER-1

*Value
Proposition*



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What's 'YZER-1' !

Part 1 : NEW TECHNOLOGY

Part 2 : SPACE OPTIMIZATION

Part 3 : SMART INTERIOR DESIGN



The pioneer of MRL elevator

In 1999, Hyundai Elevator introduced the first MRL (Machine Room Less) elevator in Korea.

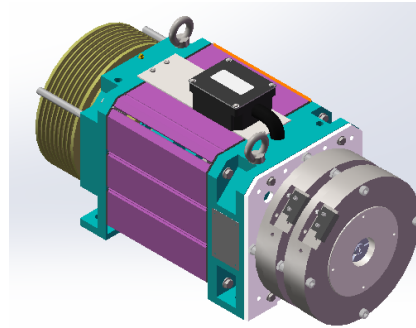
And in 2015, the company rewrote MRL history with an introduction of YZER-1 which is newly designed and upgraded for the new era of MRL elevator.



1. Traction Machine



YZER-1



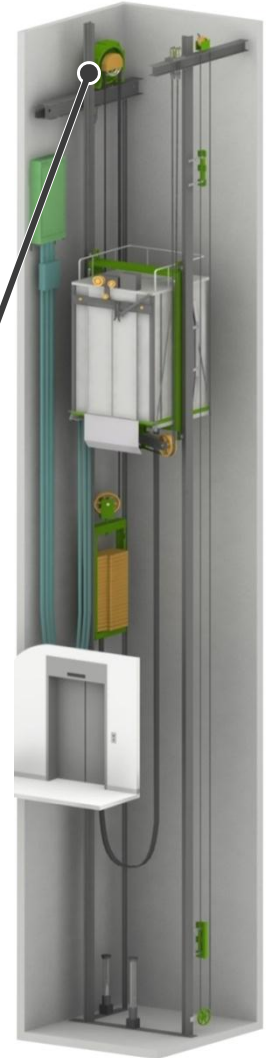
Pencil type new MRL machine



Current machine (Pan cake type)

SSVF-WP[SSVF9]

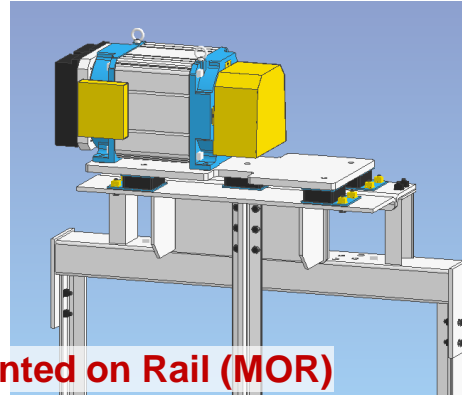
- ✓ *More Compact & Smooth Driving*
- ✓ *Low Noise & Fit for MRL system*



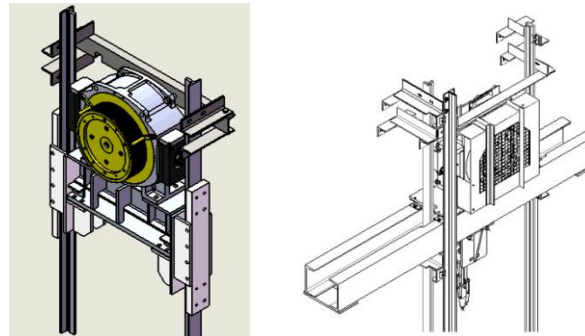
2. Machine Foundation



YZER-1



Mounted on Rail (MOR)



Mounted on Rail (MOR)
& Mounted on Beam (MOB)

SSVF-WP[SSVF9]

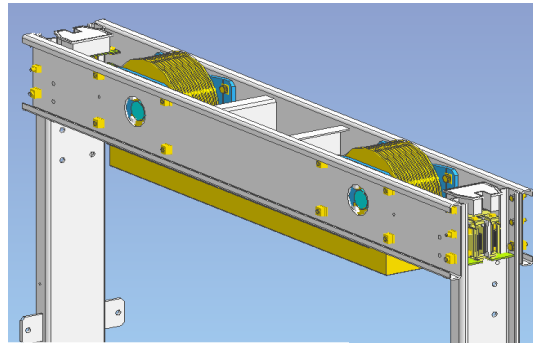
- ✓ *Beam Sleeve not necessary.*
- ✓ *20% Shorter Installation Period*
- ✓ *Simpler structure*



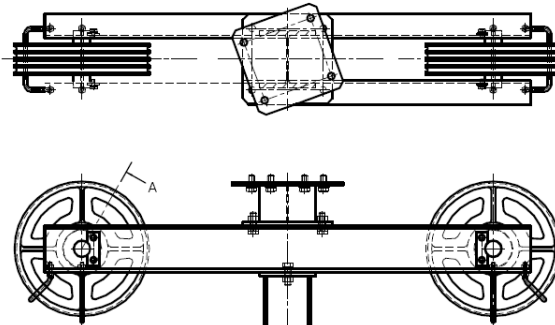
3. Platform Structure



YZER-1



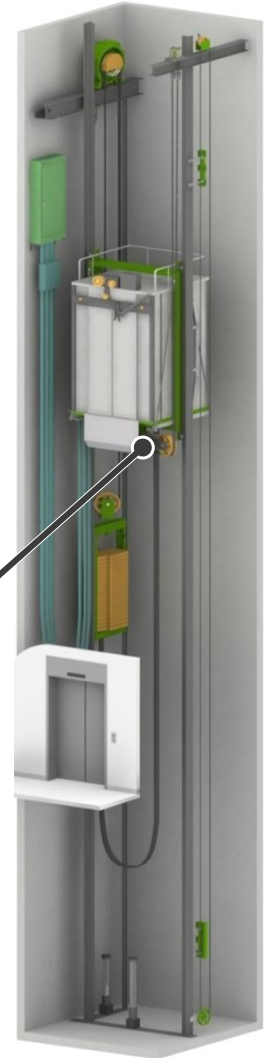
Overslung (Top Beam)



Underslung (Bolster)

SSVF-WP[SSVF9]

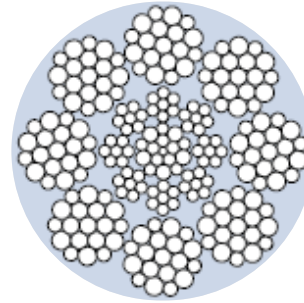
- ✓ Reduce Pit Depth
- ✓ Reduce Noise



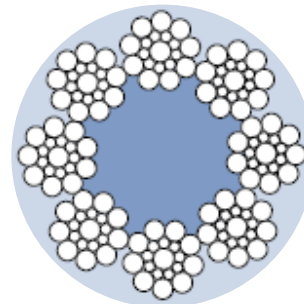
5. Wire Rope



YZER-1



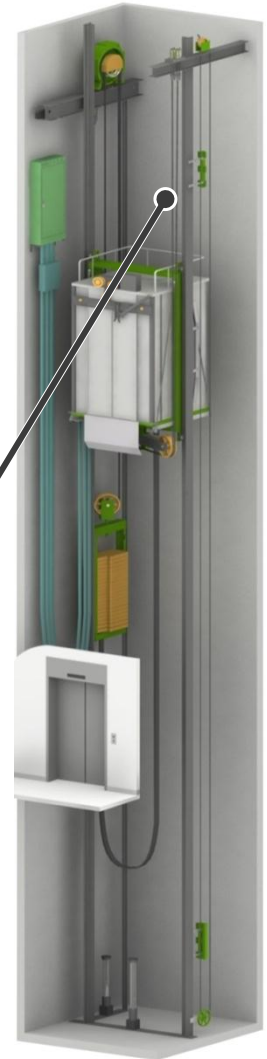
IWRC* (8mm)



Fiber Core (10mm)

SSVF-WP[SSVF9]

✓ *More space & Compact System*



IWRC* : Independent Wire Rope Core

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Part 2 : SPACE OPTIMIZATION

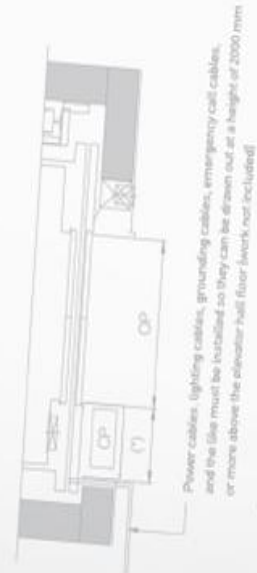
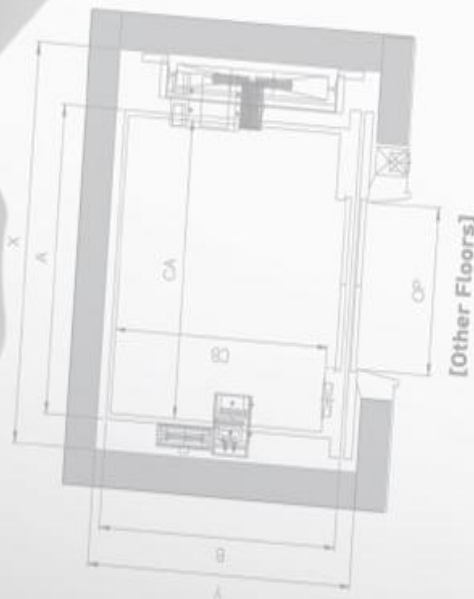
Part 3 : SMART INTERIOR DESIGN



Minimal Space, Maximum Value !!

Hyundai Elevator's leading technical experts have achieved the minimized hoistway size for Yzer-1.

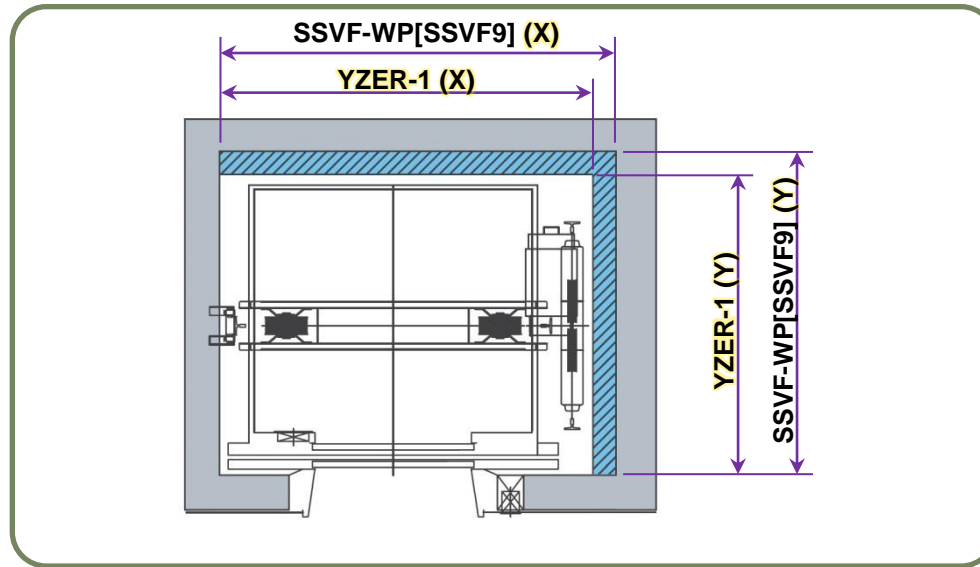
The end results are more efficient use of building space, lower construction costs, and easier maintenance.



Power cables, lighting cables, grounding cables, emergency call cables, and the like must be installed so they can be drawn out at a height of 2000 mm or more above the elevator full floor (work not included)

[Top Floor (Control Unit Floor)]

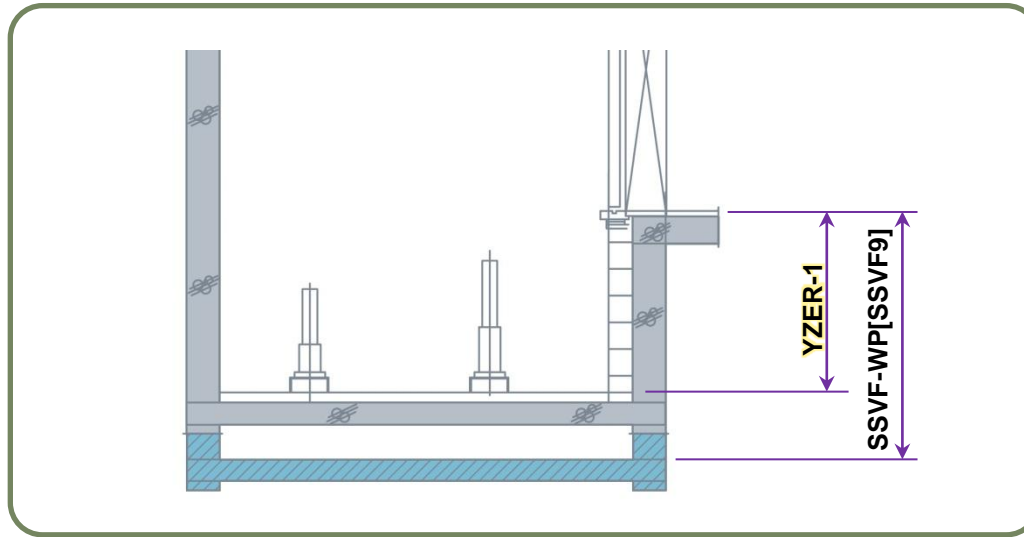
1. Hoistway Size



Capacity	SSVF-WP[SSVF9]	YZER-1	Saved Area
1000 kg	(X) 2200 mm	(X) 2200 mm	8 %
	(Y) 1900 mm	(Y) 1750 mm	



2. Pit Depth



Capacity	Speed	SSVF-WP[SSVF9]	YZER-1	Reduction
450~1150 kg	60 m/min	1600 mm	1200 mm	400 mm
	90 m/min	1800 mm	1300 mm	500 mm
	105 m/min	2000 mm	1400 mm	600 mm



3. Comparison with competitors

SPECIFICATION

- Capacity : **1000kg**
- Speed : **60m/min**
- Car Inside : (W)1600mm x (D)1400mm
- Entrance : (W)900mm x (H)2100mm – Center Opening

(UNIT: mm)

	Hyundai (YZER-1)	Schindler (5500 MRL)	OTIS (Gen2)	Thyssen Krupp (Synergy)	Mitsubishi (NEXIEZ)
Hoistway Width	2200	2150	2150	2200	2215
Hoistway Depth	1750	1700	1800	1700	1720
Overhead	CH+1400	CH+1250	CH+1372	CH+1230	CH+1450
Pit Depth	1200	1100	1200	1150	1300



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Sensitive elevator with human interaction

Hyundai Elevator places top priority on users' preferences because we believe that an elevator is more than a machine for moving people.

Harmonizing technology with artistry to achieve the perfect blend of beauty and comfort: this is the design philosophy behind Hyundai Elevator's Yzer-1.



1. Key Features & Green Technology

ULTRA SLIM LED CEILING

Higher Ceiling Height
Lower Energy Consumption
Long-Life



轿厢内往轿门方向看



2. Design Collection - Option

DELUXE BLACK



DELUXE BRONZE



3. Yzer-1 Family Look

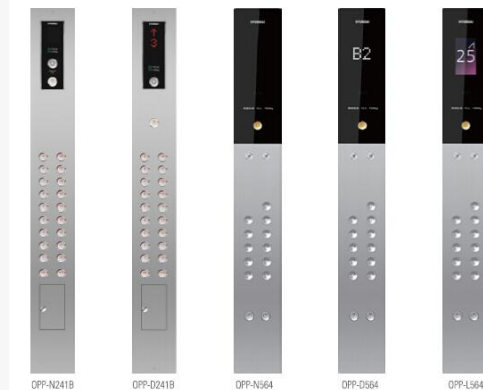
HALL BUTTON



HALL INDICATOR



CAR OPERATING PANEL



OPP-N241W(Handicapped)

4. Optional Functions

SECURITY SYSTEM (CARD KEY)



LIGHT CURTAINS DOOR SAFETY



For your successful business,
Hyundai Elevator is always ready
to accept your requirements.

THANK YOU

 **HYUNDAI ELEVATOR**