



NIPPON
E L E V A T O R



*E*co-i elevator 

NIPPON





About Us

Here in Nippon Lift,
everything matters!

Established in Penang, Malaysia, Nippon Lift Industry Sdn Bhd is a leading elevator company led by a team of elevator and escalator specialists experienced in both the local and international lift market.

From manufacturing, assembly, and shipping, to installation, testing and servicing, Nippon Lift provides both machine and machine roomless types for passenger lift, observation lift, goods lift, hospital lift, home lift, and customized lift, with speeds ranging from 0.5m/s to 4.0m/s. We also offer custom upgrades and maintenance services.

Our factory features a showroom, an elevator assembly area and an R&D center dedicated to control system software development. In order to facilitate better services for our clients, we have developed a series of training for agents, distributors and dealers.

In Nippon Lift, our designers, engineers, assembly and manufacturing staff are committed to make the best elevator available. No matter what are your requirements of ideas, we can design an elevator system that will fit perfectly in your building plans.

Eco-i elevator

Elevators of the future - right at your fingertips.

Elevators can account for a significant portion of the electrical energy consumption in a building. With the soaring prices of electricity, builders tend to eliminate energy wastage to reduce the building operating cost.

To meet such demands, Nippon Lift Industry is proud to present its latest development: NIPPON eco-intelligent Elevator, one of the most ecologic and intelligent elevator that can be fully-customized to meet any architectural needs.

Ecologic 

Ecologic in using
the energy.

Intelligent in
serving the user.

Intelligent 

Customization 

Customized to
meet your needs.



Ecologic in using the energy.

**Less Energy, Smoother Ride.
Permanent Magnet Synchronous
Gearless Machine.**

Most of the electrical energy consumed in an elevator is on the traction machine. Thus, by using permanent magnet synchronous gearless machine, the energy needed to drive the elevator is much lesser compared to a traditional geared induction motor type.

Furthermore, this gearless direct drive machine requires zero maintenance on gear and oil, so the torque, noise and heat are greatly reduced and smoother ride is achieved. Ultimately, carbon dioxide is further reduced.

**No Wastage. VVVF Inverter
Controlled.**

This is the most energy efficient elevator controlling system by converting line power to variable voltage variable frequency to suit exact load and speed, thus

energy are consumed proportionally without any wastage.

**Low Maintenance. LED Lighting,
Display and Indicator.**

By replacing conventional incandescent light bulb with LED (Light-Emitting Diode), power consumption for lighting an elevator cabin is greatly reduced by 50%. Temperature inside elevator cabin is lower when heat generate by conventional light is removed by using LED. And because of longer life span, cost of maintenance is also lowered when LED is widely used for elevator lighting, display and indicating devices.

**Higher Efficiency. PM Motor Door
Operator driven by VVVF Inverter.**

Instead of using induction motor, smoother and responsive door opening and closing operations are achieved by using permanent magnet synchronous motor controlled by inverter, and the energy consumption is lesser that results in higher efficiency.

1970 2009

Motor	Induction Motor			Permanent Magnet Motor	
Traction machine	Worm Geared			Gearless	
Motor drive	AC2 control	ACVV ^{*1} control		VVVF ^{*2} control	
Control circuit	Relay		Microcomputer		
Power consumption	100%	93%	74%	37%	30%
CO ² emissions (kg/year)* ³					1610



Operational Energy Optimization. With Advanced Load-Speed-Group Control.

The speed of the elevator will be maximized when the load of the car is lesser than the counterweight when travelling upwards or when the load of the car is greater than the counterweight when travelling downwards.

Vice versa, the speed of the elevator will be minimized when the load of the car is greater than the counterweight when travelling upwards or when the load of the car is lesser than the counterweight when travelling downwards. And when there are more than one elevator are in operations, hall calls will be registered and managed by assigning the most suitable elevator that would consume the least energy.

Smart Power. Energy Regenerator.

When the elevator is travelling upwards lighter than the counterweight or when the elevator is travelling downwards heavier than the counterweight, the energy that generated from the traction machine can be restored and reused by integrating an additional power feedback device.

Energy Saving. Fan and Lighting Auto Shut Off.

If there are no calls for a certain preset period, the car ventilation fan and lighting will automatically be turned off for energy saving.

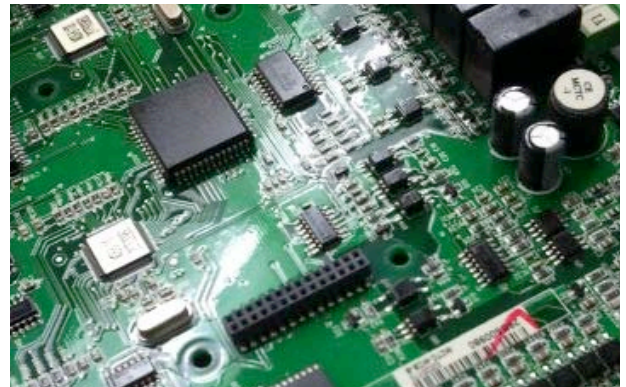


Intelligent

Intelligent in serving the user.

User Recognition. User Recognition → Car Allocation → Call Registration.

This VIP features allowed the authorized user to be recognized when entering a building and at the same time allocating the pre-assigned lift to standby at the lobby in advance for access. Car call can even be pre-registered so that the VIP user can be travelled to the pre-designated floor hands free and smoothly without interruptions from other hall calls.



Breathe Easy. Automatic Air Circulation and Temperature Control.

Although a blower fan is installed to ensure good ventilation, additional air cleaner device can be installed for fresher air inside the cabin. Desired temperature can also be achieved by installing a special air conditioning unit.

Cancelled Calls at the Right Time. Automatically Bypass Full Loads, Cancelling Error Calls and Nuisance Calls.

When the load of the car reaches maximum capacity, hall calls will be ignored so to reduce unnecessary stops and thus shorten the travelling time. And when the floor button is mistakenly pressed, it can be de-registered by pressing the button twice. But when nuisance call is detected, than all car calls will be cancelled to avoid unnecessary stops that wasting time.

24/7 Remote Monitoring. Operations Monitoring.

The status of the elevator such as floor position, running state and etc. can be remotely monitored 24/7 to ensure all elevators are in operations and is taken care at all time.

Full Height Door Sensor & Indicator. Smarter Door Operation, Safer Boarding and Alighting.

Highly responsive full heights beam sensor is installed at the car entrance for smarter door operations. Illuminated indicator can also be integrated along the entrance jamb for clearer indication so that user can easily distinguish the arriving elevator, and be alerted when the elevator door is about to open and close.

Standby Power. Standby Power for Nearest Landing during Power Failure.

During power failure, the elevator will use its backup battery to drive the elevator to the nearest floor, open the door and shut down its operation so that no users are trapped.

Emergency Lighting & Rescue Phone. Emergency Lighting and Rescue Phone Auto Dialing.

During power failure, emergency lighting will be illuminated and preset rescue phone number can be automatic dialed through the building phone line so that the communication can be established between the user and the relevant party.

Emergency Preset Operation. Fire/ Flood/Earthquake Emergency Preset Operation.

When the signal of fire or flood or earthquake is sent to the controller system, the elevator will immediately activate its preset operation to facilitate the authorized party.





Customization

Customized to meet your needs.

Bigger, Higher, Wider.

**Bigger Cabin Size, Higher Ceiling
Wider Door**

Extra Room. More Space.

**Limited Shaft Size
but Maximum Cabin Space.**

Large Yet Quick.

**Larger Capacity
Higher Speed**

Custom Made Finishing.

**Custom Made
Interiors & Finishes**

Traction.

**Top Traction
or Bottom Traction**

Your Choice.

**Mini Machine Room
or Machine Room-less**

Door Openings.

**Multiple Door
Openings**

Suits You Best.

**Customized Solution
for Any Application**

Project Reference

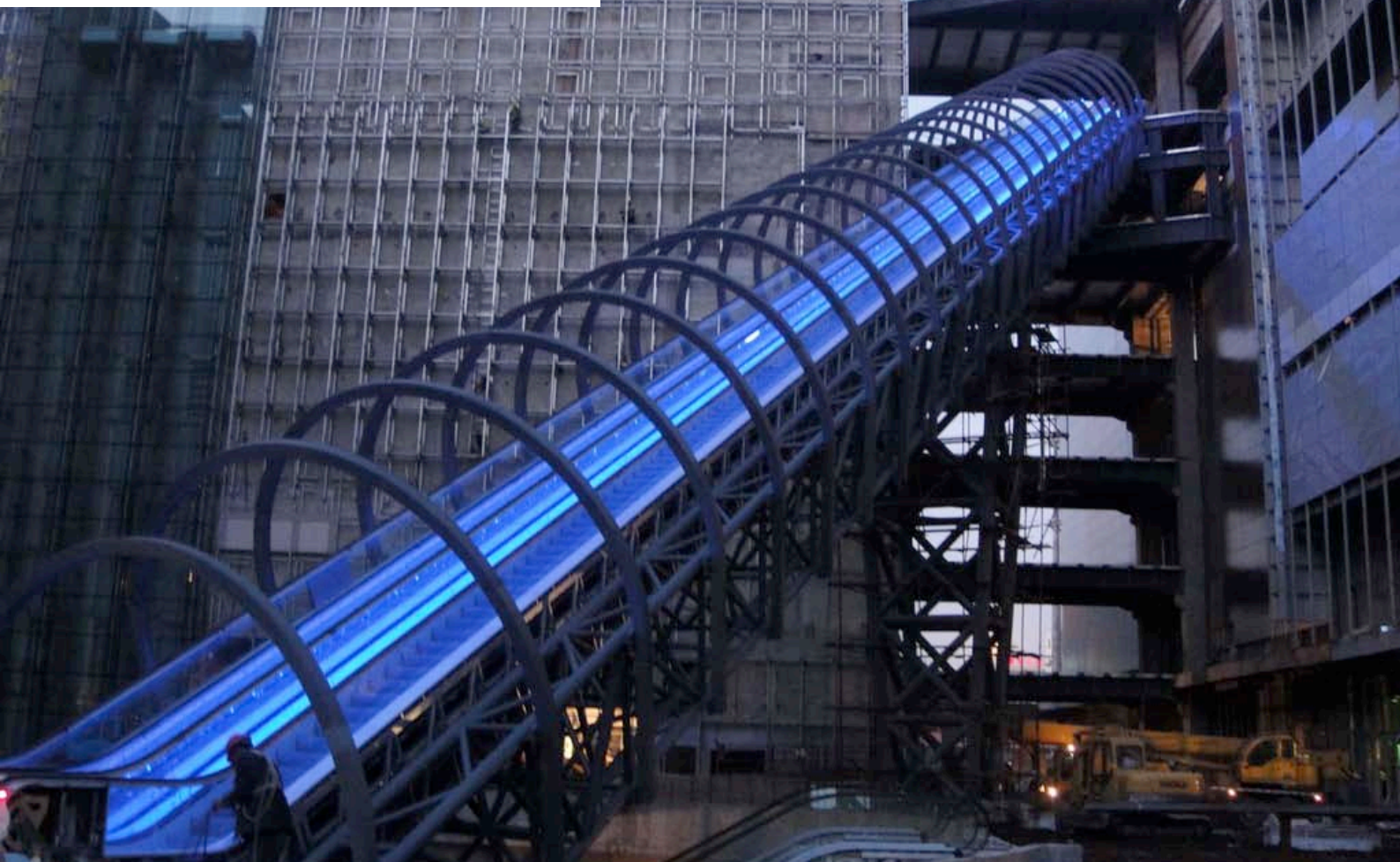


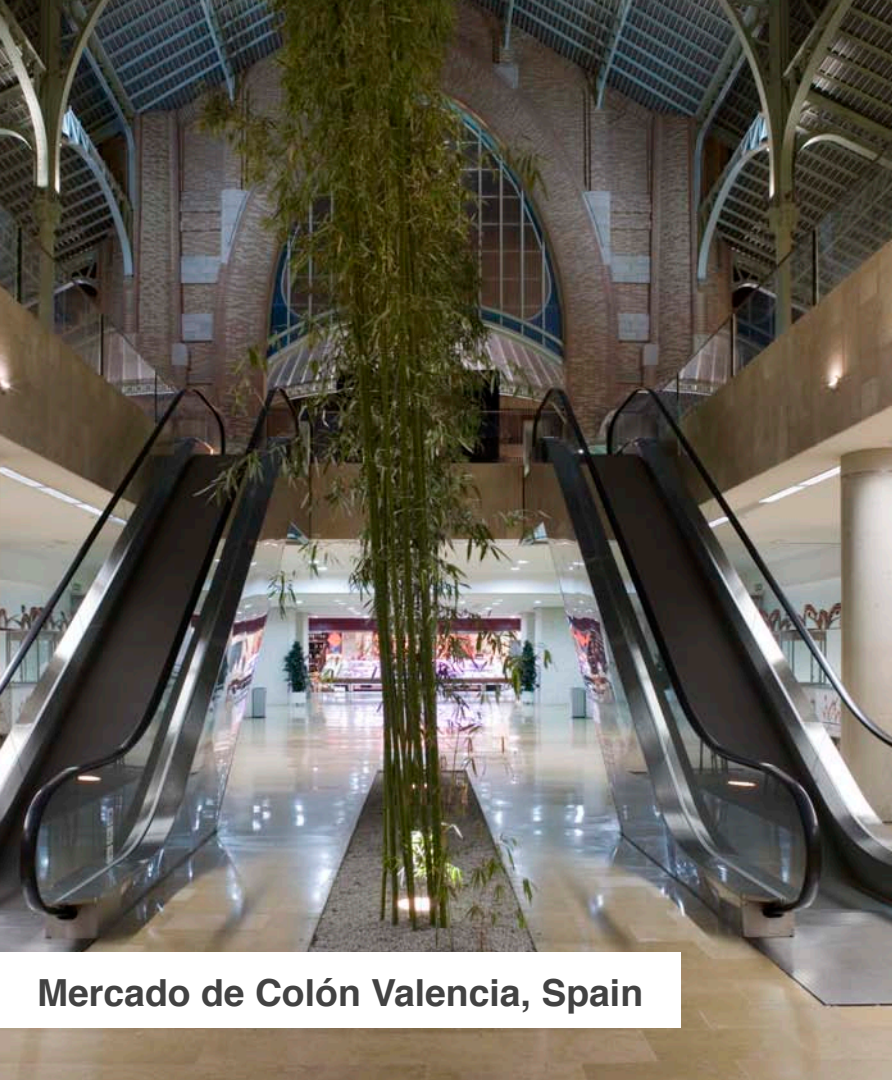
Xiamen High Speed Elevator

Louis Vuitton Boutique Plaza 66



Shenyang Outdoor 33.5 metres





Mercado de Colón Valencia, Spain



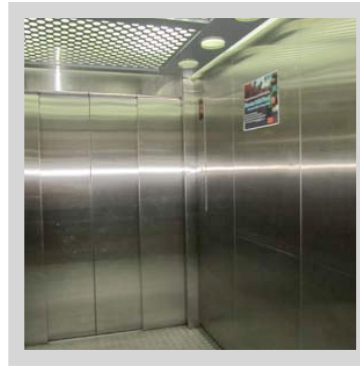
Home Depot Makati Philippines



Louis Vuitton Boutique Shanghai



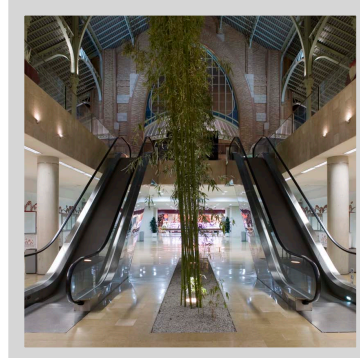
Home Lift



Goods Lift



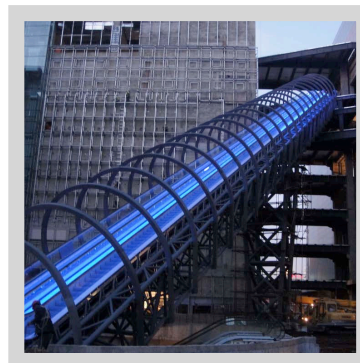
Passenger Lift



Indoor Escalator



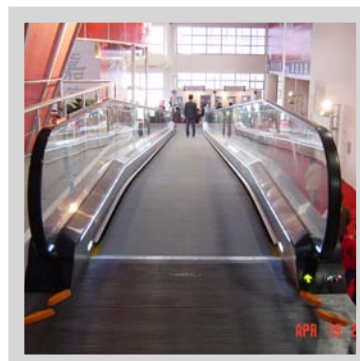
Observation Lift



Outdoor Escalator



Hospital Lift



Travelator



Industrie Service





“Where Everything Matters”

Nippon Lift Industry Sdn Bhd (790778-U)

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