



# OMEGA Modernisation

We know your elevator best!



' We Safely take you to heights with great delight '



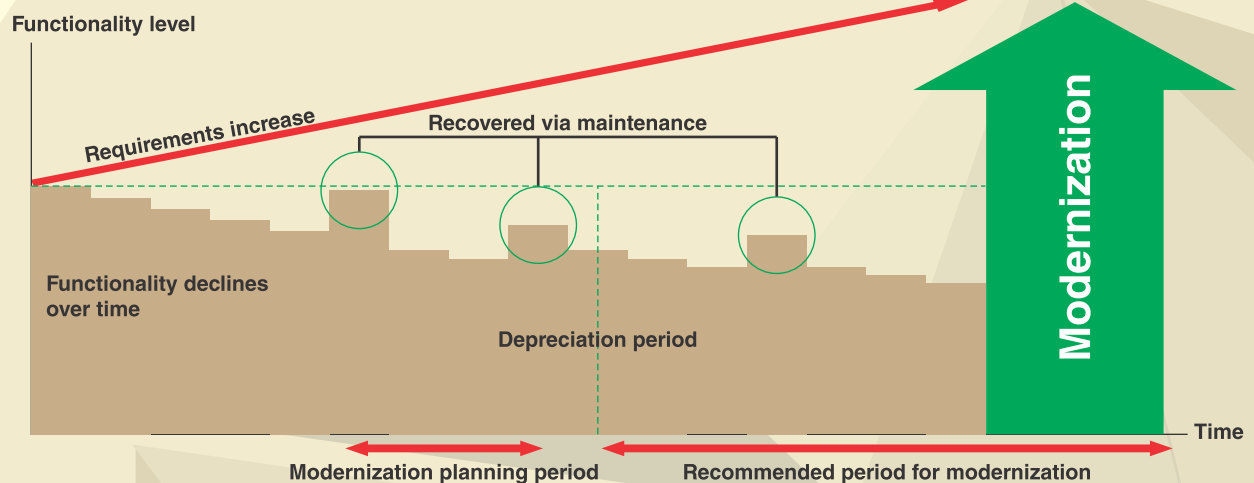
# Why modernize?

Modernization enhances and ensures the smooth operation of the elevators. This process improves the performance of the elevator by enhancing the efficiency, reliability and safety of the equipment thus saving money in long term as maintenance and energy costs are taken care of.

Omega aims at providing safety, comfort and aesthetic appeal to an elevator through modernization. It improves the performance, energy efficiency and maintains the flow of passengers with minimum disturbance and maximum availability making it convenient for building and facility managers as well as passengers.

Modernization is a profitable investment as the renovated design is capable of saving energy by providing more capacity, better accessibility, safety and reliability. It also provides intangible benefits of renewed and improved appearance and a superior level of comfort.

## Lifecycle of an elevator

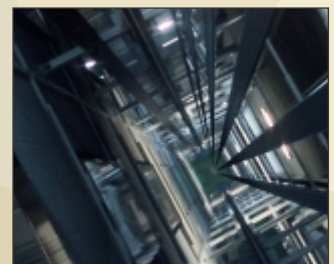


## Elevator / Lift Modernization

Omega offers a range of solutions to suit the requirements of the client

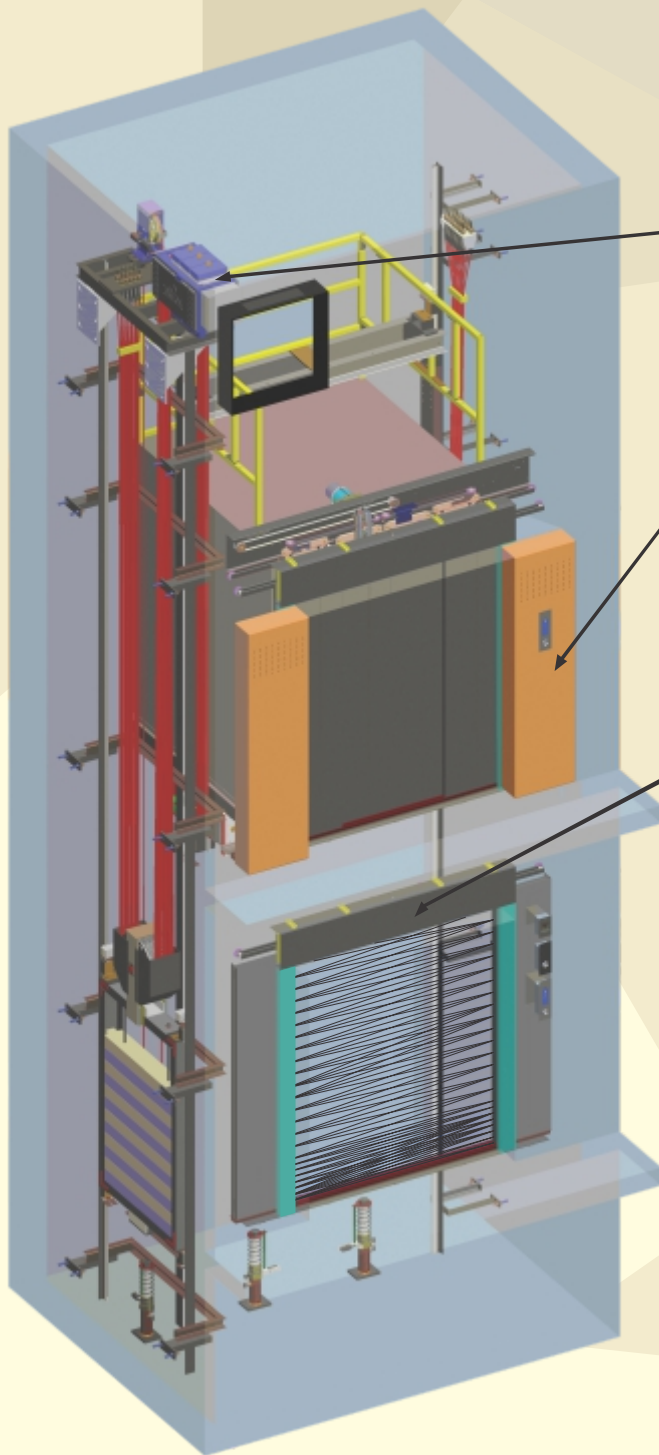
- Minor repairing
- Modular Modernization of single or multiple components
- Full replacement

These solutions are designed to make the process of modernization hassle free, time bound and in a much cost effective manner.





# Modernization



○ **Gearless machine with double brakes :**

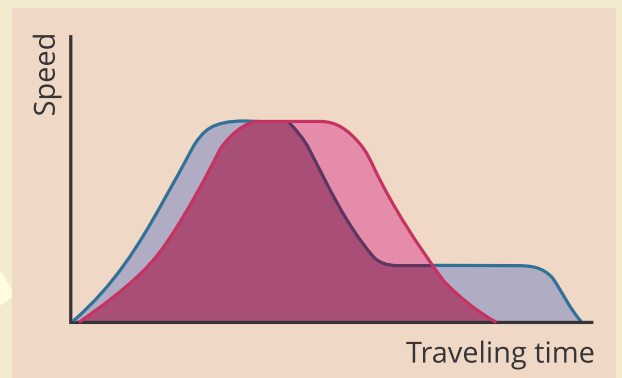
- Improved design with more than 40 % power saving compared to geared machines
- Oil free operation
- Ecofriendly technology for green buildings

○ **Control panel with VVVF drive :**

- Energy saving in combination with gearless machines
- Travelling time reduced by upto 20 %
- Smooth ride with perfect levelling
- Collective / selective with microprocessor / PLC control

○ **Door operator with doors :**

- Doors with multi beam infrared sensing for enhanced safety
- Redundancy in case of door sensor failure



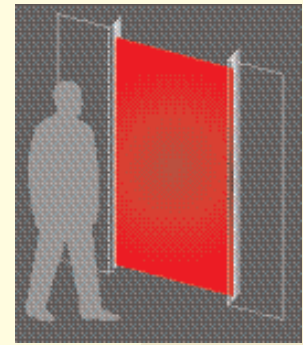
— VVVF    — VVVF with creepless - direct landing

## Safety – First and Always

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At Omega, we believe in maximum safety features which minimize potential risk and bring peace of mind for its users by confirming to local regulations.

One of the safety features provided by us is the elevator light curtain and redundancy of its failure as well. Installation of this feature secures risk of any body parts getting caught in between the doors. We aim at providing uncompromising and latest safety standards thus ensuring a safe, comfortable and reliable experience for the passenger.



## Energy Efficiency – Minimizing energy costs

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Modernization brings better and more efficient energy saving solutions compared to the ones that were implemented a few decades ago. Our modular solutions focus on most cost effective and energy efficient areas in the process. Modernizing the control system is an excellent way to improve energy efficiency of the elevator or escalator.

## Accessibility – For all users

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Providing better accessibility is the most important feature of an elevator or escalator making it more convenient for users especially for people in wheelchairs, families with children and people carrying heavy luggage. Installation of automatic doors or increasing the size of the car aids in providing more space and ease for strollees and wheelchair users thus making it more accessible and extremely comfortable to ride.



## Performance – To serve better

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Reliable, efficient and continuous operation is the most important key factor in leading to a smooth flow of passengers. It plays an important role in saving energy making the cost of maintenance more predictable. An elevator or escalator that fails to function smoothly can prove frustrating and inconvenient for the employees or residents of that building. Hence, it is very important to ensure its efficiency and smooth functioning.



## Aesthetics – First impression matters

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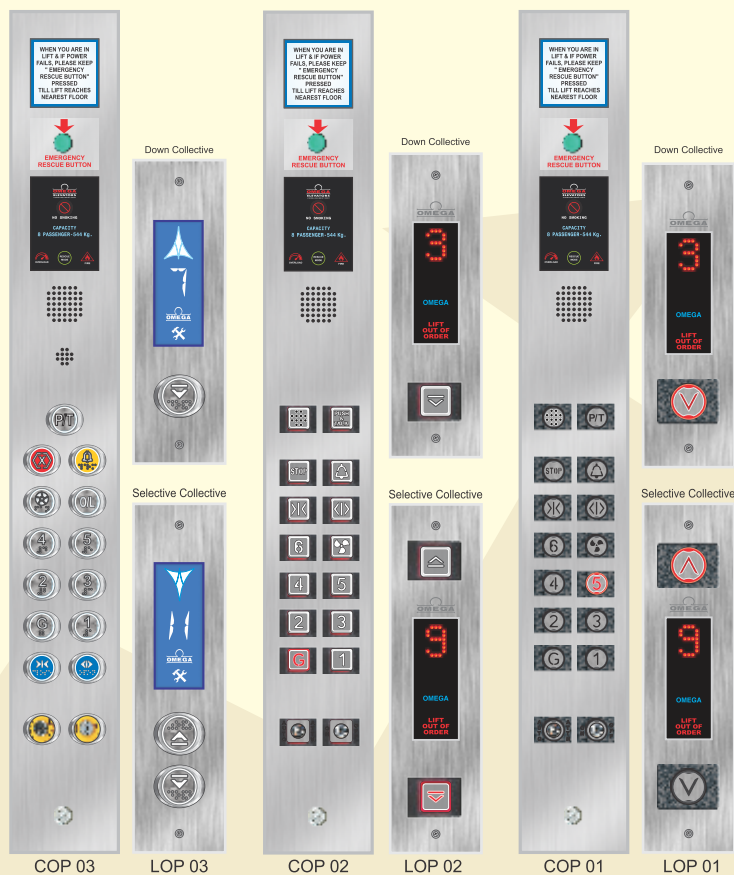
The first thing a client or tenant looks for in a building is the elevator or escalator. Therefore a contemporary design and use of quality materials helps in creating good impression of the building. Even if the surface components of your elevator are worn out or scratched a facelift can make it look new in very short time.

## Visibly Better Without removal of Existing Cabin

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# Display Panels



## Emergency operation

**In case of power failure:** A car equipped with a function of rechargeable battery automatically moves and stops at the nearest floor. As soon as it stops, the doors open allowing the passengers to evacuate the car safely. The maximum distance allowed between two floors is 30 meters.

**In case of earthquake:** In case of this emergency, all cars stop on the nearest floor as their primary and secondary seismic sensors are activated. Soon after they are parked, the doors open, facilitating the evacuation of the passengers.



**Door sensor self-diagnosis:** Failure of the non-contact door sensor is checked automatically. In case of any problem the door closing time is delayed and the closing speed of the door is reduced to maintain elevator service and ensure safety of the passengers.



# Smart Elevators and Escalators

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## “ Smart Elevators Control for Safety and Sophistication ”

### How Smart Benefits

Smart Elevator system identifies faults before they occur. Solution is prompt. Downtime is reduced. OMEGA introduces the Smart Elevator LMS (Lift monitoring system), watching the health of your Elevator 24x7, when being used and when not being used. Each elevator can be fitted with a remote inspection unit and a communications controller that is linked to a computer at the remote monitoring center and to terminals in service facilities at our control centre. The remote inspection unit has various measurement, monitoring and diagnostic functions that replace most field inspection items while promptly resolving the problem.



### How it works:

The LMS module fit on the elevator is in continuous communication with the lift controller and is capable of providing all the information pertaining to the elevator. It can provide the data to the remote monitoring centre through internet.

- It can be beneficial in the following ways:
- It provides current status of the elevator position.
- It provides the current travel direction.
- It provides speed at which the elevator is moving.
- It provides Electric power consumed by the elevator.
- In case of a breakdown it is capable of immediately alerting the central monitoring centre and registered mobile no. through SMS.

### Prominent features:

- Makes the service call.
- Quick Response and prevention of breakdowns.
- High efficiency with lower costs.
- Service assurance and peace of mind.
- Monitoring of local conditions.



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- MAURITIUS • NEPAL • SRI LANKA • SOUTH AFRICA • TANZANIA • SWEDEN • GERMANY • SWITZERLAND

## ► CONTACT US



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