



AL-SUS
TECHNOLOGIES

MOVING STEPS,
MOVING FORWARD.



AL-SUS STEP LIFT

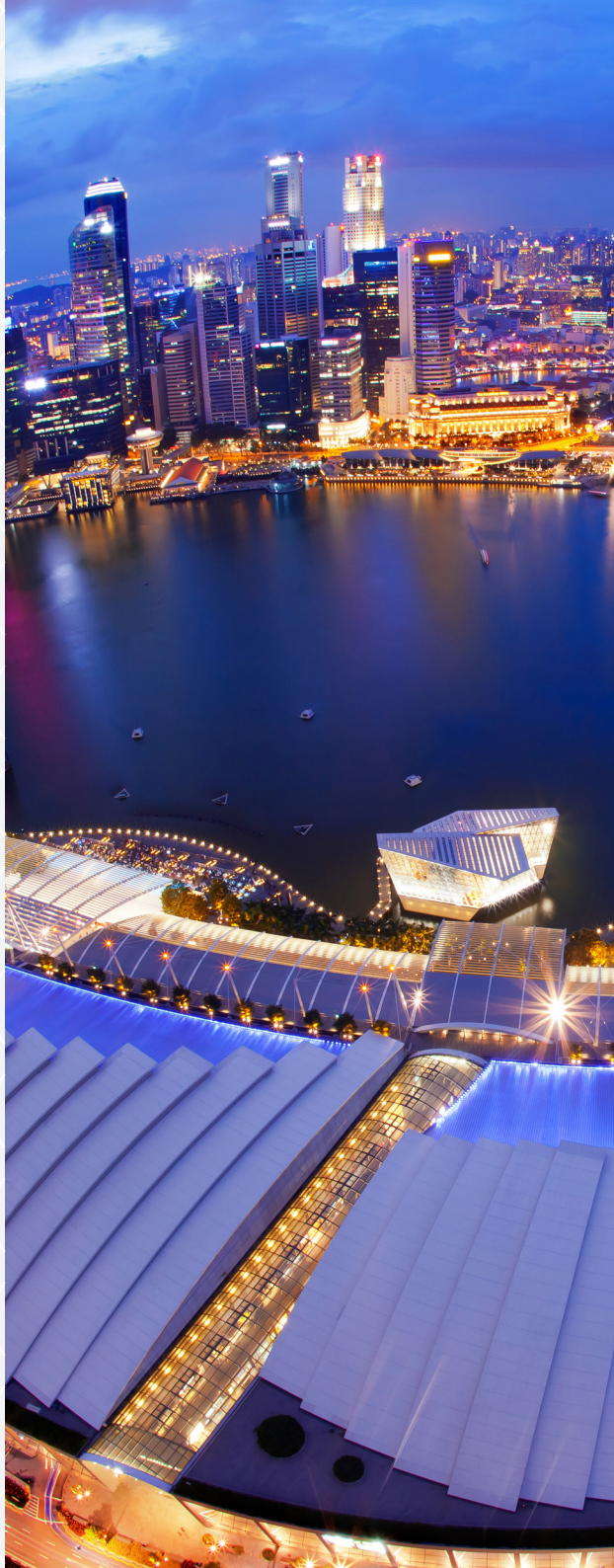


**AT AL-SUS
TECHNOLOGIES,
WE STRONGLY
BELIEVE
IN QUALITY
LIFESTYLE.**

With today's technologies and tomorrow's vision, we are able to do and achieve the impossible.

We are constantly inventing, doing research and development work, with an aim to improve lives and enhance lifestyle.

A sleek product is created to ease in climbing the stairs that is suitable and appealing for all ages – the AL-SUS Step Lift.





AL-SUS
TECHNOLOGIES



Environmental
Friendly



Convenient



Safe



Low Carbon
Emission



Intelligent



Stylish



Reliable



Creative



High
Quality




People
Oriented



Energy
Saving

THE HISTORY AND MILESTONES IN THE ELEVATOR AND ESCALATOR INDUSTRY

Elevators and escalators have become a paramount part in our daily lives. Just like our bread and butter, they have become an essential tool which we use to move up and down in a building.

- 1851**  First passenger elevator has been invented by an American, Elisha Otis.
- 1854**  First passenger elevator was exhibited in New York World Fair and gained public willingness and these elevators quickly became the type in most common usage and helped make present-day skyscrapers possible.
- 1859**  First "escalator" has been patented by a patent solicitor from Saugus, Massachusetts.
- 1896**  First working escalator was produced and installed in Coney Island, New York City by Reno, a graduate of Lehigh University.
- 2007**  First corridor elevator was invented and produced.
- 2015**  Step lift is invented with improved features and patented.
- 2017**  **Step lift is officially launched after further fine-tuning and improvisation.**



Apart from the existing elevators and escalators, step lifts have become the next phenomenon in the lifts industry. Step lift is suitable for any buildings. Its length, finishing and design can be customised to suit staircases and structures.

HOW TO USE AL-SUS STEP LIFT



1

Press the “up” or “down” button to call for the carriage.

The platform will flap out for boarding.

2



3

Stand firm on the platform to start travelling.

Push the handrail's lever to go up or down.

4



5

The carriage will start moving gradually. Continue to hold on the lever while travelling. The carriage will stop moving once the lever is released.

Upon reaching the desired landing, the unit will slow down and come to a complete stop for alighting. Move on to the next unit (where necessary).

6



ADVANTAGES OF AL-SUS STEP LIFT



SLIM AND SEXY

The unit has an extremely slim structure with a width of 15cm when the carriage is not in use. It can be placed at the wall side of the staircase and do not obstruct the staircase at all. Even if it is in use, the space taken up is so minimum that it allows a second person to climb the stairs concurrently.



EASE OF USE

Just a touch of a button, the carriage will flap down the platform. With a light push of the handrail button, you are on your way up, or down!



EASE OF MAINTENANCE

Due to its simple designs and component, maintenance is hassle-free. All it needs is a half-yearly basic regular maintenance for upkeep on the running parts.



SAFE & COMFORTABLE TO USE? **ABSOLUTELY!**

The speed limit can be adjusted to suit one's comfort level. Fast or slow, just select the speed limit you desire. The moving speed of the carriage is constant and will come to a gradual stop when you reach the top/bottom landing.

Nothing is more important than being safe while travelling up or down. In case of power failure, the platform will close up, which will prevent obstruction to the walkway.



SMART TRAVELLING

If you have installed 2 units to travel from level one to level two, do you need to cue one unit at a time? Nope. When you travel on the first unit from level one to the landing, the next unit's carriage will be at the same landing preparing for your arrival. Upon reaching at the landing, the next unit's platform will flap out for your onward travel.

CHARACTERISTICS OF AL-SUS STEP LIFT

- Profile: Straight type
- Wall mounted unit, with 30cm x 30cm platform connected to the carriage that is moved by a stainless steel cable.
- A total width space of less than 45cm is taken up during operation, which takes up less than half of a standard staircase width, making concurrently usage of the staircase possible.
- The operating speed of the product is adjustable. The default speed for the step lift is at 0.20metres per second which has been calibrated to be the ideal speed, or customer can adjust to make it slower or faster based on their personal requirements.
- The level and angle of this step lift can be customised to suit the existing stairs with an angle ≤ 50 degrees.
- Smooth travelling motion with gradual stop to prevent any sudden jerk movements.
- Power requirements: 220V, motor power 560 W
- Each unit can be used as a standalone system and run independently. In addition, all units are able to be connected to one another to shorten travelling time, especially from the ground level to the highest level.

Max load
150kg

Low noise level of
<65db

Low in energy
consumption.





INSTALLATION

The product installation is quick and easy, all we need is a staircase of 85cm wide and above.

The step lift is typically installed on one side of the staircase, preferably at the wall side. It can be located either on the left or right side of the stairs, according to the customer's requirements.



SAFETY FEATURES

This unit runs on domestic electricity and is converted into DC power to operate the components, carriage and platform. In the event of power failure, there is a backup battery available to retract the platform to prevent obstruction to the walkway.

The platform is also equipped with sensors which will stop the unit from travelling once there is an obstruction on the step. This could prevent possible accidents and eliminate potential injury.



OPTIONAL

Safety belt can be installed as an additional safety precaution. The user can strap the safety belt on to prevent him/her from falling. This feature is useful for user with medical condition.

Portable chair can also be hooked up. This is suitable for users who prefer to be seated while travelling along the staircase.



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