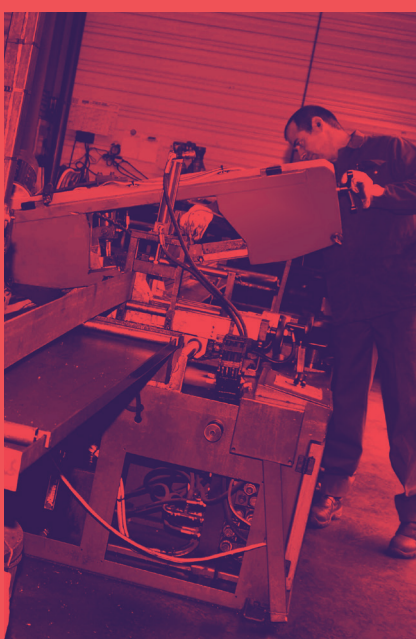


# PAV

PLATFORM LIFT FOR A **SAFE** ACCESSIBILITY



Since 1996, **ERMHES** has been designing, manufacturing and installing slow-speed lifts and PRM platforms to make the inside of private and public building accessible to all. With over 8000 lifts installed across the world by our installers and distributors, we are now one of the leading manufacturers in Europe. Extensive field experience, continual technological innovation and unique design feature enable us to offer a complete range.



#### **Quality :**

The entire manufacturing chain is located within the ERMHES plant in Vitré, France, allowing us to keep close control over the quality of our production and compliance with our values. We believe that maintaining the high-quality standards of our products is a priority.



#### **Innovation :**

Our lifts are ground-breaking, and are the first to be 100% connected, offering smartphone control! You can move all the lifts in our range using our smartphone app, check the condition of all components and modify the parameters. This technology is unique in the world.



#### **Ease of installation :**

We provide an instructor to support you when you first install our lifts. Our machines are very easy to install, because they are pre-assembled and pre-wired in the factory. ERMHES remains a company with a human dimension, and our process can easily adapt to your organization.



#### **Safety :**

All our lifts comply with standard EN 81-41 and the machinery directive, making users fully safe.



#### **Environment :**

As part of our environmental approach, our range is only made up of fully electric slow-speed lifts and vertical platforms, and we address the whole life cycle of our products.



# PAV

SAFE ACCESSIBILITY

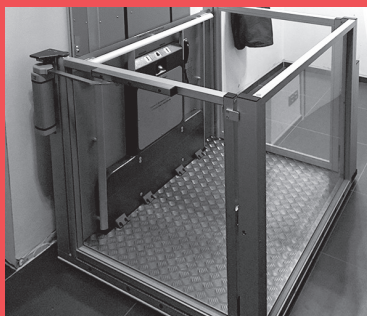
**Tailored**  
dimensions

**Screw and nut**  
system

Designed to comply  
with **standard EN**  
**81-41**

**A rugged full-**  
**aluminium** product  
that can withstand  
oxidation, including  
coastal sites

**Easy and quick**  
assembly in half  
a day or more  
(pre-assembled  
and pre-wired in the  
factory)









# PAV

**SAFE ACCESSIBILITY**

## TAILORED

INSTALLATION

## AND INSTALLATION IN COASTAL SITES POSSIBLE

- ▶ We assemble and wire the PAV in the factory. It is delivered in 8 to 10 parts, which you only need to put together and fasten to the ground. It can be installed in no more than five hours!
- ▶ The use of aluminium sections makes it possible to maximise the glazed surface.
- ▶ PAV uses aluminium and castings, which make it entirely sealed and resistant to all climate conditions (high heat, coastal environment etc.). The electronic components are insulated and protected from humidity (IP 65).
- ▶ Thanks to their design, PAV platform lifts can be made to measure for no extra cost. Each unit is made to suit your requirements.



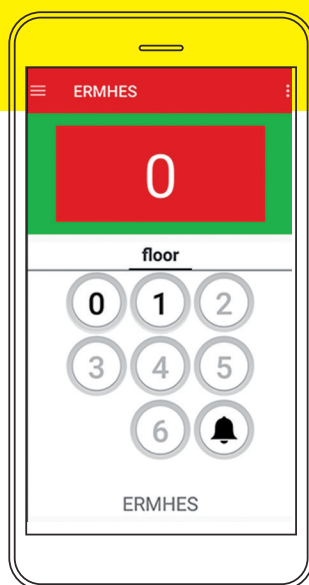
# SMART APP ERMHES

The ERMHES app has been designed to address all the problems that could be encountered while using personalising or maintaining a home lift or a platform lift. Bluetooth technology and a unique and temporary access code allows the maintenance foreman alone to take control of sensitive device parameters

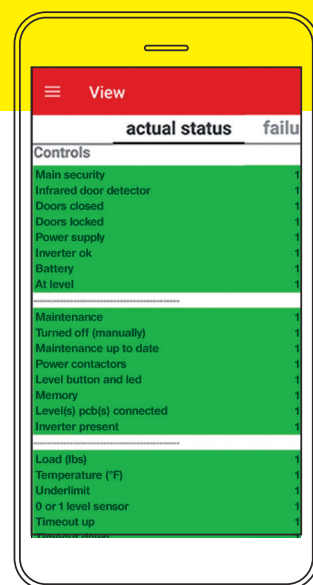
OUR APPLICATION



Using your smartphone to control the movement of your lift



Diagnosing lift components at a glance



**100%**  
made in  
FRANCE



## DIGITALISED USER EXPERIENCE :

The ERMHES smart app allows users to control the lift remotely. It also makes it possible to customize the setting for greater convenience (such as the door closing time).

## EASIER MAINTENANCE BY TECHNICIANS :

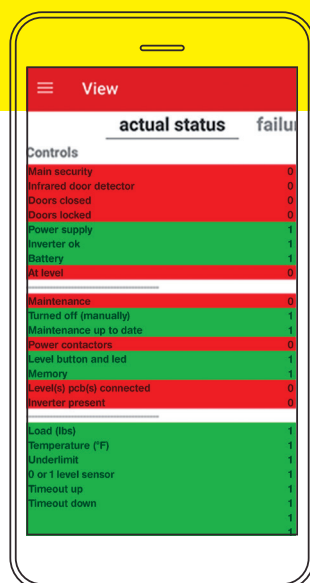
The information available in the app is the same as that in the control panel. At a glance, the technician can diagnose the lift entirely, identify the problem and correct it. Predictive maintenance is also made possible, such as a check of the wear and tear of components (e.g. battery).

Bluetooth technology and a unique and temporary access code allows the maintenance foreman alone to take control of sensitive device parameters.

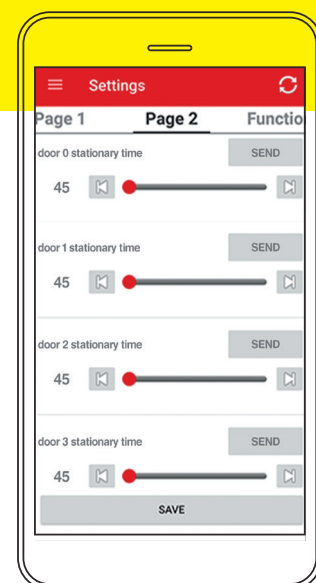


7

Detection of lift malfunction from the application



Modification of all lift parameters to suits the customer's preferences!







# PAV

## TECHNICAL DETAILS

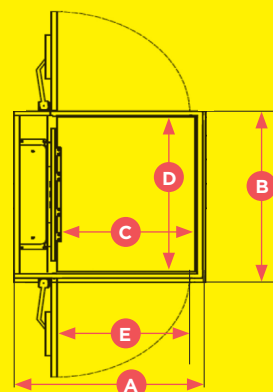
TECHNICAL DETAILS	Installation	Indoor/Outdoor/Coastal
	Maximum weight	320 - 400 kg
	Speed	(m/sec) Max 0.15
	Maximum travel	3 m
	Headroom minimum required on upper landing	With gate: 2000 mm with door: 2100mm
	Minimum pit required	No pit or 70 mm (170 mm required if platform width >900 mm)
	Minimum overall dimensions (width x depth)	1000 x 1070 mm
	Self-supporting shaft of PAV	Aluminium + glazed or aluminium panels dibond
	Standard floor	Aluminium tread plate
	Access sides available	One/two (90 or 180°) or three sides
	Traction machine system	Screw and nut
	Electrical voltage	230 V 16A 50 HZ
	Power supply	24 V 800 W
	Landing button control	One touch
	Platform control	Hold to run or one touch
	Machinery	Integrated into the shaft





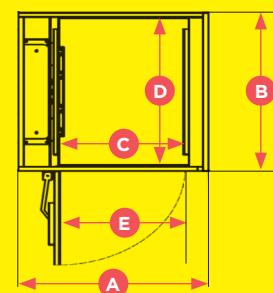
\* Add 20 mm for the connected PAV

THROUGH / SAME SIDE ENTRY (WITHOUT ERMHES SHAFT, IN EXISTING SHAFT)						
		A	B	C	D	E
		Footprint		Plateforme size		Door clear opening
Size	KG	A (mini width)*	B (mini depth)	C (mini width)	D (mini depth)	E (Door clear opening)
Mini	320	1120	1070	720	1000	660
		1200	1470	800	1400	800
		1300	1470	900	1400	900
	385	1400	1470	1000	1400	900
		1500	1470	1100	1400	900
		1600	1470	1200	1400	900
Maxi		1900	1470	1500	1400	900



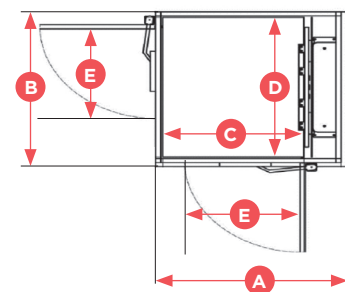
\* Add 20 mm for the connected PAV

THROUGH / SAME SIDE ENTRY (WITH GLASS / ALUMINIUM ERMHES SHAFT)						
		A	B	C	D	E
		Footprint		Plateforme size		Door clear opening
Size	KG	A (mini width)*	B (mini depth)	C (mini width)	D (mini depth)	E (Door clear opening)
Mini	320	1230	1250	720	1100	660
		1310	1550	800	1400	800
		1410	1550	900	1400	900
	385	1510	1550	1000	1400	900
		1610	1550	1100	1400	900
		1710	1550	1200	1400	900
Maxi		2010	1550	1500	1400	900



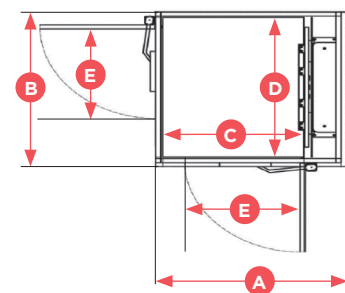
\* Add 20 mm for the connected PAV

ADJACENT ENTRY (WITHOUT ERMHES SHAFT, IN EXISTING SHAFT)						
		A	B	C	D	E
		Footprint		Plateforme size		Door clear opening
Size	KG	A (mini width)*	B (mini depth)	C (mini width)	D (mini depth)	E (Door clear opening)
Mini	320	985	1130	720	1100	660
		1065	1430	800	1400	800
		1165	1430	900	1400	900
	385	1265	1430	1000	1400	900
		1365	1430	1100	1400	900
		1465	1430	1200	1400	900
Maxi	420	1245	1430	1200	1400	900



\* Add 20 mm for the connected PAV

ADJACENT ENTRY (WITH GLASS / ALUMINIUM ERMHES SHAFT)						
		A	B	C	D	E
		Footprint		Plateforme size		Door clear opening
Size	KG	A (mini width)*	B (mini depth)	C (mini width)	D (mini depth)	E (Door clear opening)
Mini	320	1105	1250	720	1100	660
		1185	1550	800	1400	800
		1285	1550	900	1400	900
	385	1385	1550	1000	1400	900
		1485	1550	1100	1400	900
		1585	1550	1200	1400	900
Maxi	420	1585	1550	1200	1400	900





# PAV

## SELF-SUPPORTING MOBILE PLATFORM LIFT 1200

### MAIN CHARACTERISTICS

---

Max load: 320kg

---

---

Max travel: 1200mm

---

---

Easily adjustable travel

---

---

Useful dimensions of platform: 900x1400 mm

---

---

Device merely placed on the ground

---

---

Hold-to-run control

---

### TECHNICAL SPECIFICATIONS

---

Empty weight: 160kg

---

---

24V 600W brake motor

---

---

Screw and nut system

---

---

Two guide rails with ball bearing

---

---

Integrated transport wheels

---

---

Crush protection plate under the platform

---





ADAPTED SOLUTIONS

**FOR  
EVERYONE**





# ECOSYS

A silent and pitless platform lift



Ecosys can be installed between walls by others or within an Ecosys shaft.

**System Featuring:**

- Soft Start/stop
- Belt Drive

The result is a smooth comfortable, quiet and efficient ride.

No need to modify your building, a pit is not required. The large glass claddings allow to preserve or bring a touch of design while making your building accessible.

By choosing Ecosys, you add more value to your property without building works.

Maximum 400kg load



No pit required



Free standing with Ecosys shaft or in a concrete shaft



Maximum speed: 0,15 m/s



Glass or steel finishings



Choose any colour for free from the RAL range



Maximum travel: 1.70m



100% electric (battery emergency lowering)



Indoor or outdoor IP rated installation or on the sea side (marine environment)



Motor intergrated in the door frame (invincible and anti-vandalism)



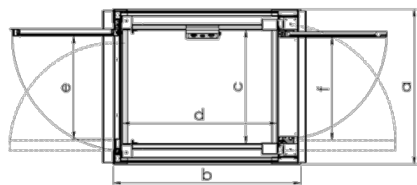


Technical Details

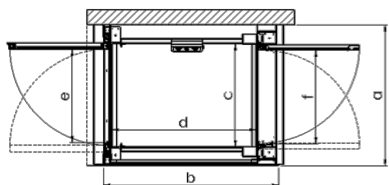
TRAVEL FROM 0.50m TO 1.70m							
	A x B		C x D	E	F	PIT DEPTH	MINIMUM HEADROOM
ACCESS	Footprint (Ecosys Shaft)	Footprint (Concrete Shaft)	Platform Dimensions	Door Clear Opening (Bottom Floor)	Gate Clear Opening (High)		
THROUGH	1300 x 1700	1250 x 1700	900 x 1400	830 x 2000	800 x 1100 800 x 1250	40 OR WITHOUT PIT	2000
	1400 x 1700	1350 x 1700	1000 x 1400	930 x 2000	900 x 1100 900 x 1250		
	1500 x 1700	1450 x 1700	1100 x 1400	930 x 2000	1000 x 1100 1000 x 1250		

unit: millimeters

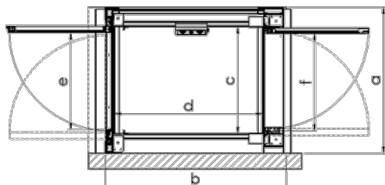
within Ecosys Shaft



4 sides Ecosys shaft

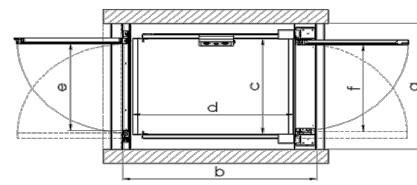


3 sides Ecosys shaft (right)

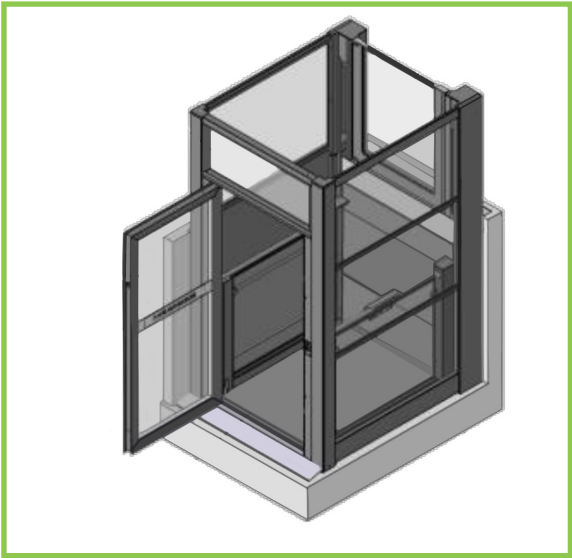


3 sides Ecosys shaft (left)

within Concrete Shaft



Ecosys Shaft



- Four or three sides
  - Claddings finish:
    - Glass (Four types)
    - Steel (RAL to choose)
- Draughtproof
  - Choice of RAL for frame and posts

GATE	FANLIGHT	DOOR
<ul style="list-style-type: none"><li>• Automatic swing (standard)</li><li>• Fully glazed panoramic laminated clear glass (standard)</li><li>• One touch landing control</li><li>• Height: 1100mm or 1250mm</li><li>• Any RAL choice</li></ul>	<ul style="list-style-type: none"><li>• Supplied according to travel to line with the top floor gate.</li><li>• Choice of two finishes (depends on the travel):<ul style="list-style-type: none"><li>• Fully glazed panoramic laminated clear glass</li><li>• Steel panel (all RAL possible, no standard)</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Door motor intergrated in the frame (vandal proof)</li><li>• One touch landing button</li><li>• Height lined with top gate</li></ul>

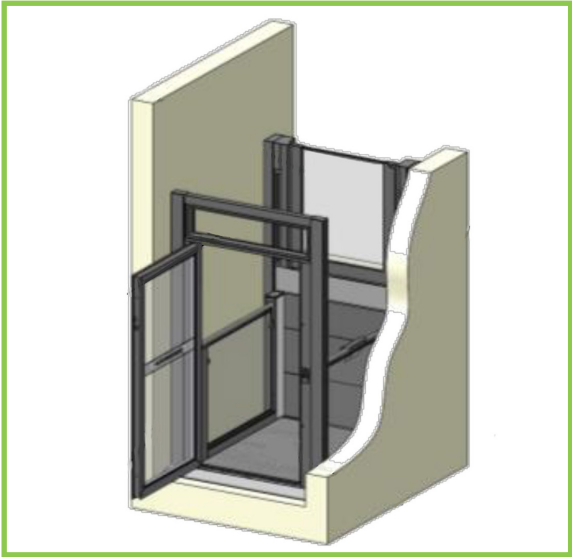
PLATFORM	BUILDING REQUIREMENT	POWER SUPPLY / ELECTRICITY
<ul style="list-style-type: none"><li>• Handrails: Laminated clear glass (standard)</li><li>• Door motor intergrated in the frame (vandal proof)</li><li>• Fully glazed laminated clear glass (standard)</li><li>• One touch landing button</li><li>• Height lined with top gate</li></ul>	<ul style="list-style-type: none"><li>• Fixing at the bottom of the pit:<ul style="list-style-type: none"><li>• Pull out resistance : 300kg</li></ul></li><li>• Fixing in the slab:<ul style="list-style-type: none"><li>• Pull out resistance: 600kg</li></ul></li><li>• 40mm pit depth or no pit</li><li>• Minimum headroom: 2000mm</li><li>• 2 smooth walls ( for masonry shaft only)</li><li>• No load-bearing wall required (mansory shaft only)</li></ul>	<ul style="list-style-type: none"><li>• Electric inlet single-sphase 230V in the pit.</li></ul>

Concrete Shaft



Ecosys Exclusivity

For outdoor applications, the steel parts are painted e-coating (used in the automotive industry).

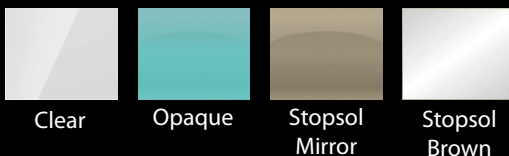


# Platform Details

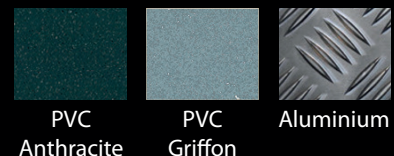
DRIVE SYSTEM	With 2 belts - 1,5kw
RATED LOAD	400kg
RATED SPEED	0,15m/s maximum
APPLICATIONS	Indoor / Outdoor / Seaside
TRAVEL	From 0,50m to
NUMBER OF FLOORS	2 maximum
FINISH	Indoor: Powder coated steel / Outdoor: Electrolytic coated (cataphoresis) steel / Marine conditions: Stainless steel 316 L
COLOR	Any RAL colour from the RAL chart (no standard color, same price for all colors). 3 textures: matt / satin finished / glass
CLADDINGS RANGE	Clear glass / Steel / Opaque Glass/ Stopsol Brown Glass / Stopsol Mirror Glass
PLATFORM CONTROL	Hold to run
LANDING CONTROL	One touch operation
DOOR / GATE	Automatic Swing; Full glazed laminated clear glass (standard)
DOOR MOTOR	Intergrated in the door frame (visible, anti-intrusion)
SAFETY DEVICES	Emergency lowering and lighting (battery powered) Emergency stop Autodialler Autodialler Overload Sensor Overspeed Sensor Final Limit Switch HMI (Human Machine Interface) for manual moving and date settings
POWER SUPPLY	230V Single phase
COMPLIANCE	European standard EN 81-41 European Machinery Directive 2006/42 CE



## Glass Range (laminated 44/2)



## Floorings



6 Station Road  
Bradford  
West Yorkshire  
BD1 4SF  
01274 305066  
info@shorts-lifts.co.uk

17 Almond Road  
Bermondsey  
London  
SE16 3LR  
020 734 3080  
info@shorts-lifts.co.uk

[www.short-lifts.co.uk](http://www.short-lifts.co.uk)