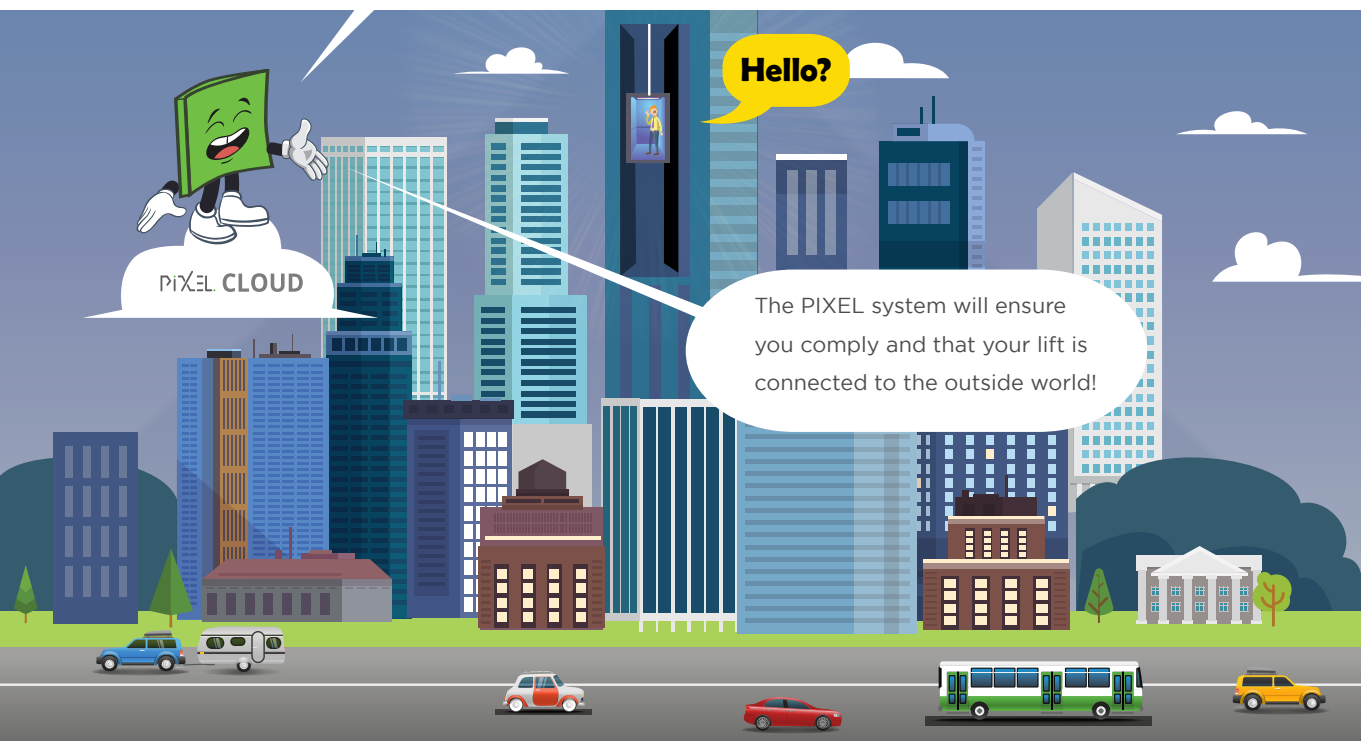


# UNDERSTANDING EN 81-28

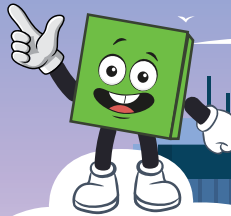
With the implementation of EN-81-28:2018 into the latest Australian standards (AS-1735.19) it is important you both familiarise yourself with the requirements and ensure you have a working solution when installing or making changes to your Lift emergency phone system.



SOMEBODY HELP! I'M TRAPPED IN THE ELEVATOR!



emFONE



PIXEL.CLOUD

WE'RE  
HERE TO  
HELP

EM-4GE

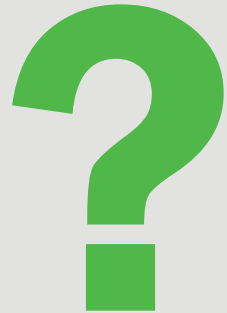


PIXEL  
TECHNOLOGIES

## HOW DO I COMPLY TO THE NEW LAWS?

Pixel Technologies can help!

We have developed a range of technologies combining our emFONE emergency Lift Phones working in cohesion with our gateways to automatically verify that the phone will work in an emergency allowing full compliance to lift industry standards.



EN 81-28. 2018  
“REMOTE ALARM  
ON PASSENGER  
AND GOODS  
PASSENGER LIFTS”

EN 81-28 is a European standard for construction and installation of lifts. Now adopted into the Australian standard AS-1735.19 since the end of 2019.

## WHY WAS IT ADDED?

The standard is aimed at the risk of persons being trapped in the lift car due to a lift car failure.

Ensuring the transmission network used to call for help is not subject to failure.

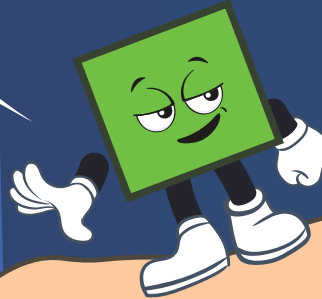
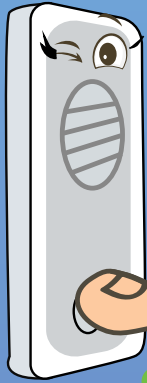
# WHAT IS EN 81-28?

These guidelines must be followed for new and updated lifts.



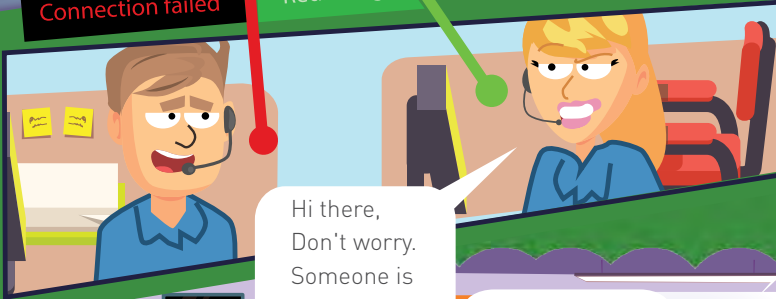
HERE ARE SOME IMPORTANT REQUIREMENTS YOU NEED TO KNOW ABOUT!

The emfone will try to re-dial if not connected



Connection failed

Redialling



Hi there,  
Don't worry.  
Someone is  
on the way...

Situation  
resolved.



OFF

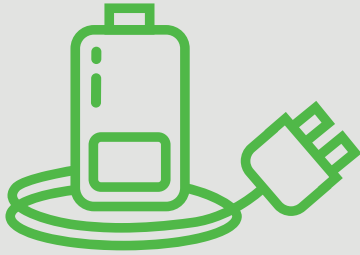


## 4.1.2 – ALARMS

When an alarm is initiated the system shall ensure the alarm is processed and acknowledged through to the call centre.

## 4.1.3 – END OF ALARM

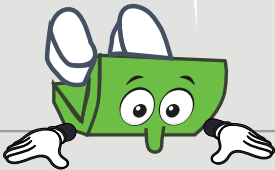
Acknowledgement and reset of the alarm from the lift acknowledging that the alarm has been dealt with and no user is trapped in the lift.



## 4.1.4 – EMERGENCY ELECTRICAL POWER SUPPLY

The system must continue to operate for a set period during a power failure.

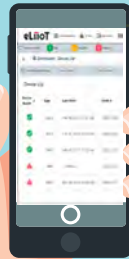
Any failure to the power supply system a notification must be sent.



Power is down, emergency backup initiated. I have 8 hours of backup!



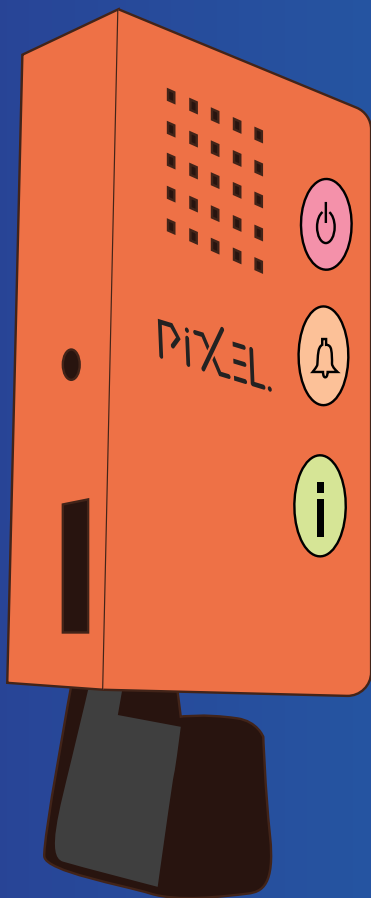
Sending alert notification.



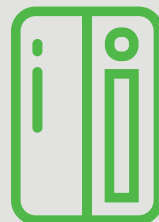
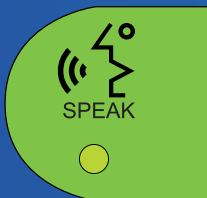
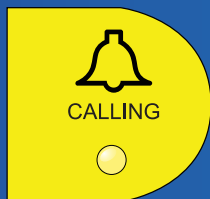
1 New Notification

Alert received. Let's get this fixed.





**emFONE**  
EM-181 System



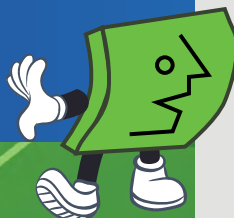
## 4.1.5 – INFORMATION IN THE LIFT CAR

The alarm system requires visual and audible signals;

When the call is put through it must be acknowledged with a Yellow” visual and audible “bell /alarm notification”



When the emFONE is answered the in progress “Green” visual icon must be displayed.





## 4.1.6 -ALARM FILTERING

There needs to be a provision to filter false alarms.

For instance, when the lift is in safe operation or at floor level with doors open.

NOTE: The alarm filtering can be overridden at any time by pressing and holding the alarm button for an extended period of time.



01



You mean the door was open the whole time?



GRRRrrrrr hmmm...

CALL LOCATION: Building X 100 Main Street

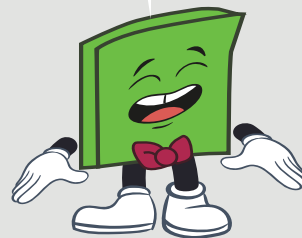


Don't worry. We know your precise location!



## 4.1.7 IDENTIFICATION

The rescue service / call centre shall be able to easily identify the call / test location

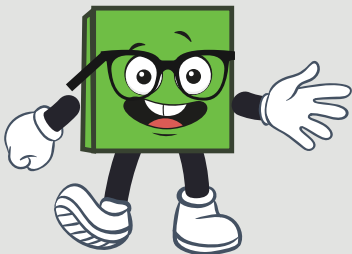






## 4.1.8 COMMUNICATION

You must be able to easily initiate an alarm call without any further action required...



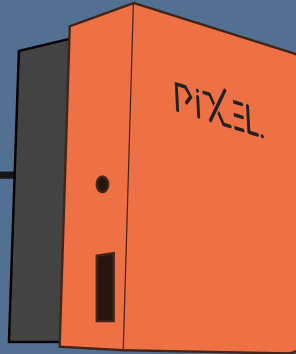
eLIiOT

✉ @ EMAIL ALERTS

EM-4GE2



PHONE LINE



EM-181 System

The PIXEL System will automatically simulate and report every 3 days!



## 4.2.1 AVAILABILITY / RELIABILITY

The alarm system shall be able to operate at all times when the lift is intended to be accessed by users.

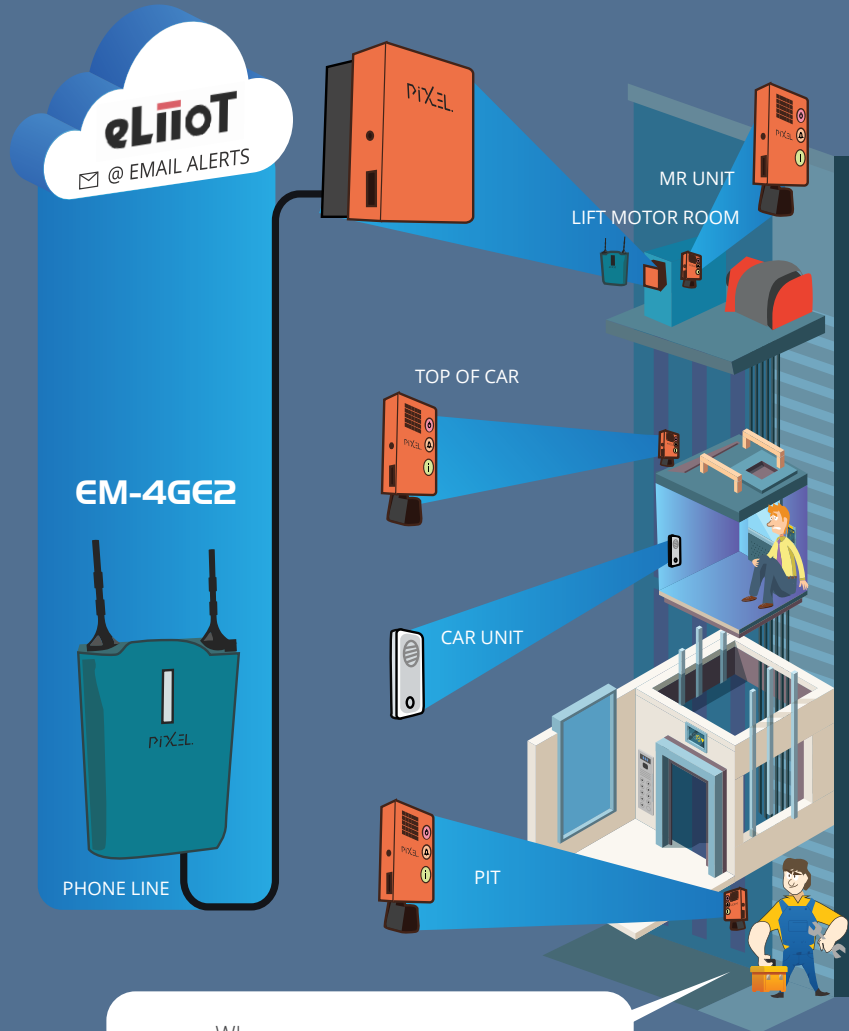
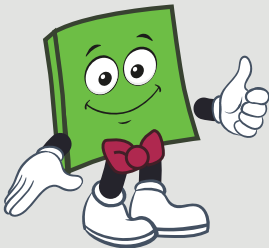
It needs to automatically simulate a call and report once every 3 days



### 4.2.3

The alarm initiation device(s) shall be installed at places where there is a risk of entrapment of users in the car and in the well.

Pixel will install an intercom in various locations i.e. the lift well, car top and pit.



Wherever you are..  
We will get you out safely..

We're here  
for you!



**CALL CENTRE**

**CONNECTING  
TO ELEVATOR**

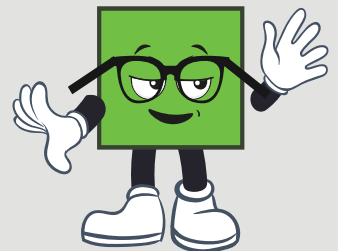


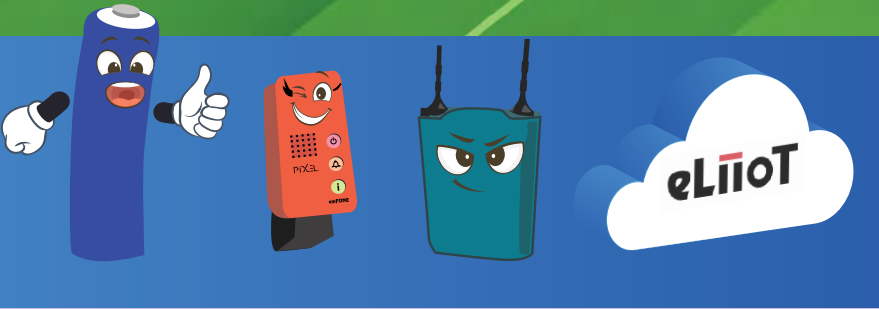
**BUILDING OWNER**



5.3

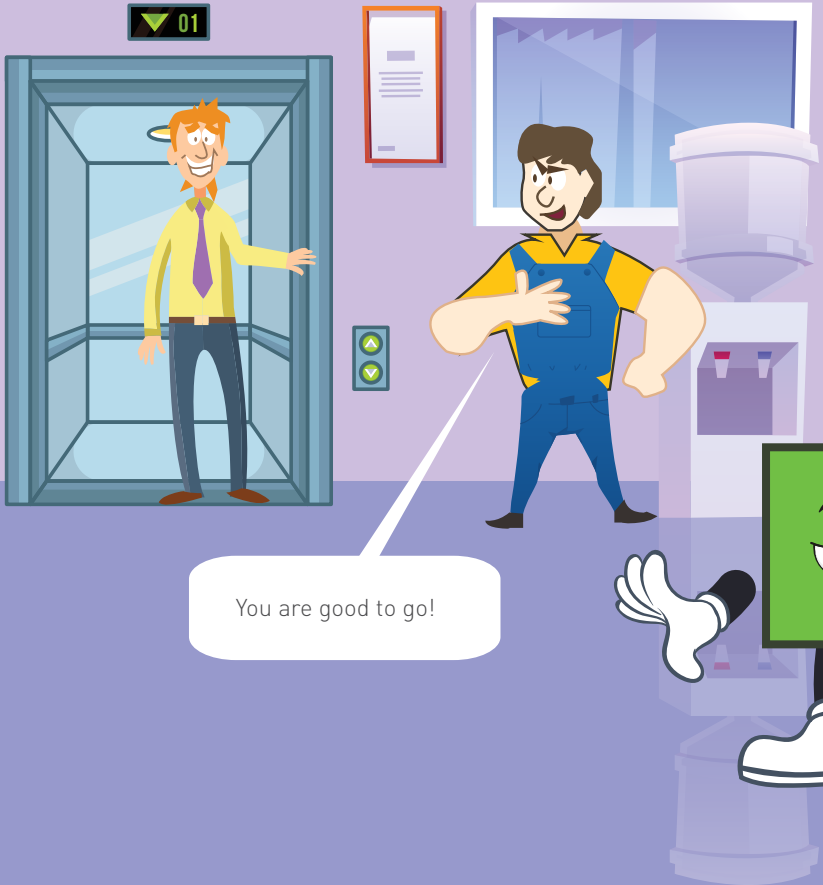
The building owner & call centre shall be able to establish at all times 2-way communication enabling contact with trapped users.





## EN 81-28 COVER

You are fully covered for EN 81-28 with the Pixel Technologies complete solution.



You are good to go!