

**PROCELL®**  
PROFESSIONAL BATTERIES

# THE HIDDEN COSTS OF BATTERY REPLACEMENT



# THE RISE OF BATTERIES

The use of battery-operated devices is on the rise. Trends like the Industrial Internet of Things are enabling businesses to connect and automate buildings, technology and energy systems; transforming the way facilities are managed today and tomorrow.

Streamlining building automation processes has led to an increased need for batteries in professional spaces, meaning business expenditures on battery replacements are inevitably increasing.

## IDENTIFYING HIDDEN COSTS

### Avoid draining your battery budget

Finding new ways to increase efficiency and reduce overheads remain key commercial priorities – across all sectors of the economy. When it comes to battery expenditure, the true cost isn't always apparent. Firstly you have the labor costs to replace the battery itself, and then associated costs, such as interrupted workflow and downtime. Those elements are not always factored in, but have a significant impact on operations and service levels. These are just some of the hidden costs of battery replacement.

This whitepaper uncovers the hidden costs around battery replacement and explores the significant costs businesses can save by understanding what could be draining your battery budget.

#### Labor costs

Staff responsible for replacing batteries often have other important roles to fulfill. Time spent on replacing batteries may delay or prevent workers from focusing on their core function.

In most cases, replacement labor costs are more than the cost of the battery.

#### Downtime costs

Machinery lines used across different industries sometimes have batteries that need to be changed. Frequent replacement inevitably means increased downtime and increased operational costs.

#### Logistics costs

Frequently replacing batteries can also result in businesses paying for delivery costs due to the increased need to order new batteries.

By understanding the total cost of battery replacement, organizations are able to make informed decisions about the impact of battery performance and expenditure on their day-to-day operations.

Identifying the true cost of batteries to your business can be a challenge. This is because hidden costs such as increased labor costs – caused by employees frequently replacing batteries – can often go unnoticed.



# EXPLORE COST SAVINGS

Discover how optimizing battery usage has a positive impact on expenditure

Each sector of the economy has its own device-specific battery needs. This section explores how different industries could benefit from reducing the frequency of battery replacement, and estimates potential cost savings, when factoring in both the cost of batteries and the wider associated costs of labor.

This expands across all types and sizes of organizations; exploring new incremental gains that enable staff to focus on their core functions, by supporting improved efficiency, while controlling costs. All calculations in this section are based on Procell's proprietary cost calculator\*.

## INDUSTRIAL FACILITY

Manufacturing facilities are significant users of devices such as:

- Air Fresheners
- Motion sensors
- Sanitizer dispensers

An industrial facility can save up to 39% annually with Procell's product portfolio.\*



UP TO  
**39%**  
COST SAVINGS

## INFRASTRUCTURE

Infrastructure, such as education and entertainment facilities, commonly utilize devices such as:

- Door locks
- Smoke alarms
- Sanitizer dispensers

A commercial property of 500 rooms can save up to 37% annually with Procell's product portfolio.\*



UP TO  
**37%**  
COST SAVINGS

## MEDICAL

The medical industry commonly utilizes devices such as:

- Blood pressure monitors
- Thermometers
- Soap dispensers

A hospital with 500 beds can save up to 26% with Procell's product portfolio.\*



UP TO  
**26%**  
COST SAVINGS

## SECURITY

The security industry commonly utilizes devices such as:

- Motion sensors
- Door locks
- Security keypads

A correctional facility with 5,000 people can save up to 31% annually with Procell's product portfolio.\*



UP TO  
**31%**  
COST SAVINGS

## HOSPITALITY

The hospitality industry uses a wide range of battery-powered devices, such as:

- Smoke detectors
- Air fresheners
- Remote controls

A hotel with 500 rooms can save up to 44% annually with Procell's product portfolio.\*



UP TO  
**44%**  
COST SAVINGS

\*This is an estimated cost calculation based on specific makes and models of devices versus relevant competition. The results will vary based on specific devices, usage habits, current batteries used, size of facilities, conditions and commercial maintenance schedules of devices including wages.



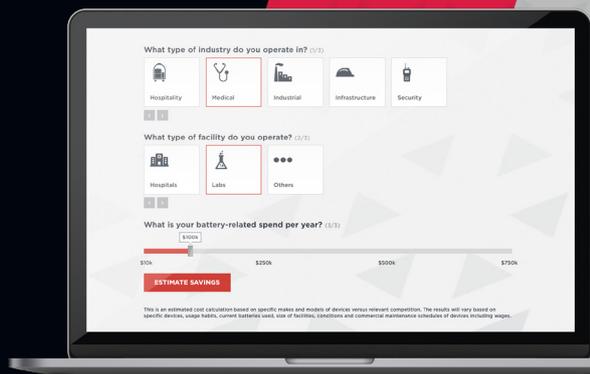
# TRY THE PROCELL COST CALCULATOR

Estimate savings for your organization

Whether your organization is buying batteries for smoke alarms, electronic door locks or soap dispensers, choosing the right batteries could save thousands of dollars.

Procell has developed a cost calculator that estimates how much businesses in different sectors can save in replacement costs using Procell's dual portfolio of batteries.

**FIND OUT MORE**



# THE PROCELL SOLUTION

How to improve battery longevity in devices and reduce costs.

In today's highly-automated, always-on environments, devices of all kinds are relied on to ensure operations function effectively and without interruption. However, different professional devices have different current requirements. High frequency, high drain devices do not have the same battery needs as the intermittent low drain device usage. Understanding these individual discharge profiles are critical to improve battery longevity in devices, which can minimize downtime and reduce replacement battery costs.

Organizations that take into account device functionality when selecting batteries can achieve longer-lasting consistent performance, which in turn means fewer replacements and less expenditure. The following factors are key considerations for battery selection:

## Device-specific to extend longevity

The discharge profile of a device will affect battery performance and longevity. By selecting a battery that is device-specific, battery longevity is extended and replacement frequency is reduced.

## Consistency of performance in multi battery devices

Batteries that have been specifically designed to have reduced variability deliver greater consistency to significantly improve longevity in multi-battery devices.

## Designed and tested for professional usage

Improve battery longevity by using batteries that are developed and tested for the professional market.

## DUAL PORTFOLIO: DISCOVER THE DIFFERENCE FOR YOUR BUSINESS

Procell is the world's first dual portfolio of professional batteries; engineered to extend battery life and cut replacement costs.\* Choose device-specific batteries with unique discharge profiles for long lasting and consistent performance.

**Procell.** Make the right choice for your device and your business.

[FIND OUT MORE](#)



## HOW DO YOU KNOW WHICH BATTERIES TO PURCHASE?

Devices last longer when the right battery type – such as high drain or general purpose – is used.\* So it's important to choose the right one.

Businesses need to understand that no device is created equal. Using the right battery in the right device is key to reducing the labor costs of frequent battery replacements.

[DISCOVER MORE](#)

\*Vs prior Procell Alkaline AA & AAA

