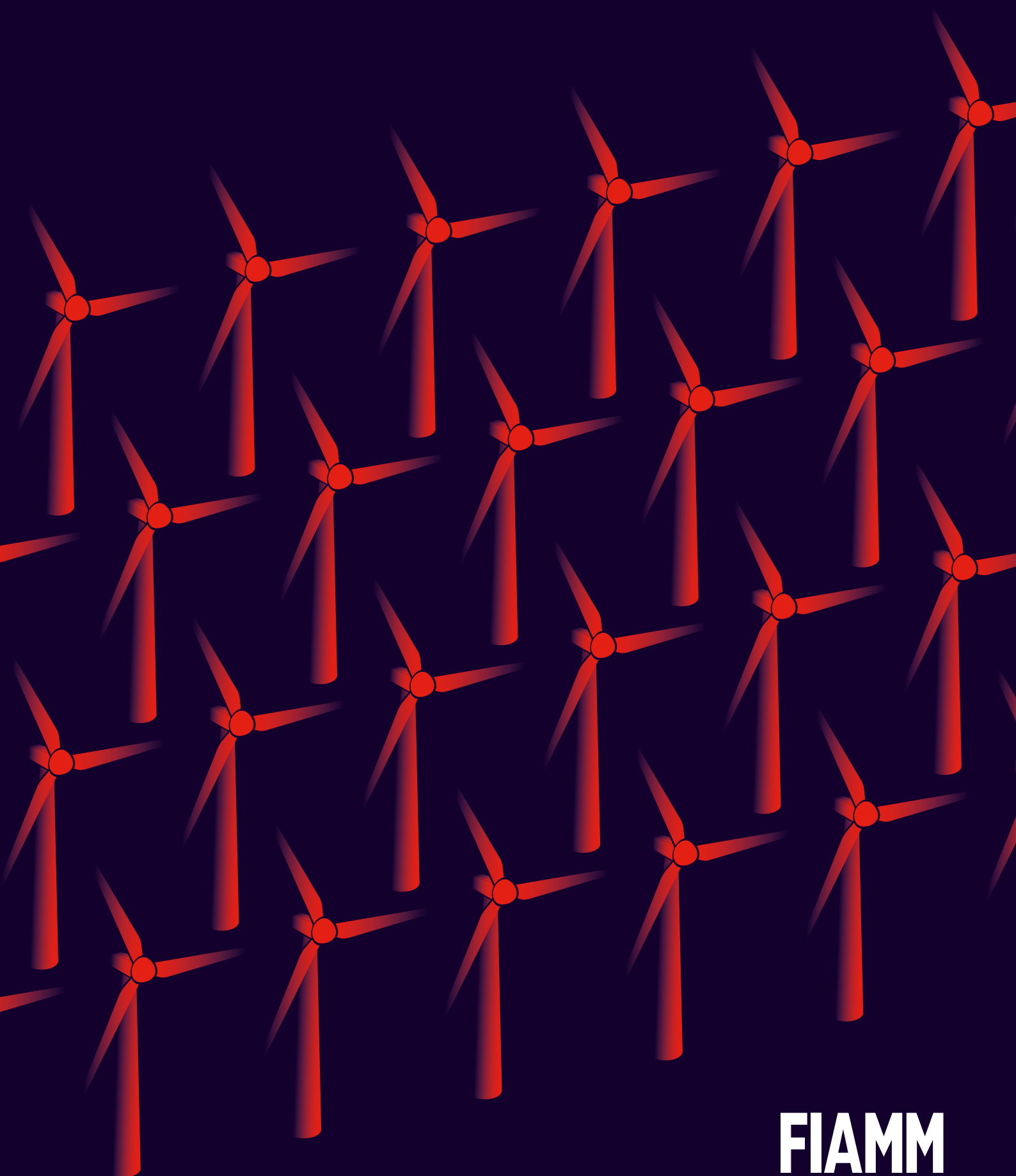


# Stored green energy

Renewable



**FIAMM**  
+            -

# FIAMM since 1942

FIAMM Energy Technology has been making batteries since 1942. We were established as a private company which set out to supply a national need for batteries to power vehicles. Since then, we have grown to be and become recognised international business engaged in the development, production and distribution of batteries and accumulators for industrial and mobile applications.

FIAMM Reserve Power Solutions offers a broad range of stationary batteries, designed to guarantee uninterrupted power supply in a myriad of fields.

As our business has expanded, so has our technical knowledge and understanding of how products can benefit customers' different needs. The result is a family of products and solutions to fit many different applications. We are now proud to supply many of the world's leading companies for telecommunications, data centers, railways, power plants, petrochemical plants and energy storage from renewable sources.

Batteries and energy storage solutions are a key enabler towards the global transition from fossil fuels to a cleaner and renewable energy. Our mission is to work with our partners and customers for the continued development of next generation solutions to meet the vital energy requirements for the future of our world.



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Company subject to the management and coordination of Showa Denko Materials Co., Ltd.

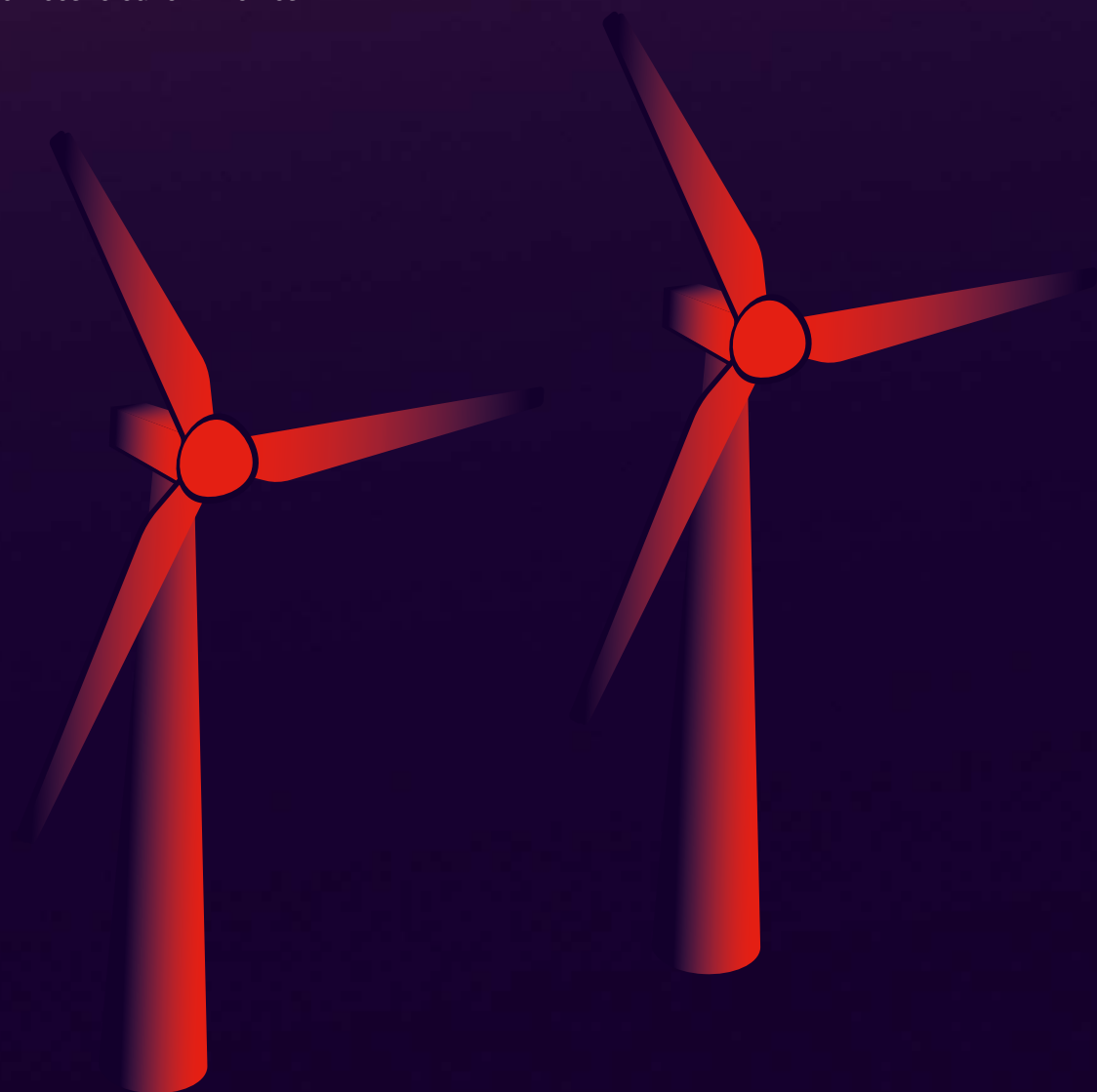


# Storing precious energy

We live in a world that is moving away from fossil fuels to a cleaner “green” energy society. This is energy that is taken by capturing the forces of nature. Energy from wind, sun, water and more.

In our future, energy will be harvested from many sources and used to power our society.

Utility companies are already transitioning away from carbon-based power generation. They are investing in green energy solutions. And as individuals we are doing our part, investing in home or residential storage systems to capture energy from rooftop solar panels. We are in the midst of a transition that will affect us all; from industry, community services to our own homes.

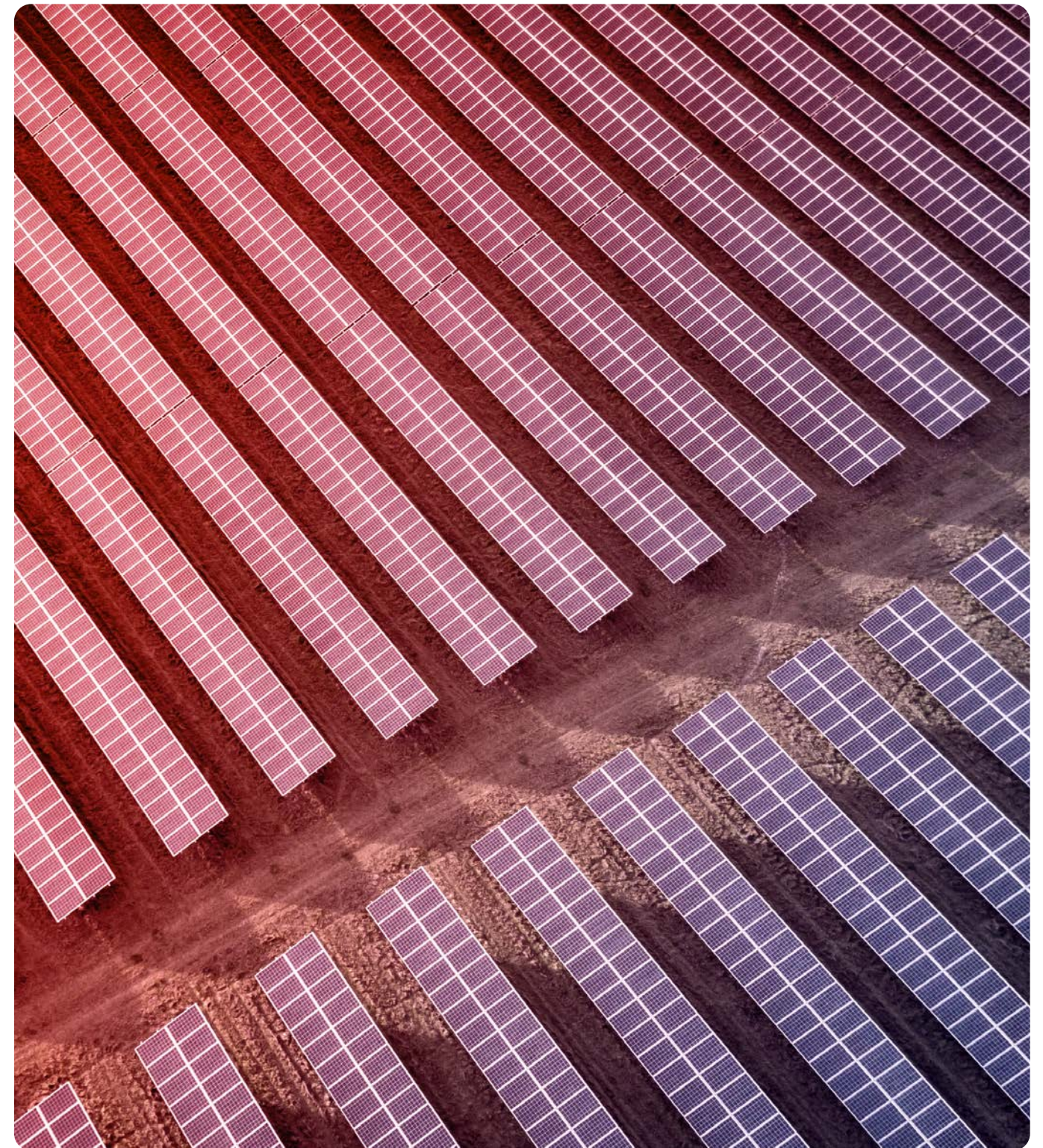


But energy from nature comes with its own challenges. As humans we cannot control these powerful forces. Wind, sunshine and other elements are intermittent. Sunlight, the source of power, happens during sunny days and generates energy in excess than needed. Tides and wind can often create energy when we least need it.

Batteries are the key to our energy revolution. They are chemical accumulators that capture electrical energy, store until it is needed, and there release on demand.

FIAMM is part of this revolution. We make specialised deep-cycle storage batteries. They are robust and perfect to meet the challenge of storing large amounts of energy. They can be charged and discharged constantly and operate in many different conditions. Like all our products, they are based on over 70 year’s experience.

FIAMM, helping to capture and store vital energy for the needs of our future.





# FIAMM renewable battery solutions

## Best choice of technology

Our wide range of proven lead-acid battery technologies provide customers with the best choice for each application. AGM & Gel are maintenance free over life, while flooded technology cells have life of up to 25 years.



## We're sustainable

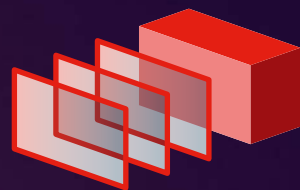
Our products are 99% recyclable at the end of life and can be made into new batteries without any loss of performance.

## Maintenance free

Our maintenance free products are easy, quick to install and reduce overall operating costs during life.

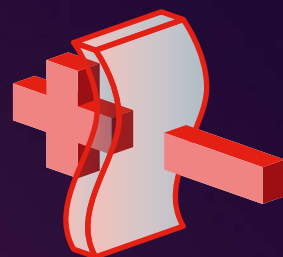
## Designed for life

All our products are designed and tested to ensure the best performance for the whole life.



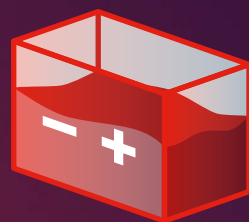
## AGM technology

AGM (Absorbed Glass Mat) batteries offer improved performance with faster charging, longer life and safer operation. These batteries are constructed with an absorbent glass-mat separator between the negative and positive plates. Special safety valves are fitted to minimise electrolyte dry-out over the life of the battery.



## GEL technology

GEL batteries use a jellified electrolyte between positive and negative plates to minimise dry out of the cell. Batteries with a GEL internal structure are very versatile. They offer excellent long life and perform well in a wide range of temperature conditions.



## Flooded technology

Batteries with a flooded electrolyte are extremely robust and have the longest life of lead acid accumulators. These cells are manufactured with clear containers showing electrolyte levels to allow periodic topping up.

## HIGH CYCLIC BATTERIES

Some applications demand that the battery must be capable of charging and discharging frequently. This type of application places stressful demands on the battery chemistry that cannot be met by a standard standby battery. Our high cyclic battery ranges are designed meet these challenges and to perform in these demanding situations.

99%  
RECY  
CLABLE

FIAMM lead acid batteries are 99% recyclable. Our products are perfect for the circular economy. Lead recovered from our used batteries can be reprocessed repeatedly without any loss on performance.



## FGL

### General purpose AGM battery

AGM maintenance-free range designed for a wide range of applications with a 10 year design life



## SMG/S

### Maintenance-free cyclic, gel cell

A very long-life GEL battery, perfect for energy storage applications



## LM/S

### High cyclic flooded cell

A very long-life flooded battery, perfect for energy storage applications



## FHC

### Cyclic maintenance-free, AGM battery

A front terminal block designed for high cyclic and PSOC applications







# FIAMM

