

B R O C H U R E



**Ryse** Energy



# POWERING A SUSTAINABLE FUTURE

Utilising wind, solar PV and energy storage to create bespoke renewable solutions, Ryse Energy is a global leader in decentralized renewable energy generation, providing renewable energy to some of the most challenging urban and rural environments.

With more than 4,000 projects to date, decades of experience, and installations across all seven continents, Ryse Energy brings together the best knowledge, talent and technology available in the market today to drive innovative and practical solutions.

## TACKLING ENERGY POVERTY IN DEVELOPING COMMUNITIES

Where populations require access to affordable, reliable and sustainable energy.

## DISPLACING FOSSIL-FUEL GENERATION IN REMOTE LOCATIONS

Where the fuel cost is significantly higher than grid power and has a harmful environmental footprint.

## PROVIDING CLEAN ENERGY FOR COMMERCIAL-DRIVEN MARKETS

Where companies see the benefits economically and environmentally from utilizing renewable energy.

# CAPABILITY OVERVIEW

WHY RYSE?

Ryse Energy has produced enough renewable energy to power over 250,000 homes.



## WIND TECHNOLOGY

With the most diverse product range in the small/medium industry, best in class horizontal and vertical axis wind turbines and over 4,000 installations globally, our wind turbines have a proven track record of delivering sustainable green energy and impactful value in a range of applications.

### WIND TECHNOLOGY CLASSIFICATIONS

Our wind technologies cover the main three classifications of wind speeds, ensuring we have a solution suitable for every environment.

MEDIUM WIND 25 - 200 kW Rated Power	E-60	N-55	
	E-20	G-11	G-20
SMALL WIND 1 - 25 kW Rated Power	E-10	N-10	G-11
	E-5		
	E-3		
	CLASS I	CLASS II	CLASS III
AVERAGE WIND SPEED	Up to 10 m/s	Up to 8.5 m/s	Up to 7.5 m/s

## SOLAR & HYBRID SOLUTIONS

The integration of our wind technologies, coupled with solar PV and energy storage create truly decentralised hybrid systems. We have hundreds of installations in remote locations where harmful and expensive diesel generators were the primary source of energy.

Our bespoke and innovative bad-grid, off-grid and micro-grid systems have the ability to displace diesel, lower electricity costs, produce sustainable renewable energy, and have been used to power homes, communities, transport systems and businesses across the globe.



## CONSULTATION, INSTALLATION, OPERATIONS & MAINTENANCE

In addition to our full turnkey installation service on a worldwide basis, Ryse Energy offers renewable energy consultation services and feasibility studies. We offer in-house planning and grid-connection expertise for assistance with your project.

We also have an international network of service and maintenance capabilities from service teams located in North America, Europe and the Middle East. Our service teams offer a wealth of knowledge and experience in servicing and maintaining small – medium scale wind turbines. We aren't limited to our own products and can offer competitive rates and service packages to suit customer needs.



## OUR PRODUCTS

Ryse Energy is a global leader in providing small to medium decentralized renewable energy technologies and full on/off-grid energy generation system solutions.

WHY RYSE?

Ryse Energy has displaced the equivalent greenhouse gas emissions of over 25 million trees capturing carbon for 10 years.



### E-RANGE

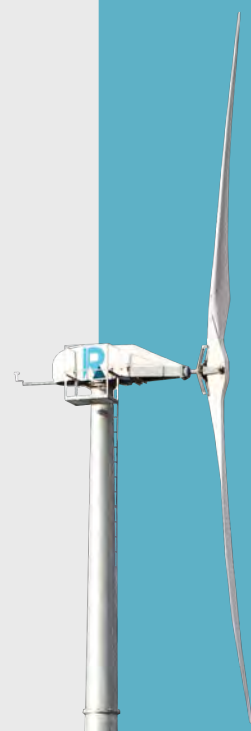
Our E-Range includes 3-blade horizontal axis turbines of 2 - 60 kW which are designed to the IEC 61400-2 Class I specifications, in order to safely operate in high wind speed environments with the potential for extreme gusts.

In total, several thousand of these turbines have been deployed throughout the world, in a range of applications and environments. The E-Range's Class I design specifications, combined with a low start-up wind speed of 2 m/s, allows these turbines to be able to efficiently generate power over a wide range of site conditions.



### G-RANGE

Our G-Range turbines are in the 'small wind turbine' category and are best in class for moderate wind speed sites i.e. those with an 'annual average wind speed' in the range of 4.5 - 7.5 m/s. They have a simple but effective 2-blade horizontal axis design with a rated output of 10 – 20 kW and have been shown to be reliable in a range of environments with more than 2,000 installations worldwide.







## **N-RANGE**

Our N-Range utilises a vertical axis configuration which can be applied in urban areas and in conditions where turbulent wind precludes the use of traditional horizontal axis wind turbine designs or space is limited. The N-Range is able to harness the wind from all directions, without the need for a tracking system, and utilise screw pile foundations for concrete free installations.

## **S-RANGE**

Ryse Energy has the in-house experience for the design, build and installation of solar PV and battery systems. Each package we offer is custom-configured to the unique requirements of the site, incorporating solar PV panels, power inverters and battery facilities.

Ryse Services team members are manufacturer trained and qualified engineers and have over 10 years of industry experience. The team has worked across small scale domestic, to large scale commercial installations.

As part of the S-Range, Ryse Energy offers a series of EV charging options and are an Office for Low Emission Vehicles (OLEV) approved installer. Furthermore, Ryse Energy;

- Is ELECSEA Certified and Microgeneration Certification Scheme (MCS) Approved.
- Is a member of the Renewable Energy Consumer Code (RECC).
- Offers an independent, insurance backed warranty on systems installed.



## APPLICABLE SECTORS

WHY RYSE?

Ryse Energy has prevented  
the equivalent of over  
300,000 cars on the road.



OFFSHORE GENERATION



AGRICULTURAL



INDUSTRIAL



REMOTE & ISLAND COMMUNITIES



TELECOMS



OIL & GAS



PIPELINES



MILITARY



# APPLICABLE SECTORS

WHY RYSE?

Ryse Energy has saved over 1.5 million tons of greenhouse gases being produced.



ROAD & RAIL NETWORKS



MICRO-GRIDS



EV CHARGING



WATER PRODUCTION & TRANSMISSION



ADVERTISING



BUILT-UP ENVIRONMENTS





 [info@ryse.energy](mailto:info@ryse.energy)

 [www.ryse.energy](http://www.ryse.energy)



**Ryse Energy**