WIND INFINITY

GREEN ENERGY
TODAY
FOR A BETTER
TOMORROW

COMPANY
PROFILE

WIND INFINITY

CONTENTS

contact@windinfinity.com

WIND INFINITY

WHO WE ARE

Wind Infinity is a leading renewables energy service provider based in Switzerland. We pride ourselves in supporting our clients and customers with varying requirements during the different stages of their project lifecycle and working on major renewable projects that make a difference. We support our global network of owners, developers, operators, service providers as well as lenders and investors, with industry leading services.

We started our journey with focus on wind energy which is why we are named Wind Infinity and rapidly expanded into Solar energy as demand for renewables grew. We are currently increasingly involved in projects that combine Solar and Wind Energy sources and lately, have also been involved with Green Hydrogen Projects which must be powered by zero carbon electricity (wind and solar power).

- WIND
- SOLAR
- GREEN HYDROGEN
- BATTERIES & ENERGY STORAGE
- MARKET INTELLIGENCE
- STRATEGIC ALLIANCES AND M&A
- INTERNATIONAL FINANCE
- CONSULTING AND ADVISORY
- CO2 CREDITS & MITIGATION
- RE100 CERTIFICATES
- SPECIALIST SERVICES
- RESEARCH AND DEVELOPMENT

"It's time to step up global action on climate change. It is imperative that the steps taken in the next few years will determine whether or not we can get on track to avoid the worst consequences of climate change. We are driven by our purpose: to provide green energy needed today while building a better world of energy for tomorrow and making the world a better place for the generations to come."

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WIND INFINITY

OUR EXPERIENCE

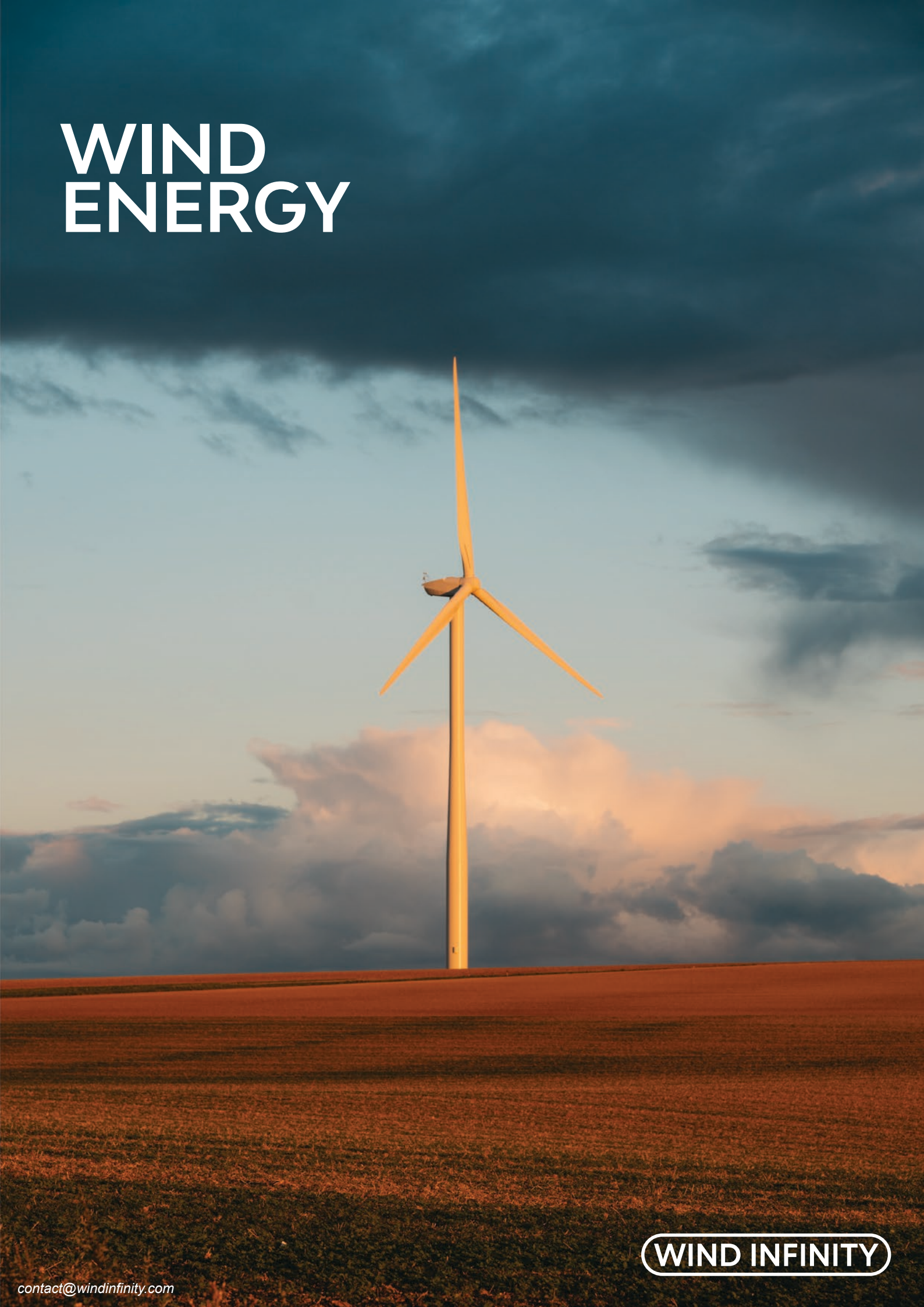
We are a Swiss-German company with more than a 100 years combined management experience in the renewables market. We have multi-disciplinary team with a deep pool of talent, knowledge and skillsets in different parts of the world and we truly believe we can make a positive impact in the world whilst still being a profitable company.

Switzerland has long been a world leader in innovation and technology. Ranked as the most innovative country in the world by the Global Innovation Index in 2020 the country remains at the forefront of science and technological research. Switzerland has always been quick to utilize new technologies to create robust innovation across a range of industries, from the financial services to healthcare, life sciences, artificial intelligence and now Green Energy.

We support our partners / clients to develop, own and operate low carbon infrastructure to support the zero-carbon transition. This includes onshore and offshore wind and solar plants, electricity transmission and distribution grids alongside providing energy products and services for businesses. We have operations across Switzerland, Great Britain and Northern Ireland, United States of America, Spain, Portugal, Denmark, Taiwan, Singapore, Philippines, Indonesia, Korea and Japan.

Our twin focus of profitability and innovation is a strategy that has seen us through the recent difficult times of pandemic and global economic downturn. Because we are WIND INFINITY, and we are here for a better world of green energy – for everyone.

WIND ENERGY



WIND INFINITY

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OFFSHORE WIND LIFECYCLE SERVICES

The offshore wind industry has evolved incredibly since Vindeby, the world's first offshore wind farm which was commissioned over 15 years ago. The sector has seen major and profound change due to recent economies of scale and green technologies push since the Paris Convention. Recent projects have demonstrated the viability of the technology and progressed this green industry into one of the most economically rewarding, technologically advanced and efficient clean energy generation industries in the world.

At Wind Infinity we use our industry leading advisory expertise and specialist services to help offshore wind projects increase performance and asset life. We believe success relies on understanding the dependencies between different parts of the offshore wind value chain and this is why we take a full lifecycle approach to managing risks and reducing costs. Together with our partners in the industry, we focus on doing it right, doing it better and going the extra mile for you in terms of what else can be done to support your project attractiveness.

Our customers come to us with varying requirements during the different stages of the project lifecycle. We support owners, developers and operators and service providers as well as lenders and investors, globally through industry leading services to offshore wind projects.

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SERVICES FOR THE ENTIRE OFFSHORE WIND LIFECYCLE A-Z

- **Feasibility** – Wind Infinity helps you gain a more thorough understanding of offshore renewables - enabling you to make informed and robust decisions on technology, project strategy and markets.
  Successful project feasibility can be achieved using the following services: Market Intelligence – Project Design - Strategic Advice – Technology Evaluation – Value Chain Evaluation - Finance and Purchase Power Agreements Evaluation

- **Development** - Pre-construction development enables offshore wind projects to be realized but the technical risks can be vast. Wind Infinity applies renewables industry experience to project development. We provide independent support to your project in areas such as concept selection, equipment evaluation, site surveys (geophysical and geotechnical), measurements & energy resource optimisation, costs overview, project due diligence, bid preparation and logistics for your project.

- **Project development can be achieved using the following services:**
  Concept Selection – Measurements – Site Surveys – Reduce and Energy Optimisation – Company Due Diligence – Pre Construction Assessment

- **Engineering** - Wind Infinity provides support in the engineering phase using industry-leading tools and experience to reduce project costs and mitigate risks on your project.
  Project engineering can be achieved using the following services:
  Project Engineering Optimisation - Turbine and Support Structures Consulting – Interconnection Review – Operations and Maintenance Planning and Review

- **Construction** – Wind Infinity supports and facilitates the safe and efficient management, construction and installation of your offshore renewables project, bringing together our experience from Maritime and Oil & Gas industries.
  Project construction can be achieved using the following services/products:–Project Management - Construction Optimisation – Value Chain Assessment - EPC Engineering, Procurement and Construction Services – T&I Transportation and Installation

- **Operation** – Wind Infinity delivers safe and effective asset optimization - applying an integrated approach to boost revenue, reduce costs and increase asset life of your offshore renewable project.
  Project operation can be achieved using one of the following services/products:
  Performance and Condition Monitoring – Inspections and Audits – Asset Optimisation – Operations and Maintenance Optimisation – Operational Energy Assessment – Project Due Diligence – Asset Integrity Management

- **Life Extension** - Asset Life Optimisation and Life Extension

- **Decommissioning** – Wind Infinity can support you in the Decommissioning part of your project. This is an important element and needs to be included in the early stages of the project as the process of ending offshore wind farm operations and returning the ocean and seafloor to its pre-lease condition are of extreme importance to conclude the project without unpleasant surprises.

contact@windinfinity.com

SPECIALIST VALUE CHAIN SUPPORT

Specialist Value Chain Support
Our Value chain assessment is a global service. We see the bigger picture and can leverage broad expertise in all areas of your EPCI needs.

We have carefully selected key industry suppliers from all parts of the world and divided them in the following categories:

- Suppliers per specialty
- Project Management
- Feasibility Studies
- Technical viability
- Environmental Impact Assessment
- QHSE Compliance
- Finance Feasibility and ROI
- Wind Farm Field Life
- Engineering, Procurement, Construction
- Transportation and Installation
- Geophysical and Geotechnical Surveys
- Cable Laying
- Production Output Optimisation
- Repair and Maintenance
- Asset Integrity Management
- Beyond Field Life
- Decommissioning


SOLAR
ENERGY
WIND INFINITY

SOLAR ENERGY

Wind Infinity and partners are the emerging clean energy solutions provider of Solar PPA, offsite clean energy supply, EPC and O&M solar PV solutions, demand-side management, energy efficiency and more to emerging markets

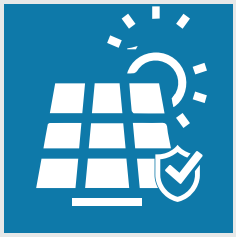
What is a Utility-Scale Solar Farm?

A utility-scale solar farm is a large scale solar farm capable of generating large amounts of solar energy akin to a full scale electricity utility (eg. coal-fired power plants). The solar energy generated is commonly supplied to an off-taker, usually the local electricity grid operator via a Power Purchase Agreement (PPA), providing a steady source of renewable energy for a lease period of 20-25 years.

Benefits :

Generate Passive Income

Turn unoccupied land into an income source.



Improves Energy Security

The capability to generate renewable energy improves the local energy security.

Join the Fight Against Climate Change

Contribute to a low-carbon economy.

Wind Infinity will support you in all stages of your solar project:

Please contact us at solar@windinfinity.com to see how we can add value to your projects.

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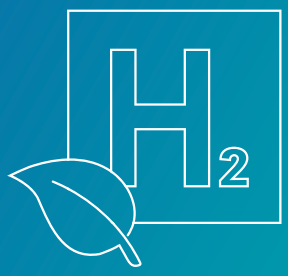
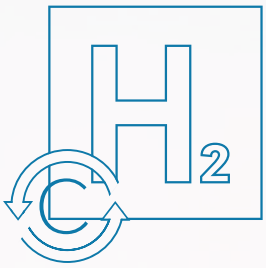
GREEN HYDROGEN

HYDROGEN TERMINOLOGY



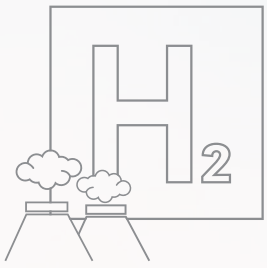
Green hydrogen

- Green hydrogen is produced by the electrolysis of water
- The process is powered by zero-carbon electricity (e.g., wind and solar power)
- It is clean, but is currently too expensive for widespread use
- The cost of electrolysers and renewable energy is expected to fall over the next decade, making green hydrogen more viable
- Green hydrogen is the ideal long-term, zero-carbon way to produce hydrogen



Blue hydrogen

- Blue hydrogen is produced from fossil fuels (typically natural gas), but emissions are dealt with using carbon capture and storage (CCS) technology
- With abundant natural gas and coal available, blue hydrogen could help to scale the hydrogen economy
- However, this is dependent on wider adoption of CCS
- Blue hydrogen could act as a stepping stone from grey/brown to green hydrogen



Grey hydrogen

- Grey hydrogen is typically produced from natural gas in a process called steam methane reformation
- Brown hydrogen is produced from the gasification of coal (or lignite)
- These are the strongly dominant methods in use today
- They are relatively cheap, but emit large amounts of CO2

From the above table you will see the attractiveness of Green Hydrogen but it does not come without challenges. Because of our Wind and Solar expertise, we are currently able to support your project by adding a green hydrogen element into it. Contact us to see how we can work with you to make this happen.

As the world works toward reaching net zero by 2050, hydrogen is one solution to decarbonising our gas systems. Wind Infinity and partners work together towards the development of a hydrogen 'backbone' to link industrial clusters around the world.

We are exploring the development of local hydrogen 'backbone' areas in many parts of the world, which aims to join together industrial clusters around countries, potentially creating a viable hydrogen network domestically where you operate.

Repurposing the current gas transmission pipelines, Wind Infinity will work together with governments, leading technology companies and R&D institutions to unlock the potential of hydrogen and support the establishment of carbon capture, utilisation and storage (CCUS) in industrial clusters where you are.

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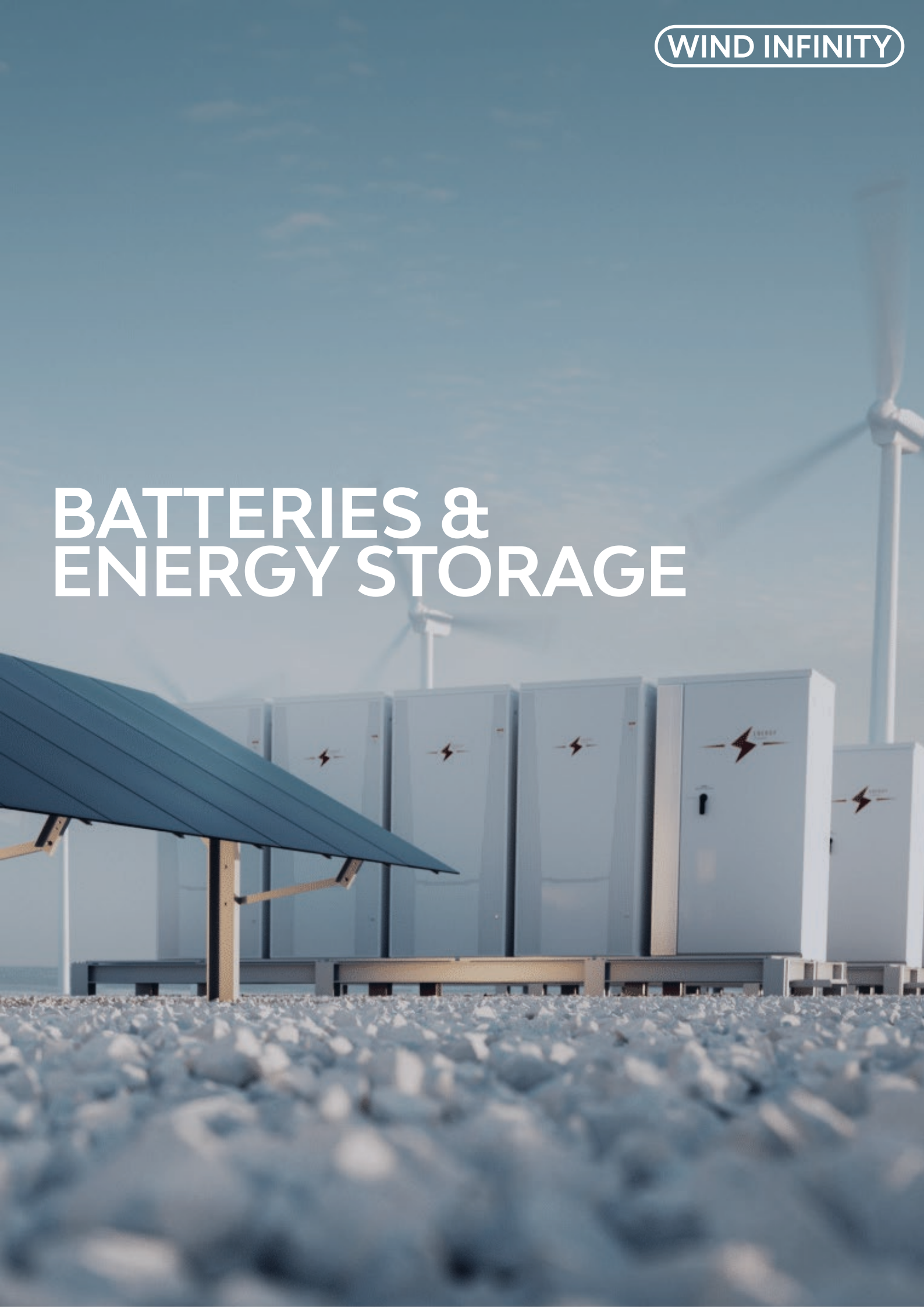
BATTERIES & ENERGY STORAGE



BATTERIES & ENERGY STORAGE

What is battery storage?

Battery storage technologies are essential to speeding up the replacement of fossil fuels with renewable energy. Battery storage systems will play an increasingly pivotal role between green energy supplies and responding to electricity demands specially in areas where the grid is not yet properly developed.

Battery storage, or battery energy storage systems (BESS), are devices that enable energy from renewables, like solar and wind, to be stored and then released when customers need power most.

Lithium-ion batteries, which are used in mobile phones and electric cars, are currently the dominant storage technology for large scale plants to help electricity grids ensure a reliable supply of renewable energy.

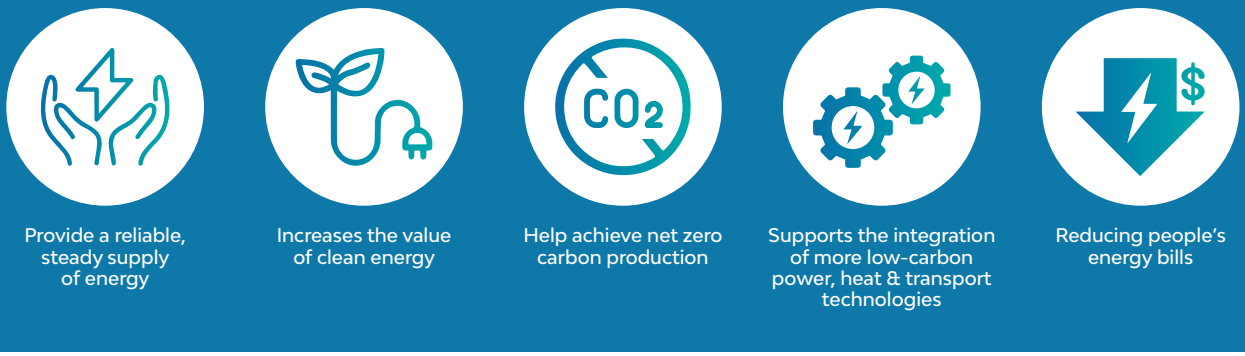
Why is battery storage important and what are its benefits?

Battery storage technology has a key part to play in ensuring homes and businesses can be powered by green energy even when the sun isn't shining, or the wind has stopped blowing.

For example, the Europe has the largest installed capacity of offshore wind in the world, but the ability to capture this energy and purposefully deploy it can increase the value of this clean energy; by increasing production and potentially reducing costs.

Wind Infinity teams and clients work closely together with electricity grids worldwide but the key target is that we must match supply with demand. Managing these peaks and troughs becomes more challenging when the target is to achieve net zero carbon production, by phasing out fossil fuel plants that have traditionally been used as a back-up to provide a reliable, steady supply of energy.

Wind Infinity believes that technologies like battery storage systems – supporting the integration of more low-carbon power, heat and transport technologies – could save the world energy system hundreds of billions of euros by 2050, ultimately reducing people's energy bills.



Provide a reliable, steady supply of energy

Increases the value of clean energy

Help achieve net zero carbon production

Supports the integration of more low-carbon power, heat & transport technologies

Reducing people's energy bills

batteries@windinfinity.com

BATTERIES & ENERGY STORAGE

How exactly does a battery storage system work?

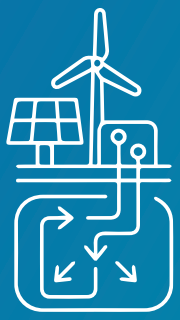
Battery energy storage systems are considerably more advanced than the batteries you keep in your kitchen drawer or insert in your children's toys. A battery storage system can be charged by electricity generated from renewable energy, like wind and solar power.

Intelligent battery software uses algorithms to coordinate energy production and computerised control systems are used to decide when to keep the energy to provide reserves or release it to the grid. Energy is released from the battery storage system during times of peak demand, keeping costs down and electricity flowing.

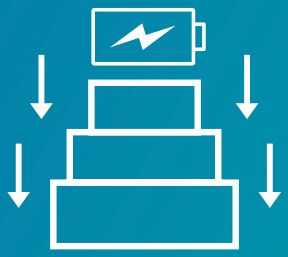
What renewable energy storage systems are being developed?

Storage of renewable energy requires low-cost technologies that have long lives – charging and discharging thousands of times – are safe and can store enough energy cost effectively to match demand.

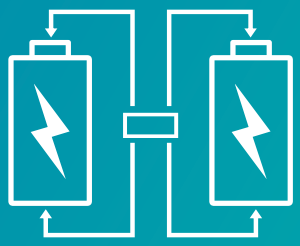
Lithium-ion batteries were developed by a British scientist in the 1970s and were first used commercially by Sony in 1991, for the company's handheld video recorder. While they're currently the most economically viable energy storage solution, there are a number of other technologies for battery storage currently being developed. These include:



Compressed air energy storage: With these systems, generally located in large chambers, surplus power is used to compress air and then store it. When energy is needed, the compressed air is released and passes through an air turbine to generate electricity.



Mechanical gravity energy storage : One example of this type of system is when energy is used to lift concrete blocks up a tower. When the energy is needed, the concrete blocks are lowered back down, generating electricity using the pull of gravity.



Flow batteries : In these batteries, which are essentially rechargeable fuel cells, chemical energy is provided by two chemical components dissolved in liquids contained within the system and separated by a membrane.

Please contact us at batteries@windinfinity.com to understand how our batteries and other energy storage capabilities can support your project.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MARKET INTELLIGENCE

WORLD OFFSHORE WIND

Offshore wind today is only 2% of what the world needs to get to net-zero by 2050. Offshore wind together with solar energy demand have the biggest growth potential of any renewable energy technology.

2020 was the second-highest year for offshore wind installations despite COVID disruptions, following a record year in 2019, The world installed 6.1GW of offshore wind in 2020, led by China. A growing group of countries has identified Offshore Wind as a key technology for reaching energy generation and climate targets, but governments now need to follow up on commitments and work with industry to allow investment to scale up rapidly in order to lower costs and provide a sustainable growth pathway to this industry.

According to the Global Wind Energy Council (GWEC) in its Global Wind Report 2021, the entire global wind power fleet, both onshore and offshore, totalled 743 gigawatts (GW) at the end of 2020. That is enough to avoid more than 1.1 billion tonnes of CO2 globally – roughly equivalent to the annual carbon emissions of Japan, the world's fifth-highest emitting country.

But wind markets are continuing to grow as the industry matures and costs of deployment come down, and GWEC says current growth rates will need to triple worldwide by 2030 in order to set the right course to meet mid-century climate targets.

At Wind Infinity we monitor global Wind activity, and we believe the below counties have demonstrated key developments towards Offshore Wind Energy generation projects and demonstrated the highest level of activity on a global level:

- China
- Denmark
- France
- Germany
- Japan
- Korea
- Norway
- Portugal
- Spain
- Taiwan
- United Kingdom
- United States of America

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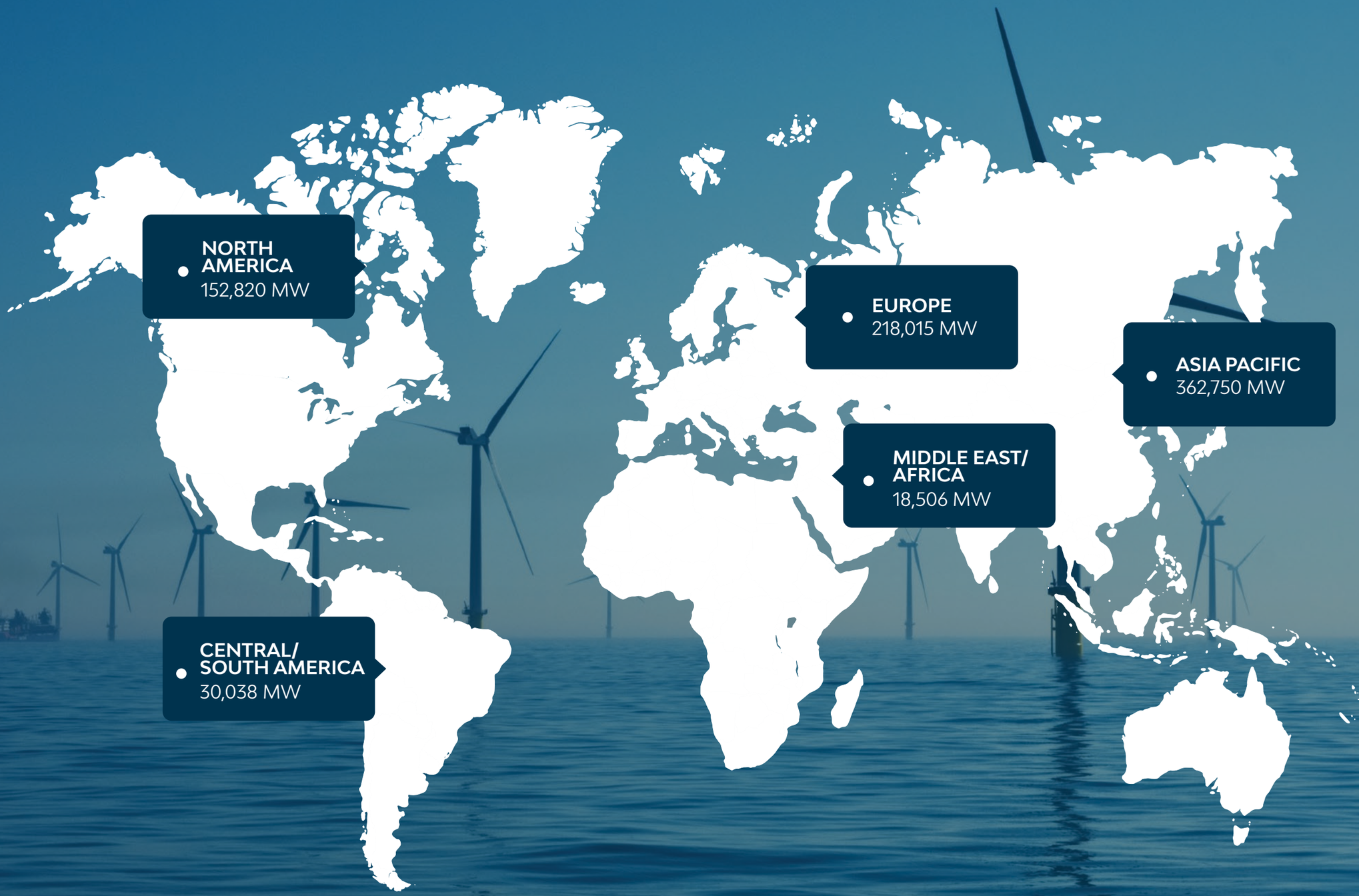
REGIONAL ACTIVITY

REGION MW TOTALS DECEMBER 2021



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DEVELOPMENT IN KEY MARKETS (REGIONAL ACTIVITY)

EUROPE

As a frontrunner in the energy transition, the EU currently has at least 82 interconnectors across 22 borders, and grid integration is also strong in regions like Central America. The EU currently has the largest floating wind energy capacity in the world - about 70% of the total. By end 2020, the total installed wind energy capacity could reach 210GW, equivalent to supplying 14% of electricity demand. By 2030 it could reach 350GW, supplying up to 24% of electricity demand.

SOUTH EAST ASIA

This region stretches from Myanmar to Papua New Guinea and includes Thailand and the Philippines. The 10 countries in the Association of Southeast Asian Nations (ASEAN) are home to 615 million people, fast-growing economies and rising energy demand. ASEAN has set an aspirational regional renewable energy target: to derive 23% of its total primary energy supply from renewables by 2025. Vietnam is leading the pack in Southeast Asia for wind power installations with 3.98GW installed as of October, up from 103MW in 2020.

CHINA

2020 is the second year of an offshore wind installation rush in China as project developers have to get their projects fully grid-connected before the end of 2021 in order to qualify the 0.85RMB/kWh FiT. In October 2020, more than 400 companies in the Chinese wind industry adopted the Beijing Declaration which aims for 50 GW of annual installations from 2021 to 2025 and 60 GW from 2026 onwards. This would bring China's cumulative wind capacity to 800 GW by 2030 and 3,000 GW by 2060.

NORTH AMERICA

In North America, the PTC will remain as the primary driver to support the US onshore wind growth in the next five years. Onshore wind installations in the US are likely to decline in 2022 and 2023 but can be expected to bounce back in 2024 and 2025, driven by the PTC extension enacted in both 2019 and 2020.

SOUTH AMERICA

A new installation record is expected in Latin America in 2021, but the region is still a mixed picture in terms of government support, economic stability and grid capability on a country level, and annual growth in this region is likely to drop back from 2022. Brazil, Chile, Mexico, Argentina and Colombia are expected to be the top five contributors to regional growth in the next five years. In parallel to existing auction schemes, private auctions or bilateral PPAs have emerged as an alternative to drive the growth in this region.

APAC

Many commentators predict that Asia Pacific will continue to outperform other regions as a market for the investment and development in renewable energy over the coming decade with capacity expected to increase by up to 2 terawatts by 2030 and the levelized cost of energy for renewables falling below fossil fuel alternatives within the same time horizon.

The potential of the amount of energy offshore wind farms can produce is great, which the International Energy Agency (IEA) confirmed in a released report that indicated offshore wind has the potential to generate more than 420,000 TWh per year worldwide.

DEVELOPMENT IN KEY MARKETS (REGIONAL ACTIVITY)

AFRICA

Endowed with substantial renewable energy resources, Africa can adopt innovative, sustainable technologies and play a leading role in global action to shape a sustainable energy future. Resource assessment and zoning exercises for the ACEC (African Clean Energy Corridor) region, revealed an aggregate economic potential of up to 3,834 GW for wind, 15,334 GW for solar PV and 5,282 GW for solar CSP.

The continent could meet nearly a quarter of its energy needs from indigenous and clean renewable energy sources by 2030 and increase the share of renewables in its total energy mix to as much as two-thirds by 2050.

MIDDLE EAST

New installations in this region will double in 2021 and then triple in 2022 compared with 2020. Such growth momentum is unlikely to stop during the rest of the forecast period. On average, 3.2 GW of new capacity is expected to be added each year in Africa/Middle East in the next five years (2021-2025), which is primarily driven by growth from Egypt and Morocco in Africa and Saudi Arabia in the Middle East.

Contact our team to learn more about developments in major offshore market regions and how we can support in advancing offshore project intelligence@windinfinity.com

DEVELOPMENT IN KEY MARKETS (COUNTRY SPECIFIC)

FRANCE

France has taken bold steps in supporting the floating wind sector by tendering four pilot sites in 2015 and awarding these in 2016. The winning consortia will receive 240 EUR/MWh. Each project has chosen a different floater design which will support three 8 to 10 MW turbines per site. While all projects have progressed significantly, the planned completion dates will be pushed into 2023. Nevertheless, the strong involvement of French stakeholders to date and the prospect of three 250 MW tenders from 2021 to 2023 should drive developments forward.

NORWAY

Norway is very serious about realizing floating wind projects. On 1 January 2021, the Norwegian government is opening up for applications for offshore wind in two coastal areas: Utsira and Sørlige Nordsjø 2. The average water depth at Utsira is 267 m and only suitable for floating wind. Sørlige Norsjø 2 has an average water depth of 60 m with areas suitable for both floating and bottom-fixed wind. Norway is also home to the world's largest floating wind farm, the 88 MW Hywind Tampen which is currently under construction.

UNITED KINGDOM

The UK has two offshore floating wind farms, Hywind Scotland and Kincardine, both located off the eastern coast of Scotland. The development of new floating wind project is supported by the new seabed leasing programme – ScotWind Leasing - with the Crown Estate Scotland targeting multiple floating wind projects for development. The UK Government has committed to support innovation in floating wind, through the UK Offshore wind Sector Deal, including Investment in research and development to increase productivity and competitiveness of floating sub-structures.

UNITED STATES

There are significant floating wind resources to be harnessed in US waters. Currently, there are two primary markets that are being evaluated for floating wind: the Pacific Coast and the Gulf of Maine. The key driver in realizing development are aggressive state renewable energy targets. However, the federal leasing process through the Bureau of Ocean Energy Management has not opened up these ocean spaces for development yet. While there are call areas that have been identified, the auctions to lease these areas have not happened, though could happen as soon as late-2021 in California.

JAPAN

Deep waters and strong winds make Japan one of the most attractive countries for commercializing floating wind energy. In April 2019, the Ministry of Economy, Trade and Industry and the Ministry of Land, Infrastructure, Transport and Tourism jointly enacted the Offshore Wind Promotion Law which regulates an open tender process for offshore wind development in open seas through auctions. This is a big breakthrough for Japan. A floating wind site in the Goto Islands competed in the round 1 auctions. In addition, developers are looking at other potential areas to be taken up for public tender.

SOUTH KOREA

Floating wind is a viable solution in South Korea, which currently has more than 40 offshore wind farm demonstration sites. Ulsan is the centre of the floating wind business with five major overseas companies - Green Investment Group (GIG), Copenhagen Infrastructure Partners (CIP), Shell/CoensHexicon, KF Wind Korea, and Equinor - who have signed a Memorandum of Understanding (MOU) with the city for 7 GW of expected capacity and more than 40 trillion Korean won (approx. 30 Billion EUR) in investment.

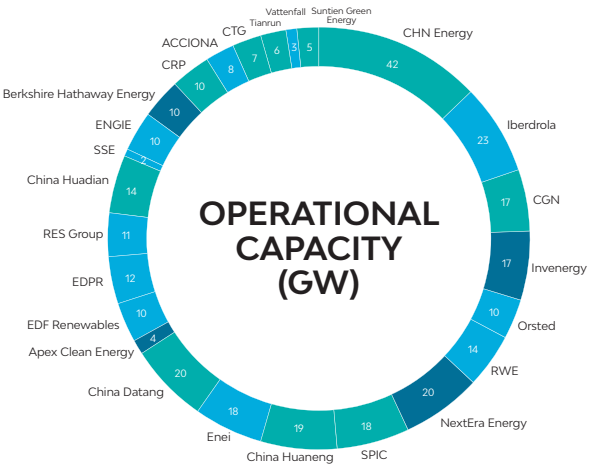
TAIWAN

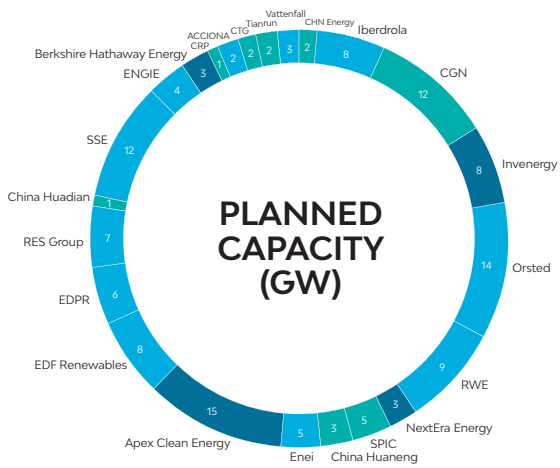
Taiwan's offshore wind ambition is widely recognised as one of the most exciting emerging markets for offshore wind, driven by global coal retirement and a vision for a green economy. Taiwan has abundant wind resources however a lack of space on land means that most major developments are offshore. As of February 2020, there were 361 installed onshore turbines and 22 offshore turbines in operation with the total installed capacity of 845.2 MW. The combined production value of Taiwan's wind and photovoltaic (PV) power industries is forecast to surpass NT$2 trillion (US$71.94) billion by 2025, with the country making plans to invest heavily in the development of renewables.

Contact us at intelligence@windinfinity.com to find out more about how we can help you connect with our global network of suppliers to meet your project needs.

CLIENT TARGETED

At Wind Infinity, we are proud to be able to deliver quality global standards and a wide range of services to our clients connecting them with our network of suppliers, research data specialists and partners spanning across all wind, Solar and Green Hydrogen sectors.





The above table highlights the top developers of wind energy by Capacity. China, Europe and North America dominate the scene. Please contact us at intelligence@windinfinity.com to understand more of what is available and how we can support your plans.

The suppliers' playing field is also changing rapidly, the top six turbine suppliers now control nearly three-quarters of the global market. More than half of the turbines installed in 2019 were in the Asia-Pacific region, strengthening the existing export hubs of China and India, and giving rise to new suppliers as East Asia and South East Asia markets build their offshore wind capacity.

We currently also see a substantial transition from traditional Oil & Gas Companies to Energy Companies with a special focus on Renewables Wind, Solar and Hydrogen. Companies such as Dong now Orsted from Denmark are the global leading transition players but new transition players such the French Total and Norwegian Equinor are currently repositioning themselves as new Green Energy Players.

To understand more of what is available and how we can support your plans, please contact us at intelligence@windinfinity.com.


WIND INFINITY

STRATEGIC ALLIANCES AND M&A

STRATEGIC ALLIANCES

Long-term value creation in the new Green Industry. How can one cater for all changing demands of Wind Energy, Solar and Hydrogen? Different markets, legislation, consumer preferences vary dramatically, and typical cross border deals are most of the time not happening as the local Purchase Power Agreements / local clients although provide long term contracts and solid returns also quite often provide local constrains to international players.

We can support you in this journey. It is all about shaping the strategic rationale for the partnership and find the right partners. We also help you determine the desired outcome, measure progress, and adjust course, as needed, to align strategy, value, and goals for all partners and key stakeholders.

GOVERNANCE

Structuring a partnership is as much about the legal document that will shape the long-term relationship as it is about mutual understanding of contributions, operating approach, boundaries, and key criteria for managing the relationship. We help clients establish governance models that guide ventures toward their desired outcomes.

OPERATING MODEL

Making partnerships operational can be the most demanding stage of these transactions, requiring a single culture, joint road map, and shared management of talent, assets, and processes.

MERGERS & ACQUISITIONS

Some companies treat M&A as a strategy. That's not our view. Instead, we believe M&A is an important enabler of strategy and long-term value. We work closely with Energy clients to create a clear M&A blueprint that accelerates their progress toward strategic goals

BROAD PERSPECTIVE ON M&A

We help clients determine which sectors and functions offer the most potential, based on deep understanding of industry value chains and the underlying economics. We also help assess capabilities to execute a given transaction, determine what investors are willing to support, and identify sources of advantage relative to competitive offerings in the green arena.

Long-term Objective view
Our insights and fact-based view help clients determine how well M&A programs enable strategies, support growth, and provide value to shareholders towards green energy demands and net zero carbon strategies.

Unrivalled specificity
Successful M&A programs require precision to find the best targets at the best valuation. Our Green M&A blueprints reflect clients' unique competitive advantages and take market and regulatory trends into account.

Contact us at alliances@infinity.com to find out more about how we can support your business and projects to reach it's full potential.

INTERNATIONAL FINANCE

WIND INFINITY

INTERNATIONAL FINANCE

Wind Infinity International Finance Division is a specialist climate and impact fund manager, leading the clean energy transition in mature and emerging markets. We work closely with many climate and impact fund managers working with companies who seek the prospect of a brighter future to lead the clean energy transition globally.

With experience in sustainable finance and on-the-ground value generation, we have supported companies in Europe, Africa and South East Asia to date. We engage with multiple investment platforms aimed at financing innovative solutions to address climate change and deliver positive energy impact wherever we are.

Innovation and adaptability are the foundation of what we do in bridging green energy projects to suitable finance options that materialise your project. We create novel financing solutions and business models which often serve as new sector benchmarks, breaking down traditional barriers and inspiring others to follow our vision.

Your future, funded
By providing both practical advice and financial support Strategy, we give you the space to think ahead and dream big.

Put our power behind your purpose
With our support, you can stay focused on your goals, while we give you the support, structure and money - debt or equity – so that your green project is successful.

INVESTORS

Secure clean returns
For investors who recognise the potential of clean energy, Wind Infinity offers impact investing from a position of security and dexterity, supporting projects that generate financial, social and environmental returns.

Wind Infinity will support you tap into this lucrative market, identifying authentic projects with high potential, mitigating risk and aligning with local policy and global goals.

COMMUNITY

Join us at the edge
Wind Infinity is leading thought and building momentum in the transition to a brighter future.

We're leading the transition to renewable energy, and the more momentum we can all build, the more obstacles we can overcome together.

Experience Green - True impact in your community.
Our track record shows that the future we imagine is possible.
We welcome your participation, which will add power and pace to the transition.
We generate the right kind of returns by investing in impactful, future-proof projects that will remain strong as the world transitions even more towards clean energy.

"Powering tomorrow starts today. Wind Infinity aims to put together the discipline of a development bank with the agility of a small private company."

To understand more of what is available and how we can support your business, please contact us at financing@infinity.com

CONSULTING AND ADVISORY

We are not meeting Paris Convention ambitions; there is a short window of opportunity to close the gap. Unfortunately, renewable energy currently often supplements rather than fully replace thermal power generation. By 2030, global energy-related CO2 emissions are likely to be only about 10% lower than 2019 emissions, and by 2050 only 45% lower. This is in sharp contrast to ambitions to halve GHG emissions by 2030 and to achieve the net zero emissions by 2050 required to limit global warming to 1.5˚ C.

As CO2 emissions continue to accumulate, the window of opportunity to act narrows every year. Relying on large scale net-negative emissions technologies and carbon removal in the latter half of the century is a dangerous, high-risk approach. With global warming, every fraction of a degree is important, and all options to reduce emissions need urgent realization. Electrification is surging even stronger ahead, and renewables will outcompete all other power sources. Electrification is by far the most dynamic element of the energy transition. The share of electricity in final global energy demand is set to double from 19% to 38% within the next 30 years.

Solar PV and wind are already the cheapest form of new power almost everywhere, and within a decade will also be cheaper than operating existing thermal power in most places. By 2050, solar and wind will represent 70% of grid-connected power generation, and fossil power just 13%. Connectivity, storage, and demand-response will be critical assets in the decarbonized power system.

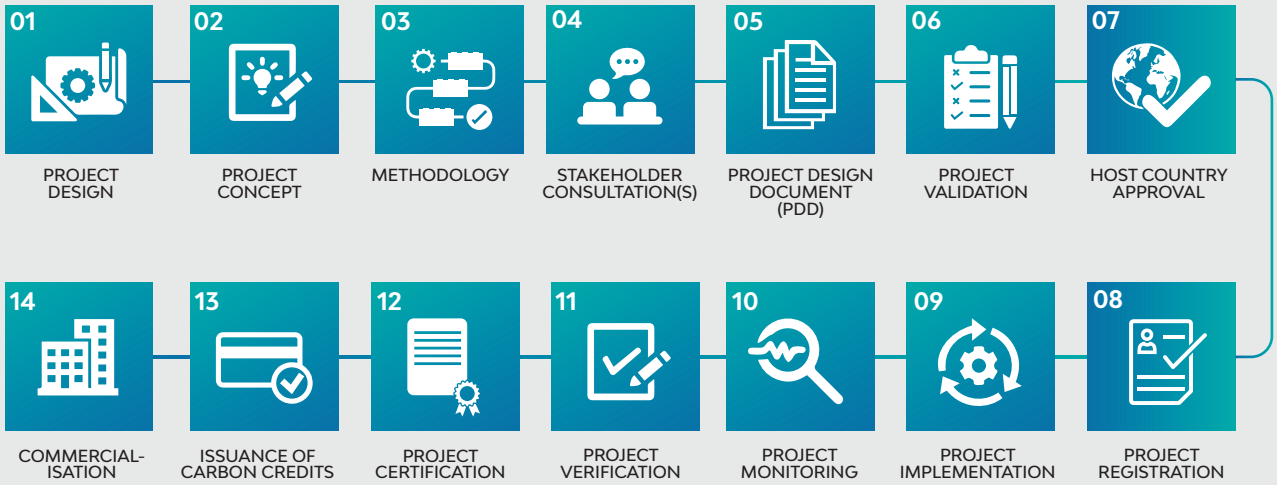
On the demand side, passenger and commercial EV uptake is rising quickly in Europe, China, Korea, Japan and US, cost reductions and technology improvements in both batteries and charging infrastructure will drive a rapid expansion. It is expected that by 2030, half of all new passenger vehicles sold globally will be electric, with some regions lagging owing to infrastructure challenges. The world is changing yet again at an unparalleled pace. This creates many challenges but also many opportunities.

Are you prepared for the journey ahead? At Wind Infinity we work shoulder-to-shoulder with our clients to achieve and sustain transformational impact over time. We ensure the right mechanisms are in place and work with client teams to make their organizations capable of driving and sustaining change. Please contact us at advisory@windinfinity.com to see how we can help you mitigate your challenges and obstacles but also how can you take advantage of the many opportunities available which are quite often unrealised.

GREEN ENERGY CARBON CREDITS AND CO2 MITIGATION

To tackle the global demand of transition to renewable energy, Wind Infinity has extended our market reach in key renewable energy sectors such as Solar and Green Hydrogen. At Wind Infinity we can support you in Developing, Creating, Marketing and Commercialising your project's potential assisting our clients through the different steps in order to ensure high integrity projects and high-quality assurance with certified carbon credits. Our services in this specialty area are concentrated as shown in this project timeline for a Clean Device Mechanism (CDM) and Voluntary Offset Program.

CLEAN DEVICE MECHANISM PROJECT TIMELINE



CORE COMPONENTS OF A VOLUNTARY OFFSET PROGRAM

If you would like to learn more about how your business can reduce your carbon emissions and make an positive environmental impact contact us at contact@windinfinity.com

RENEWABLE ELECTRICITY CERTIFICATES

RE100 is the global corporate renewable energy initiative bringing together hundreds of large and ambitious businesses committed to 100% renewable electricity. Led by the Climate Group and in partnership with CDP, their mission is to accelerate change towards zero carbon grids at scale.

RE100 members have global operations and span sectors from manufacturing and pharmaceuticals, to fashion and technology.

RE100 member companies are already driving enough renewable electricity demand to power a medium sized country. Together they send a powerful signal to markets and governments about the demand for renewable electricity.

Wind Infinity will work with you in light of RE100 and facilitate the process and preparations to make your project aligned with EAC Schemes and in doing so, generate Renewable Energy Certificates (REC, IREC) that can be sold to RE100 member companies and other corporations around the world seeking to offset their Scope 2 emissions or make the switch to renewable energy. This provides you additional revenue strings not initially expected for making your project financial viability even better in the long run.

RESEARCH AND DEVELOPMENT

It is all about innovation!
Wind Infinity works closely with the European Union and other governments bodies that provide R&D grants related to projects that support a green energy transition. A new sub-programme of the LIFE Programme will be dedicated to clean energy transition. It will offer support to deliver on sustainable energy-related polices that contribute to reach the European Green Deal objectives.

Together, the institutions we work with allocated several billion Euros for the period 2021-2027, the sub-programme aims to facilitate the transition towards an energy efficient, renewable energy based and resilient economy by funding coordination and support actions across Europe and the world.

Please contact us at innovation@windinfinity.com to see how we can work together to make the world a better place.

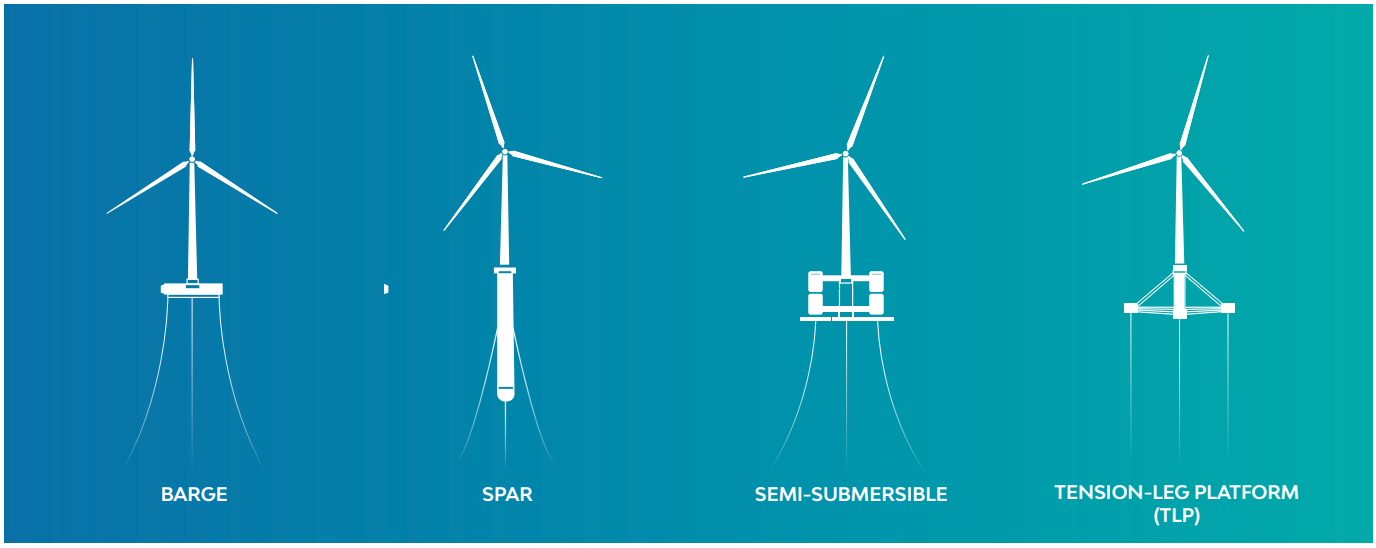
TODAY'S TECHNOLOGY

WHY FLOATING WIND?

Floating wind is attracting increasing investment and public policy support because it can access the estimated 81% of total offshore wind electricity generation potential that is in waters deeper than 40 metres. There, wind is more consistent, but using bottom-fixed offshore wind support structures may be less feasible technically, logistically and economically, or just plain impossible.

WHAT TYPES OF STRUCTURES ARE INVOLVED?

Floaters aim to keep turbine assemblies afloat and in stable-enough positions to optimize power generation efficiency by countering complex ocean and wind motions. Four broad types are currently being used in floating wind pilot and demonstration projects made from steel or concrete. Three floater types – barge, semi-submersible and spar buoy – are moored to seabed anchors by chains, steel cables, or fibre ropes. The fourth type of floater, a tension leg platform (TLP), is vertically moored with teethers or tendons 'tension legs'. Very strong cables, pipes or rods link the legs to seabed anchoring. Different anchor types can be used depending on the type of mooring system, soil condition and expected environmental loads



HOW ARE FLOATING WIND STRUCTURES MADE AND INSTALLED?

Floating wind turbines may be assembled onshore or in dry dock, then towed out by conventional tugs. Where fabrication sites with sufficient water depth are available, fitting towers and turbines can be done inshore prior to towing the full assemblies out to final location. With their large drafts, spars may need to lie horizontally for towing to site where they are then tilted to float vertically and ballasted prior to a crane barge mounting the turbine. TLPs can be assembled onshore and in dry dock. Some developers think TLPs could be towed to site, but special-purpose vessels may be needed.

Contact us for enquiries on how we can support your projects with the latest technologies intelligence@windinfinity.com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