



**GR2 ENGINEERING**

GLOBAL EXPERIENCED INNOVATIVE

# GR2 ENGINEERING

## RENEWABLES

December 2022

**PE+LS** Texas Board of  
Professional Engineers  
& Land Surveyors  
**REGISTERED**



# HISTORY

## HOW GR2 ENGINEERING STARTED

- As the industry evolves and projects become more complex in scope and technical features, we saw an opportunity to bring together a **team of experts** – each with unique experience – and develop a firm that can provide **agile, effective** and **customer-focused** project services from project development to construction management by utilizing unique but proven, **technologically robust** but practical solutions and techniques for successful project outcomes.
- We bring together the many years of global experience of each team member and deliver **customized solutions** for our clients worldwide. Our **innovative digital execution platform** seamlessly connects clients with highly-qualified, experienced resources all around the world for consulting, engineering, procurement, fabrication, construction management, and project management.

We provide environmentally conscious, socially responsible engineering and project development services at the highest ethical standards to our global clients.

We aim to become a global leader by delivering advanced U.S. technology solutions, project services, and equipment to global capital projects cost-competitively at the highest safety and quality standards.

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# OUR COMMITMENT TO ESG



## Environment

- We are aligned with the sustainable development goals of the United Nations as a mechanism to promote environmental conservation and mitigate the impact of climate change.
- Environmental responsibility is built into our designs
- Not only focus on «what we deliver» but also «how we deliver» the results by keeping environment as a main priority



## Social

- We embrace the diversity of our team members, stakeholders, and customers, including their unique backgrounds, experiences, skills, and talents
- We support a broad range of organizations that are working to educate and build a safer, healthier and sustainable future for all



## Governance

- Our management team is committed to sustainability.
- Responsible, ethical sourcing from reputable vendors and suppliers
- Focuses on providing environmentally conscious, socially responsible engineering and project development services at the highest ethical standards for sustainable energy and infrastructure development.



## OFFSHORE WIND DEVELOPMENT MILESTONES



- Identify promising offshore wind project opportunities
- Develop project concept with the local public authorities and private investors
- Seek and secure seed funding from various sources for project definition
- Identify key stakeholders
  - Investors, developers, off-takers
  - Policy makers, regulators
  - Technology, services, and equipment suppliers
- Facilitate early discussions on power sales and purchase agreements
- Execute the FEED study and bring the project to a shovel-ready level
- Support and facilitate funding activities for the final investment decision.

GR2 has experience developing sustainable capital projects globally and successfully supporting public and private organizations to reach sustainability goals per the 2015 Paris Climate Accord and COP26.

# PROJECT CONCEPT

## OFFSHORE WIND



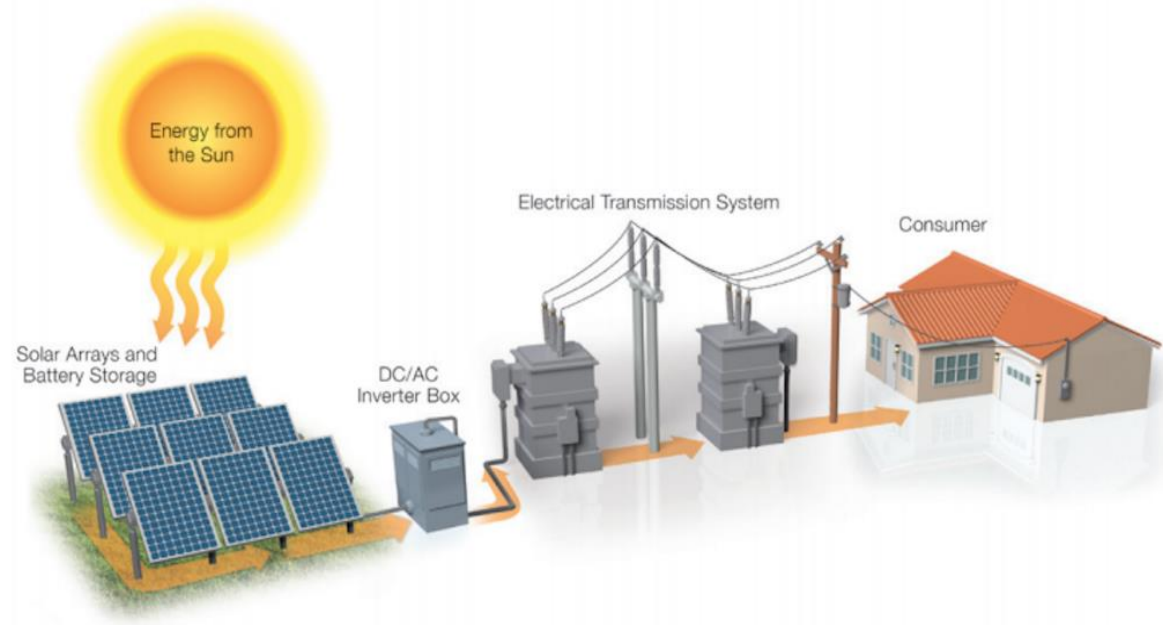
### 20MW Offshore Wind Project Concept:

- Project nameplate capacity is 20MW and is scalable based on power needs
- Project aims to use floating offshore wind technology to provide renewable wind power to offshore oil production platforms instead of platforms burning diesel fuel or natural gas for onboard power needs
- Floating steel foundations supporting the wind turbine generators will be anchored to the seabed thru suction anchors and tether lines
- Inter Array Cables will be laid between turbines
- Export cables will be laid to offshore platforms to deliver renewable power
- A second export cable line will be laid to shore to provide the excess power to the local grid
- Project is flexible and can be further paired with onshore or offshore battery storage facilities to flatten power demand fluctuations, hence ensuring grid stability

## SOLAR PROJECTS

# TECHNICAL AND COMMERCIAL ADVISORY

- State and federal regulatory affairs
- Feasibility studies
- Supply chain management
- Land selection and acquisition
- Construction Permits
- Operating Permits
- Owner's engineering
- Project management
- Engineering, Procurement, Fabrication, and Construction Management
- Start-up and commissioning



# Q&A

2900 Wilcrest Drive  
Houston TX, 77042 U.S.A  
+1 (281) 766-0610  
[info@GR2engineering.com](mailto:info@GR2engineering.com)