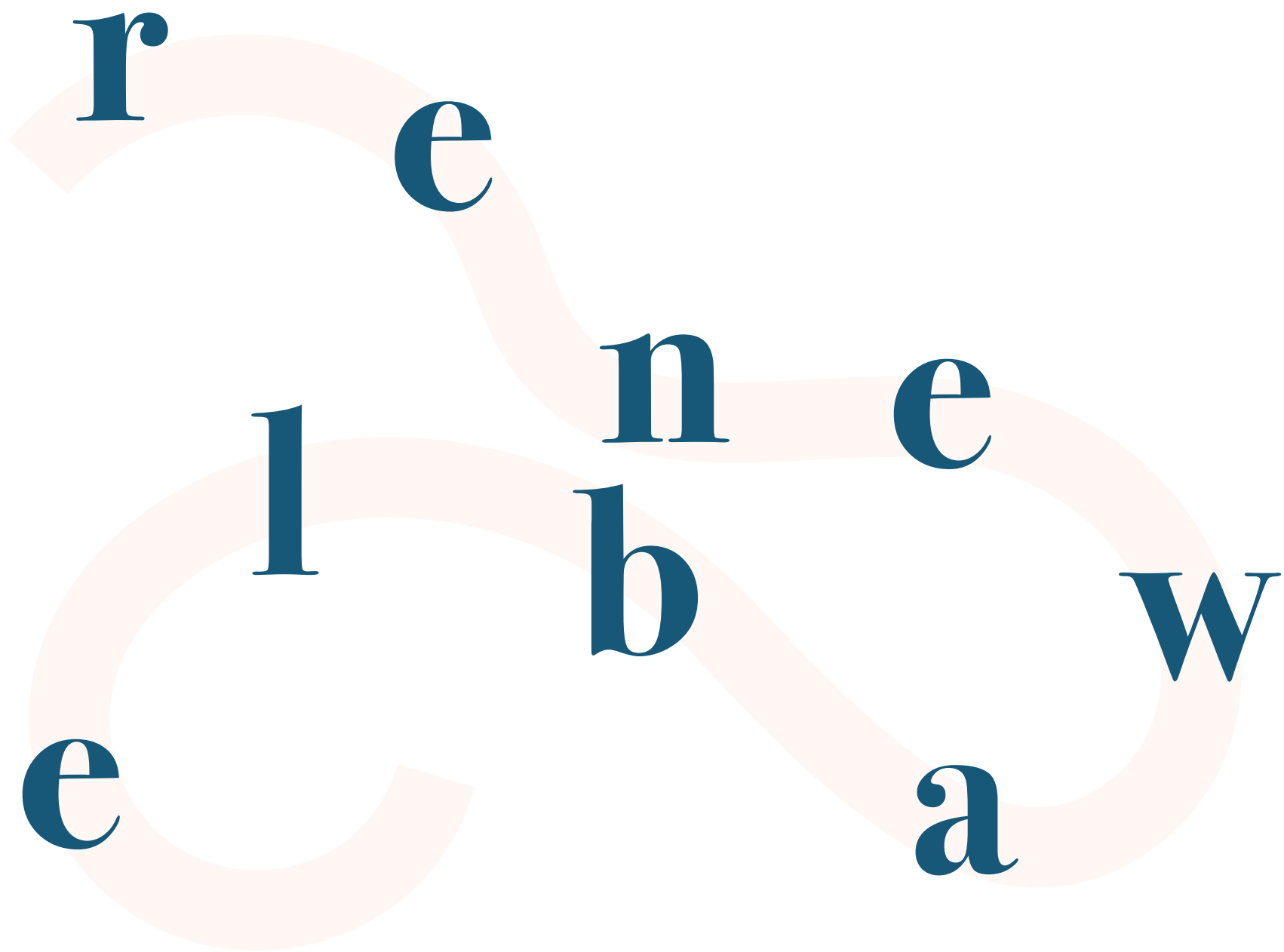


XGEN ENERGY

www.xgen.com.tr





renewal
baw

The image features the words "renewal" and "baw" in a dark blue, serif font. The letters are arranged in a way that suggests they are part of a larger, continuous flow. Two thick, wavy, light orange lines weave through the text, creating a sense of movement and connection. The line starts at the top left, curves around the "r" and "e" of "renewal", then dips down to pass behind the "b" of "baw", before rising again to curve around the "a" and "w". The overall composition is dynamic and artistic.

XGEN Energy is a new generation engineering company which provides services and products for wind and solar market since 2010.

XGEN Energy provides turn-key wind measurement campaigns include installation of met mast, commissioning of electronics, gathering valid measurement data, preventive maintenance and services. Wind measurement electronics and met mast itself are also provided by XGEN Energy. Besides, XGEN energy is a local component manufacturer for the facilities have high-quality requirements such as tower manufacturers, blade factories and nacelle producers.

XGEN is an EPC supplier company for solar power plant investors, furthermore, provides technical due-diligence services for independent consultant companies. In addition, XGEN manufactures solar mounting structures as project specific and supplies as ready to build.

Plus, two different R&D projects are realized by XGEN. First one is small scale vertical axis wind turbine; WIND-ER which provides power output at the low wind speed sites. The other R&D project is solar powered water pump, called SOL-RX Pump which is developed by cooperation of XGEN & VANSAN and available for the export countries only.





**WIND
MEASUREMENT
CAMPAIGNS**



**MECHANICAL
PART
MANUFACTURING**




**MEASUREMENT
EQUIPMENTS**



**VERTICAL AXIS
WIND TURBINE:
WIND-ER**



**SOLAR POWERED
WATER PUMP:
SOL-RX**

A photograph of two construction workers in safety gear working on a large metal structure. The worker in the foreground is wearing a white hard hat, a black jacket, and a bright yellow-green high-visibility vest with the word 'GEN' and a logo on the back. The worker in the background is wearing a black beanie and a black jacket. They are both focused on their task, which involves working on a large, curved metal beam with many holes. The background shows a complex industrial or construction site with various metal structures and cables.

*Success depends upon previous preparation, and
without such preparation there is sure to be failure.*

Confucius

1. WIND MEASUREMENT CAMPAIGNS

XGEN provides turn-key wind measurement campaign solutions. We own our own met masts which fully comply IEC 61400 - 12 as followed heights and types:

- 60m
- 80m
- 105m
- 135m
- XMAST Series Normal Condition Masts
- XMAST-H Series High-Ice Type Met Masts
- XMAST-HP Series High-Ice Plus Type Met Masts

Besides, we also provide different type of met masts for different climate conditions: We are not only supply the met mast itself but also all the required mechanical parts like booms, anchors, hardware or guy wires.



2. MECHANICAL PART MANUFACTURING

High-quality-required welded and machining parts are manufactured for the industrial applications mostly the wind, solar and defence industry, more specifically as followed:

- Wind Turbine Internals
- Solar Mounting Structures
- Mechanical Parts for Nacelle Factories
- Lattice Met Mast Manufacturing
- Wind Turbine Blade Parts
- Other Industries



3. MEASUREMENT EQUIPMENTS

First step for a high quality wind measurement campaigns is to choose best measurement equipments. XGEN supplies all required sensors and data loggers for wind measurement campaigns. XGEN also supply after sale services such as free trainings to be sure that end user configures the measurement station well.

- Data Loggers
- Anemometers (Both cup and ultrasonic type)
- Windvanes
- Temperature & Humidity Sensors
- Pressure Sensors
- Data Cables
- Other Required Equipments



4. VERTICAL AXIS WIND TURBINE: WIND-ER

WIND-ER is a scientifically studied vertical axis wind turbine, engineered to maximize useful energy production of wind power. Because of its specific design, WIND-ER provides the maximum energy yield for sites of 5m/s average wind speed.

wind-er is a vertical axis wind turbine which converts kinetic energy of wind to clean electricity. **wind-er** has a power output of 0.5 kW and 1 kW with a swept area of 5,2 m² and it is suitable for the average electricity consumption of a family household. The small size of the **wind-er** helps for maximizing its aerodynamics performance.



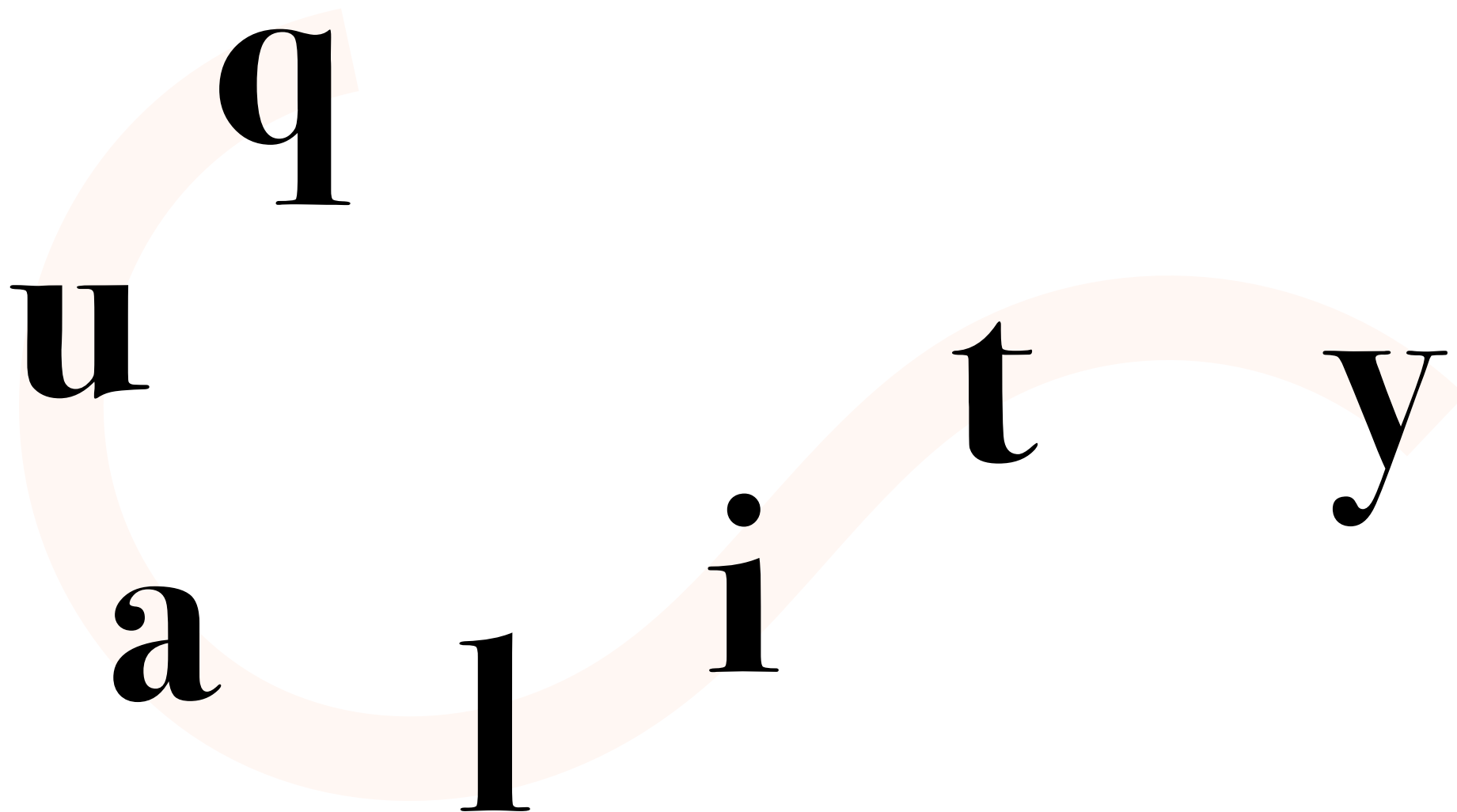
5. SOLAR POWERED WATER PUMP: SOL-RX PUMP

SOL-RX Pump is a solar powered water pump. R&D process of the SOL-RX PUMP is completed by cooperation of XGEN & VANSAN and exported all over the world now! With SOL-RX Pumps, it is possible to supply water from the desired depth without any need of grid or diesel generator.

With a capability of World's most reliable and cheapest energy sources solar, you can reduce your irrigation costs to zero and make your works easier. "All-InOne" is a SOL-RX concept that provides maximum energy from solar. With this concept, capital cost reduces and lifetime of the system gets longer.

SOL-RX
POWERED BY **vansan**





QUALITY DOCUMENTS



SOME REFERENCES



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