Company Name: **10 Fields Factory Japan Inc.** Philippine Company Name: 10 Fields Factory Philippines			Website: https://10-ff.com/
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Company Overview

10 Fields Factory, was established in 2002 and has as diversified its operations across various sectors, including the Smart Energy Division, which focuses on solar energy solutions, wind energy, and storage batteries to help commercial and industrial operations reduce energy waste and increase efficiency

Product Name	Product Description	Photo of Sample Product
Wind JIN (twin-shaft vertical turbine)	Wind JIN is a hybrid turbine of the Darius and Savonius types. By combining two types of blades, we have succeeded in capturing the wind without waste and increasing the rotation rate. **Features:** It is quiet with an average wind speed of 5 m/s and less than 50 dB (the same level as the outdoor unit of an air conditioner), so it can be installed anywhere.	
Darius type (vertical axis)	It is a windmill with blades that bend vertically and extend to catch the wind. This Darius type is suitable for power generation in urban areas because it has a low cost to construct, and it can rotate in any direction of the wind and does not make much noise even in strong winds. **Features:** Low noise, low cost. Although it is less susceptible to winds during strong winds, it does not choose the wind direction.	
Savonius type (vertical axis)	It is a windmill conceived by the Finns, and its maneuverability is good due to its large starting torque. There are various designs of the Savonius type, and it can be installed anywhere, and the sound is quiet during strong winds, so it is a design suitable for installation in the city.	

	Features: It can generate electricity even in weak winds, and although it is less efficient than the propeller type, it has a structure that does not cut the wind, so it has excellent quietness and can be installed anywhere.	
Propeller type (horizontal axis)	It is often used as a wind turbine for power generation. The number of blades is 1~5, and there are multi-wing types composed of many blades. In general, there are many three-bladed blades, and you can get a wide and stable output of the power band. Although it is necessary to control the wind direction, it can be used in conjunction with a mechanism that parries the wind in strong winds. **Features:** Less susceptible to wind during strong winds, but keeps stable output	
H-Darius type (vertical axis)	**Features:** Like the Darius type, it is omnidirectional with respect to the wind direction and is suitable for Japan, where the wind direction changes frequently. With low noise and vibration, it can be installed on the rooftops of buildings and other urban areas. It is highly customizable, and wings can be added or reduced according to wind conditions. Because it is a two-dimensional straight wing without torsion, it has a simple structure and can be manufactured at a low price.	
Multi-wing type (horizontal axis)	**Features:** There are many blades (about 20 blades), and the rotation speed is slow, but the torque is relatively large. From this it can be said that it is suitable for pumping water. It has been used mainly for pumping water by farmers and ranches in the Midwest. The rotational force is strong and the sound is quiet.	