

Go Green!

Case study: Example case of a 24 hour industry
based on a Puerto Rican situation



This case study is interesting when you have:

- Bad grid connection
- Expensive grid costs
- Expensive diesel costs
- Bad emissions of the current source
- Opportunities with interesting subsidies

Wind Energy Solutions B.V. - Bringing renewable energy everywhere



We can develop a solution based on your situation!

Type of Turbine WES80

Turbines 3 turbine(s)

Period 20 years

Wind data

Average wind speed 6,50 m/s

Hub height 30 meters

Ref height 80 meters

Output turbine(s)

Total kW/h per year 448219 kW/h

Availability turbine 95%

Available kW/h per yea 425808 kW/h

Cost of energy turbine(s)

Per year \$ 80.786,30

Per kW/h \$ 0,19

Cost of current situation

Cost of a diesel generator \$ 0,45 per kW/h

Cost of the grid energy \$ 0,22 per kW/h

Energy usage in current situation

Diesel generator 30%

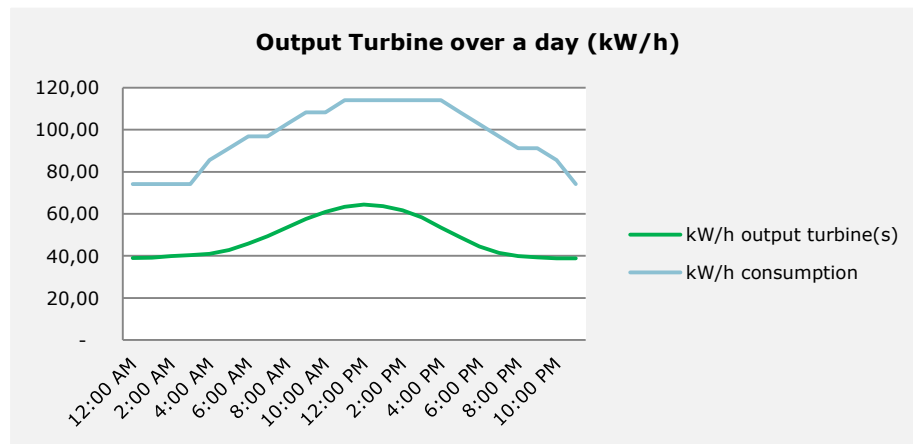
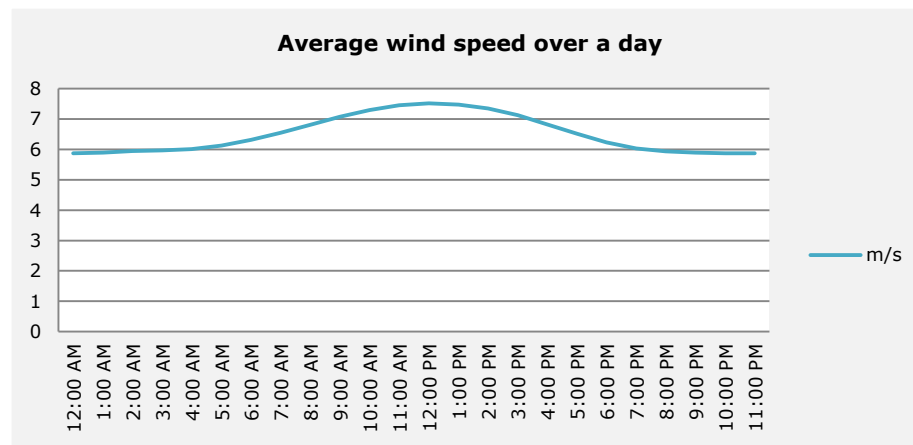
Grid energy 70%

Total cost current situation \$ 0,29 per kW/h

Total cost new situation \$ 0,24 per kW/h

Turnover of the turbine output \$ 0,29 per kW/h

Total profit after the project period \$ 1.203.279



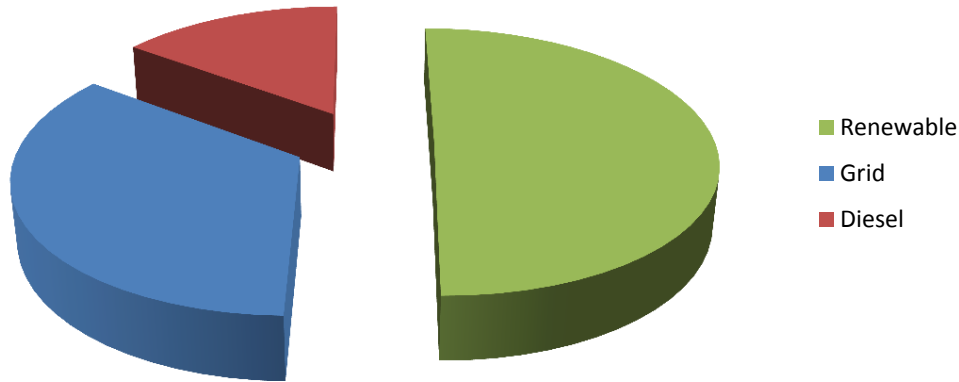


How green is your energy load?

With a WES turbine you build on a better and cleaner world! Below you can find the figures that show you how green your energy load should be if this case will be developed.

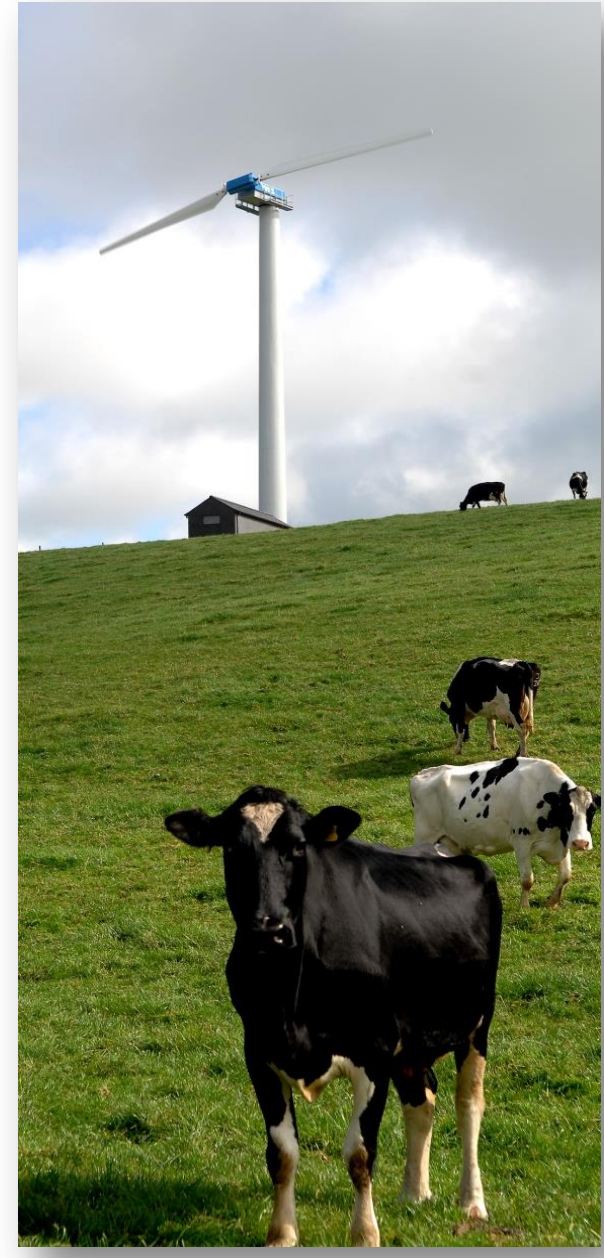
	kW/h a year	Percentage
Renewable	425808	50%
Grid	295100	35%
Diesel	126472	15%
Energy consumption	847380	100%

How green is your energy load?



50% **Green!***
35% **Grid**
15% **Diesel**

* This is exclusive any delivery of overload energy to others!





Interested in renewable energy?

Together with Wind Energy Solutions you can work on a great energy solution for your company and the environment.

Wind Energy Solutions has wind turbines in the range of 50 kW till 250 kW. These turbines can help you with a stable renewable energy source and can help you to reduce the energy costs!

Did this 'general case' have woken up your interest?, do you want a specific and more extensive case for your own situation?, contact us!

Wind Energy Solutions can be reached by:

Phone +31 (0)226 425 150

E-mail info@windenergysolutions.nl

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