

How to make a  
quality investment,

and save the world  
while You're at it.



# «*Investment means Risk*»

This is what we hear every day from television, read in financial papers and business literature, discuss with our friends and colleagues.

Stock markets crash, property value fluctuates, start-ups fail and it seems that nothing lasts forever...

**Except that some things do.**

## «*The wind is howling today*»

This is what we heard since our childhood, and this is what our children will hear in theirs.

The constant movement of air masses in the atmosphere; being there for thousands of years –

**and waiting to be converted into profit.**

We will not bother You with kilowatts, annual energy production curves and other technical details – though they are also something that we can be proud of.

We will show You only two things that matter – and both of them contain words „Return On Investment“.

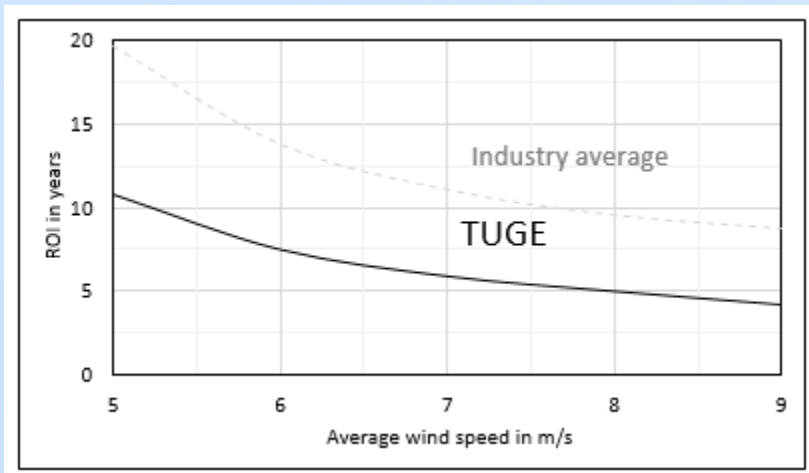
# ROI and eROI

Classical Return on Investment takes into account installation costs, lifetime maintenance costs and annual energy price increase.

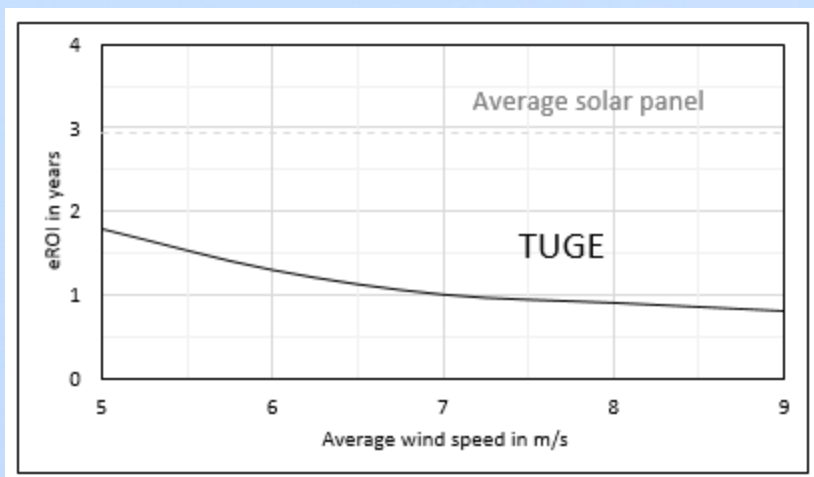
ROI was calculated for average installation cost of TUGE 20 kW wind turbine with electricity cost of 0.03 EUR/kWh and FiT of 0.15 EUR/kWh – on-grid solution.

Industry average installation cost is according to WWEA Small Wind Report 2016 and same energy output.

EU average electricity price increase is 4.6% per year (EUROSTAT 2016).



Energy Return on Investment shows how many years it actually takes for a wind turbine to start saving the environment!



Average solar panel data assumes EROEI of 6.8 and lifetime of 20 years.

TUGE 20 kW wind turbine manufacture emissions are placed at 23.6 t of CO<sub>2</sub>.

Coal-based grid electricity emission values are assumed to be around 550 g per kWh in average.

## TUGE Energia – we help You to invest!

Every serious investment requires research and preparation – and that is where we come in!

Everything from planning to providing more complex solar and battery storage solutions along with our core products: TUGE 10 and 20 kW wind turbines, made in EU!

## «Permanent installation on a test site»



In 2012 TUGE had performed IEC 61400-2 standard tests at an Intertek Semko AB test site on Åland archipelago. After the test was done, one of the farmers from the nearby island by the name of Kökar, Mr. Benny Mattsson, was so impressed with the TUGE turbine, that he decided to have it for himself!

*"After having a 10 kW TUGE wind turbine for about a year, I decided to install a 20 kW unit as well and I am very satisfied with that decision!"*

**- Mr. Benny Mattsson, owner of TUGE 10 and TUGE 20**

## «Wind and gasoline – hand in hand»

The coming of new should not mean the departure of old. This has been proven again by TUGE installation of a 10 kW wind turbine next to gasoline station back in 2014.

The turbine provides electricity for fuel pumps and outdoor lighting and excess electricity is sold to the public grid. It also compliments the gas station with its modern and sleek design.

What could be a better illustration for the motto "Looking to the future with Your feet firmly planted in the present"?



## Do You want to know more?

Contact us for ROI calculation tool, datasheets and more!



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