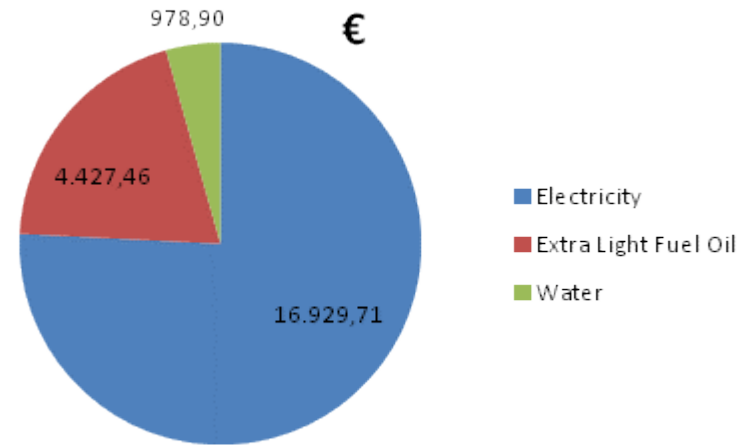
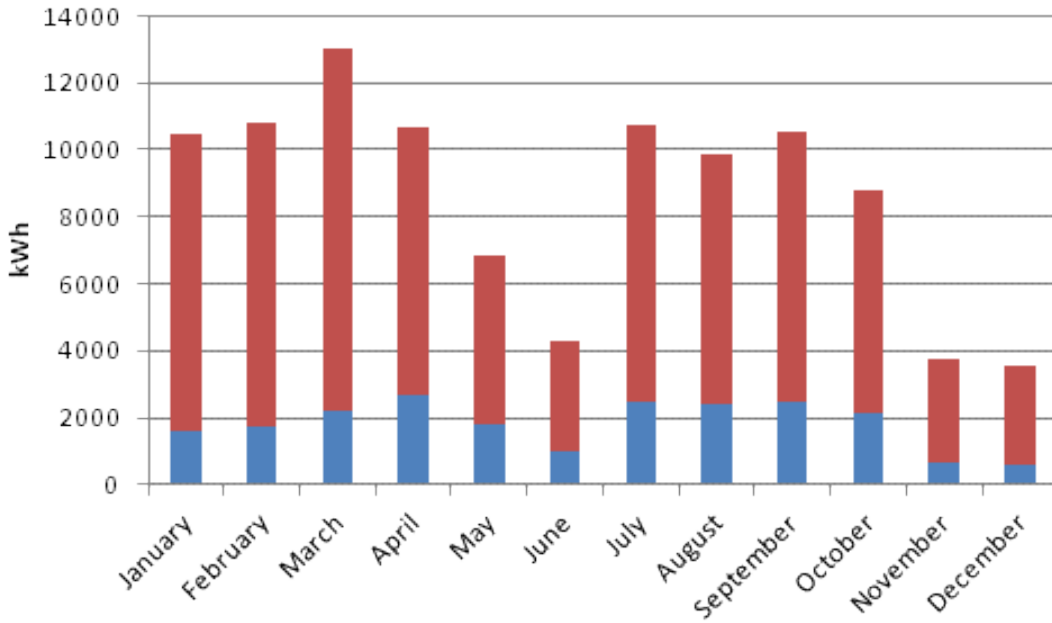




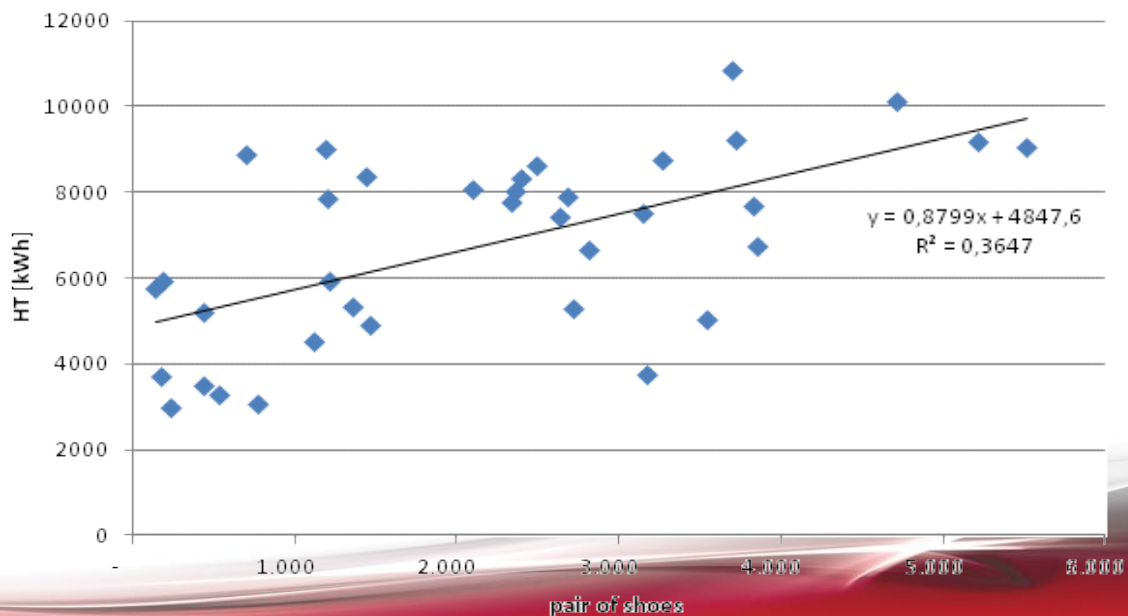
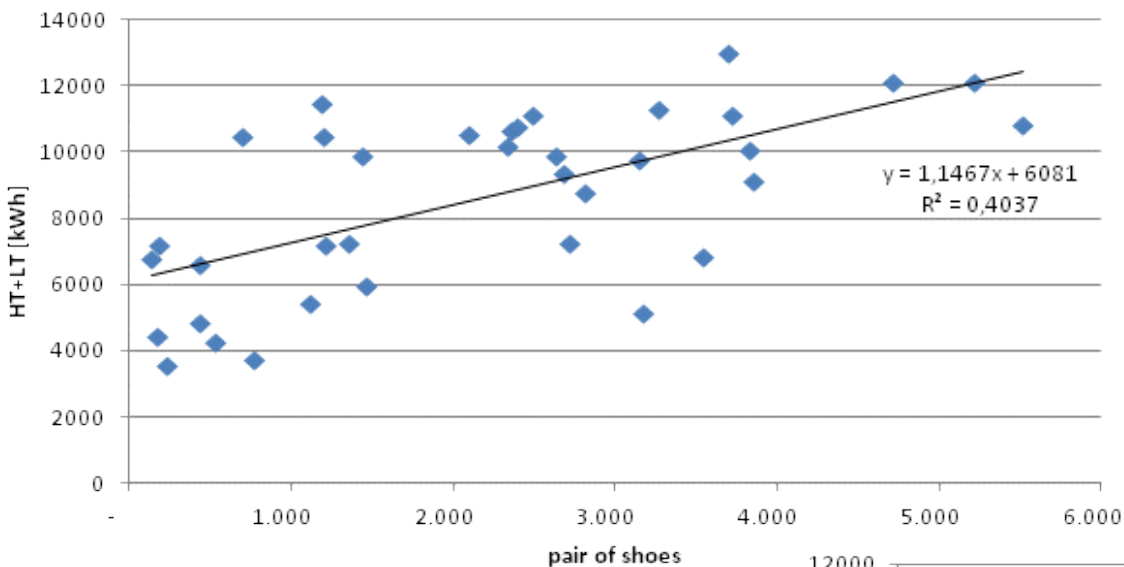
International Training Course on Business Planning for Energy Efficiency Projects

Istanbul, 20th June 2013

Consumption



Consumption



Short description

- Measure energy and water consumption via automatic meter readings and analyse the data
- Educate and motivate employees and implement soft energy efficiency measures
- Integrate new energy efficient technologies and install renewable resources of energy
- Certify new energy performances
- Extend our actions towards finally achieving nearly zero energy consumption

Cost and results

Design and engineering (energy audit, thermography, Feasibility study, Main design, Project documentation)	12.300,00
Land/infrastructure	-
Equipment (remote metering system, network equipment, PV's, inverters, T5 light bulbs,...)	60.000,00
Construction (instalation, work,...)	7.700,00
Operation cost	1.500,00
Others (programming, web aplication,...)	4.500,00
Total investments and revenues	86.000,00 €

- 40% lower energy expanses
- 40,000 kWh = 13.4 tCO₂

Outline financing plan

	Type (in <u>kind/equity/cash</u>)	<u>EUR</u>	<u>% of Total</u>	<u>Interest rate</u> (<u>cost of capital</u>)%
<u>Owner's Equity</u>	In kind	21,500.00	25	7
<u>Other Equity</u>	Cash	4,300.00	5	10
<u>Bank Loans</u>	Cash	47,300.00	55	7
<u>Other Loans</u>	-	-	-	-
<u>Grants</u>	Cash	12,900.00	15	0
<p>What kind of guarantees are available (bank/utility/government)? Governmental guarantees – HAMAG INVEST (Croatian Agency for SMEs and Investment)</p>				

Outline financing plan

Year	0	1	2	3	4	5	6	7	8	9
1. Capital investment	86	0	0	0	0	0	0	0	0	0
2. Revenue	0	10.00	10.25	10.51	10.77	11.04	11.31	11.60	11.89	12.18
3. Energy generation or savings	0	10.00	10.25	10.51	10.77	11.04	11.31	11.60	11.89	12.18
4. Other benefits and income	0	0	0	0	0	0	0	0	0	0
5. Operation & Maintenance cost	0	0.30	0.31	0.32	0.32	0.33	0.34	0.35	0.36	0.37
6. Other costs	0	1.20	1.23	1.26	1.29	1.32	1.35	1.39	1.42	1.46

Year	10	11	12	13	14	15	16	17	18	19
1. Capital investment	0	0	0	0	0	0	0	0	0	0
2. Revenue	12.49	12.80	13.12	13.45	13.79	14.1	14.13	14.48	15.22	15.60
3. Energy generation or savings	12.49	12.80	13.12	13.45	13.79	14.1	14.13	14.48	15.22	15.60
4. Other benefits and income	0	0	0	0	0	0	0	0	0	0
5. Operation & Maintenance cost	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.45	0.46	0.47
6. Other costs	1.49	1.53	1.57	1.61	1.65	1.69	1.73	1.78	1.82	1.87



THANK YOU!

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