

1. Identification of the project

Name of the project beneficiary:

Name of the investment project:

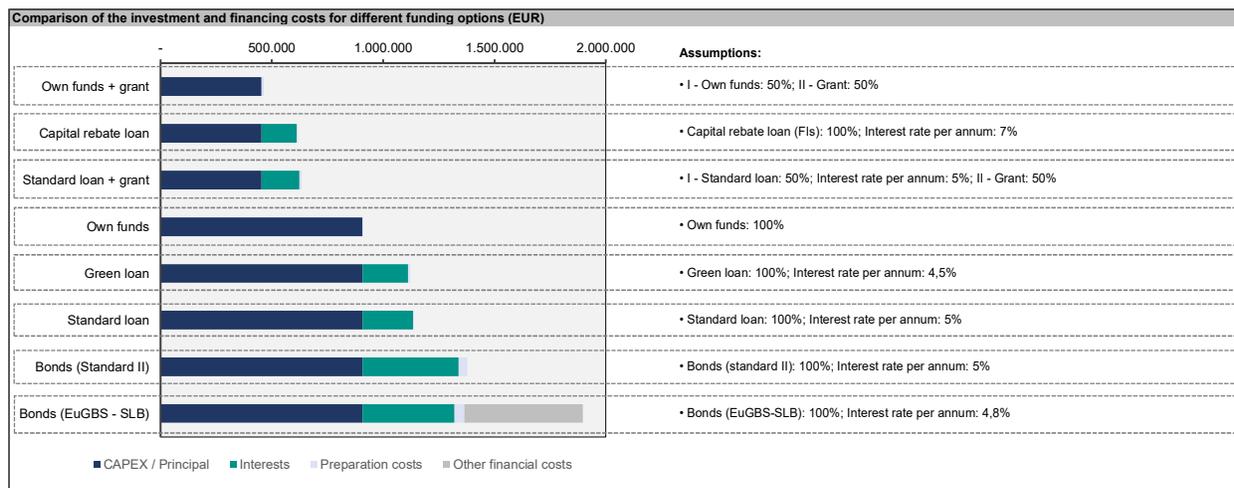
2. Summary of the operating assumptions

CAPEX	(EUR)
Estimated cost of planning processes	-
Estimated cost of installation	577.300
Estimated equipment cost	329.900
Other	-
Non-refundable VAT	-
Total	907.200

Revenues	(EUR)
Energy supply	823.730
Operation and maintenance fee (O&M)	-
Other revenues	-
Total	823.730

OPEX	(EUR)
Estimated energy cost	(256.125)
Estimated maintenance cost	(29.280)
Estimated external sub-contracting	-
Other	-
Total	(285.405)

3. Comparison of different financing options



4. Summary of the financial and economic analysis assumptions

Socio-economic benefits	(EUR)
Avoided emissions of CO2	619.080
PM2.5	-
PM10	-
NOx	-
SOx	-
Security-of-supply cost	52.666
Extension of EUL of the building	1.038.960
Improved thermal comfort	-
Increase in property values	-
Total	1.710.707

Discount rates	
Financial discount rate	4,0%
Economic discount rate	3,0%

5. Results of the financial and economic analysis

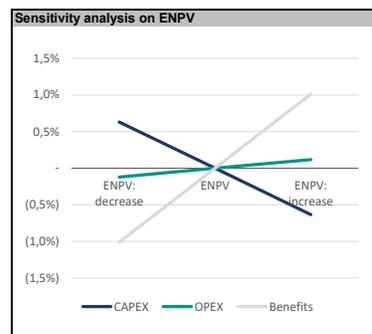
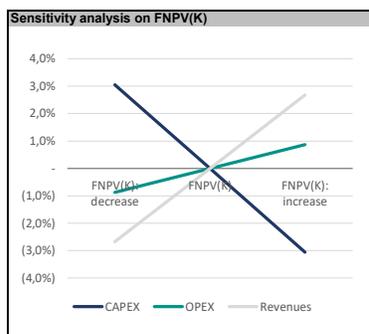
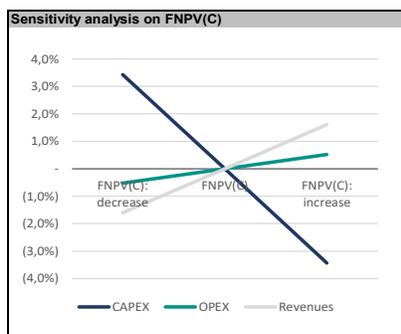
Financing model chosen
Standard loan + Grant

Financial Indicators	
FNPV(C) (EUR)	(254.434)
FRR(C)	1,4%
FNPV(K) (EUR)	152.340
FRR(K)	9,2%
Simple Payback Period	23,2
Discounted Payback Period	n/a

Socio-economic Indicators	
ENPV (EUR)	1.124.482
ERR	12,8%
B/C Ratio	2,2

6. Sensitivity analysis

Variable	Decrease (-)	Increase (+)
Capital expenditures	(1,0%)	1,0%
Operating expenses	(1,0%)	1,0%
Revenues / benefits	(1,0%)	1,0%



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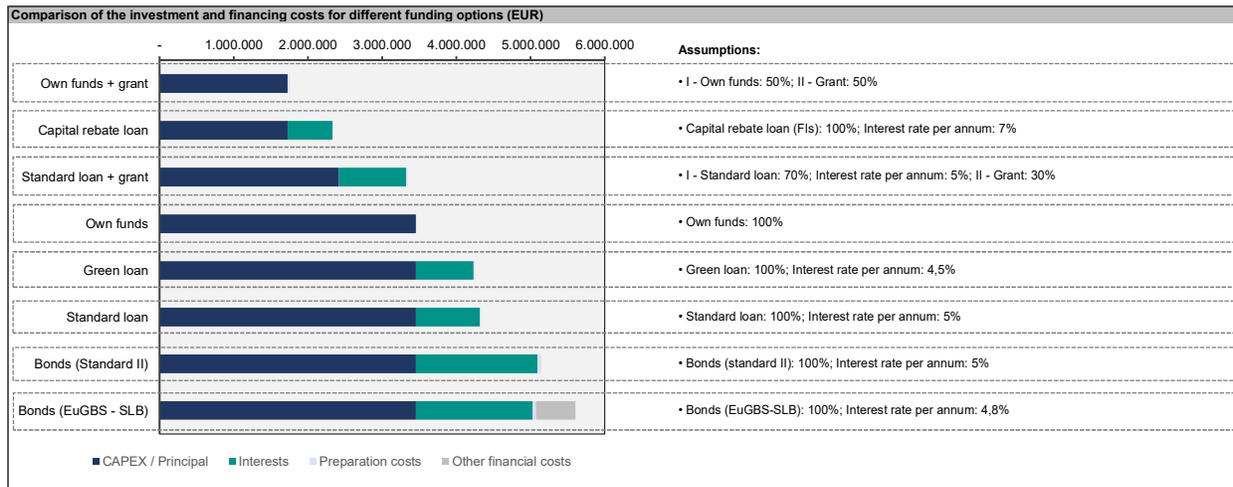
2. Summary of the operating assumptions

CAPEX	(EUR)
Estimated cost of planning processes	-
Estimated cost of installation	3.122.900
Estimated equipment cost	329.900
Other	-
Non-refundable VAT	-
Total	3.452.800

Revenues	(EUR)
Energy supply	823.730
Operation and maintenance fee (O&M)	-
Other revenues	-
Total	823.730

OPEX	(EUR)
Estimated energy cost	(503.334)
Estimated maintenance cost	(29.280)
Estimated external sub-contracting	-
Other	-
Total	(532.614)

3. Comparison of different financing options



4. Summary of the financial and economic analysis assumptions

Socio-economic benefits	(EUR)
Avoided emissions of CO2	1.273.480
PM2.5	-
PM10	-
NOx	-
SOx	-
Security-of-supply cost	52.666
Extension of EUL of the building	3.269.795
Improved thermal comfort	-
Increase in property values	-
Total	4.595.941

Discount rates	
Financial discount rate	4,0%
Economic discount rate	3,0%

5. Results of the financial and economic analysis

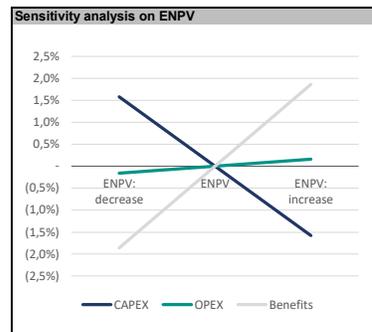
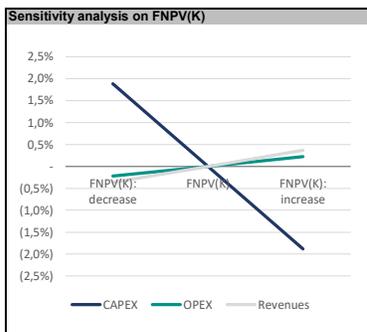
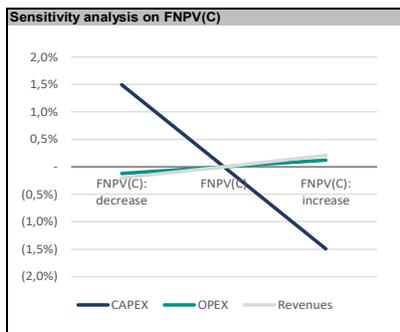
Financing model chosen
Standard loan + Grant

Financial Indicators	
FNPV(C) (EUR)	(1.983.046)
FRR(C)	(3,4%)
FNPV(K) (EUR)	(1.112.517)
FRR(K)	(6,5%)
Simple Payback Period	n/a
Discounted Payback Period	n/a

Socio-economic Indicators	
ENPV (EUR)	1.573.745
ERR	7,8%
B/C Ratio	1,5

6. Sensitivity analysis

Variable	Decrease (-)	Increase (+)
Capital expenditures	(1,0%)	1,0%
Operating expenses	(1,0%)	1,0%
Revenues / benefits	(1,0%)	1,0%



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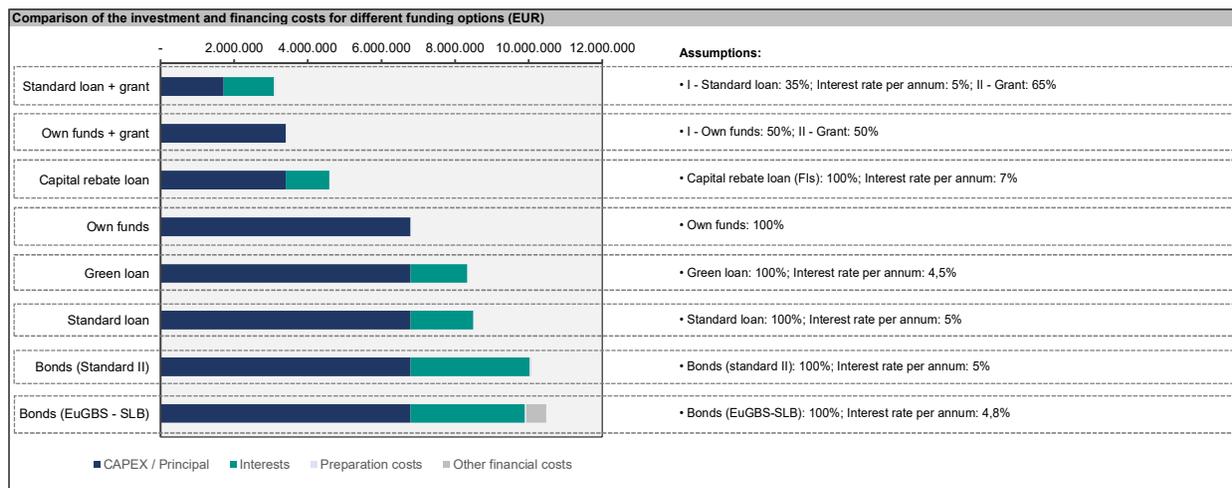
2. Summary of the operating assumptions

CAPEX	(EUR)
Estimated cost of planning processes	-
Estimated cost of installation	3.122.900
Estimated equipment cost	3.674.500
Other	-
Non-refundable VAT	-
Total	6.797.400

Revenues	(EUR)
Energy supply	823.730
Operation and maintenance fee (O&M)	-
Other revenues	-
Total	823.730

OPEX	(EUR)
Estimated energy cost	165.373
Estimated maintenance cost	(29.280)
Estimated external sub-contracting	-
Other	-
Total	136.093

3. Comparison of different financing options



4. Summary of the financial and economic analysis assumptions

Socio-economic benefits	(EUR)
Avoided emissions of CO2	1.758.330
PM2.5	-
PM10	-
NOx	-
SOx	-
Security-of-supply cost	52.666
Extension of EUL of the building	6.502.233
Improved thermal comfort	-
Increase in property values	-
Total	8.313.230

Discount rates	
Financial discount rate	4,0%
Economic discount rate	3,0%

5. Results of the financial and economic analysis

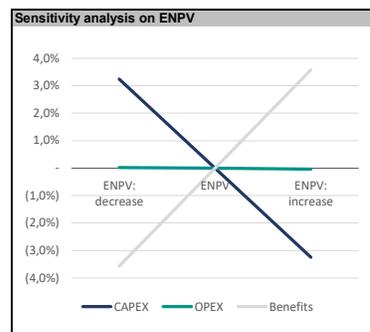
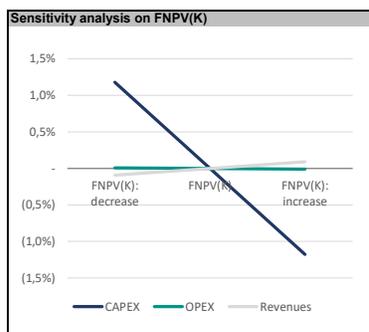
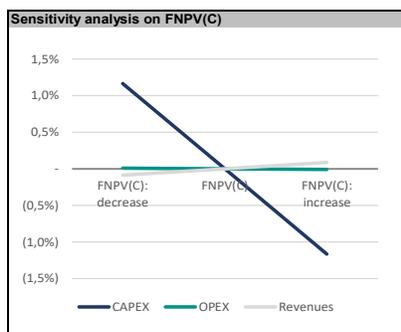
Financing model chosen
Standard loan + Grant

Financial Indicators	
FNVP(C) (EUR)	(4.714.370)
FRR(C)	(7,9%)
FNVP(K) (EUR)	(4.497.587)
FRR(K)	(13,8%)
Simple Payback Period	n/a
Discounted Payback Period	n/a

Socio-economic Indicators	
ENPV (EUR)	1.441.738
ERR	5,7%
B/C Ratio	1,2

6. Sensitivity analysis

Variable	Decrease (-)	Increase (+)
Capital expenditures	(1,0%)	1,0%
Operating expenses	(1,0%)	1,0%
Revenues / benefits	(1,0%)	1,0%



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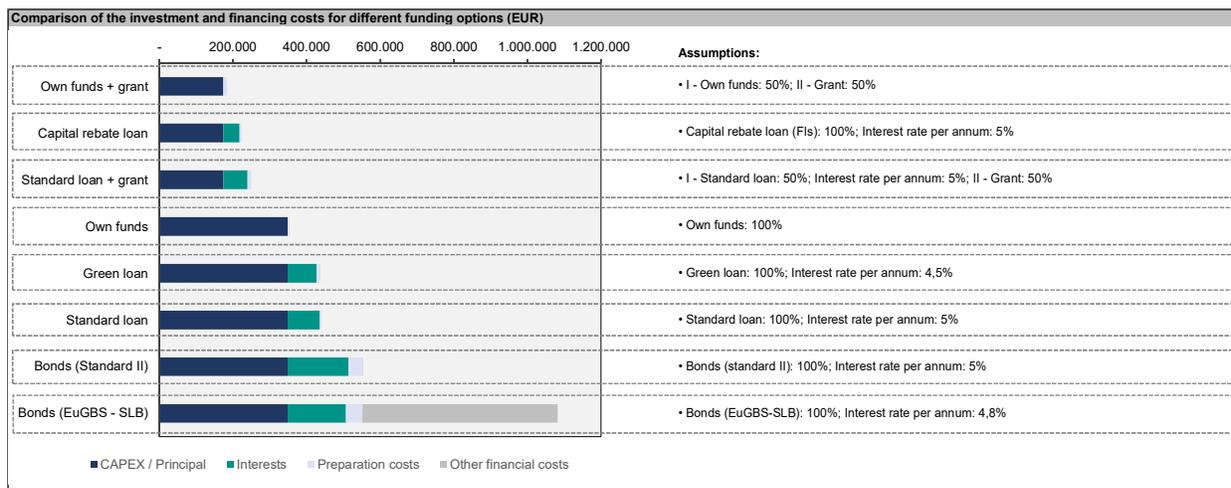
2. Summary of the operating assumptions

CAPEX	(EUR)
Estimated cost of planning processes	30.000
Estimated cost of installation	138.000
Estimated equipment cost	180.600
Other	-
Non-refundable VAT	-
Total	348.600

Revenues	(EUR)
Energy supply	231.338
Operation and maintenance fee (O&M)	-
Other revenues	-
Total	231.338

OPEX	(EUR)
Estimated energy cost	(57.656)
Estimated maintenance cost	(57.950)
Estimated external sub-contracting	-
Other	-
Total	(115.606)

3. Comparison of different financing options



4. Summary of the financial and economic analysis assumptions

Socio-economic benefits	(EUR)
Avoided emissions of CO2	188.744
PM2.5	-
PM10	-
NOx	-
SOx	-
Security-of-supply cost	10.830
Extension of EUL of the building	379.739
Improved thermal comfort	-
Increase in property values	-
Total	579.313

Discount rates	
Financial discount rate	4,0%
Economic discount rate	3,0%

5. Results of the financial and economic analysis

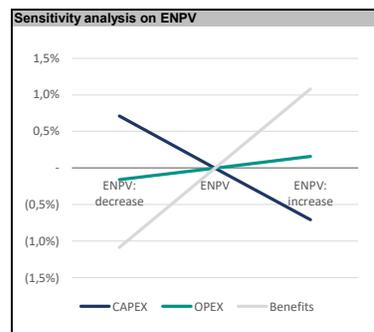
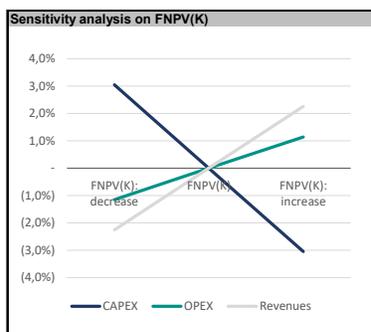
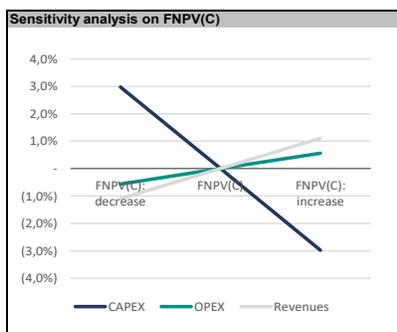
Financing model chosen
Own funds + Grant

Financial Indicators	
FNPV(C) (EUR)	(112.573)
FRR(C)	0,2%
FNPV(K) (EUR)	55.023
FRR(K)	7,0%
Simple Payback Period	18,9
Discounted Payback Period	n/a

Socio-economic Indicators	
ENPV (EUR)	384.412
ERR	14,2%
B/C Ratio	2,2

6. Sensitivity analysis

Variable	Decrease (-)	Increase (+)
Capital expenditures	(1,0%)	1,0%
Operating expenses	(1,0%)	1,0%
Revenues / benefits	(1,0%)	1,0%



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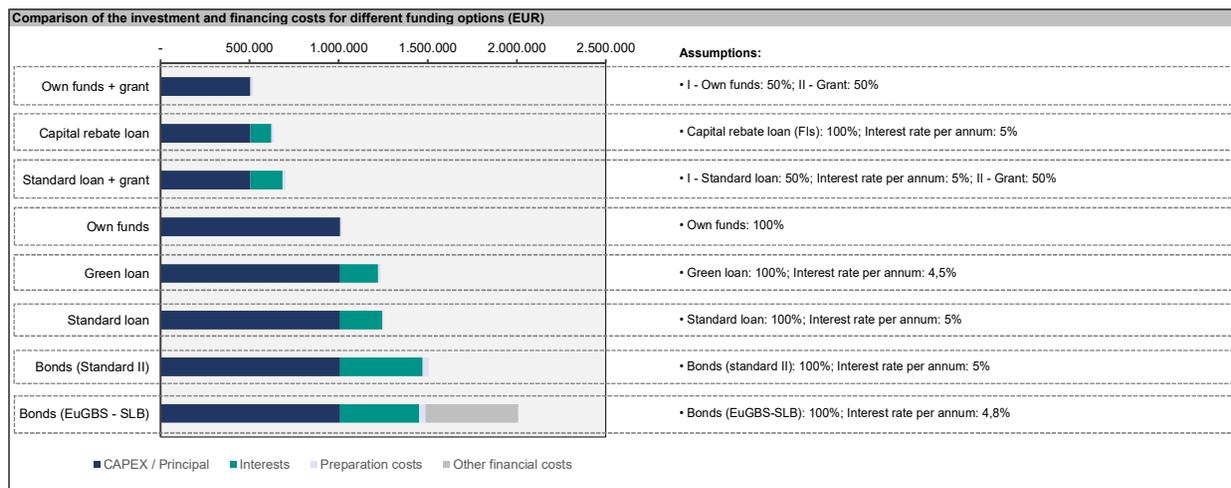
2. Summary of the operating assumptions

CAPEX	(EUR)
Estimated cost of planning processes	90.000
Estimated cost of installation	738.000
Estimated equipment cost	180.600
Other	-
Non-refundable VAT	-
Total	1.008.600

Revenues	(EUR)
Energy supply	198.722
Operation and maintenance fee (O&M)	-
Other revenues	-
Total	198.722

OPEX	(EUR)
Estimated energy cost	(256.828)
Estimated maintenance cost	(3.810)
Estimated external sub-contracting	-
Other	-
Total	(260.638)

3. Comparison of different financing options



4. Summary of the financial and economic analysis assumptions

Socio-economic benefits	(EUR)
Avoided emissions of CO2	428.275
PM2.5	-
PM10	-
NOx	-
SOx	-
Security-of-supply cost	9.880
Extension of EUL of the building	738.973
Improved thermal comfort	-
Increase in property values	-
Total	1.177.127

Discount rates	
Financial discount rate	4,0%
Economic discount rate	3,0%

5. Results of the financial and economic analysis

Financing model chosen
Own funds + Grant

Financial Indicators	
FNPV(C) (EUR)	(459.742)
FRR(C)	(2,3%)
FNPV(K) (EUR)	(20.910)
FRR(K)	3,5%
Simple Payback Period	n/a
Discounted Payback Period	n/a

Socio-economic Indicators	
ENPV (EUR)	538.530
ERR	9,5%
B/C Ratio	1,6

6. Sensitivity analysis

Variable	Decrease (-)	Increase (+)
Capital expenditures	(1,0%)	1,0%
Operating expenses	(1,0%)	1,0%
Revenues / benefits	(1,0%)	1,0%

