EU Corporate Sustainability Reporting Directive and Zero Carbon Roadshow



More is possible





Setting the Scene – The Perfect Storm





Geopolitical issues Escalating Energy Cost * Fossil fuel dependency

Energy Security

- Supply V Demand
- Infrastructure
- Renewables

Depletion of natural resources Social issues and

Climate Change

Climate Change Is Accelerating, Bringing the World 'Dangerously Close' to Irreversible Change

Clean Energy Future - Energy Efficiency



Renewable energy brings huge benefits for the climate, public health & the global economy however ... Energy efficiency <u>remains the cheapest</u>, and often the <u>most immediate way</u> to reduce the use of carbon intensive fossil fuels.

- 1. Less energy to perform the same task
- 2. Not be as cool as the renewable sector but very much as important
 - Reduces GHG emissions,
 - Reduces energy imports,
 - Reduces operating costs
- 3. Reduces pressure on the grid
- 4. Facilitates a smoother transition to renewables.
- **5.** Reduces pressure to build further generating capacity.

Energy Efficiency is the closest thing we have to a "Silver Bullet"



Your energy efficiency journey!

For energy consumers, improving energy efficiency can feel impossible particularly where investment is concerned.

Why?

- 1. Other priorities for their capital or simply capital limitations.
- 2. Fear of the unknown .. Risk
- 3. If it's not broken don't fix it.
- 4. Investment challenges.. Payback thresholds
- 5. Burden of proof.
- 6. Some energy efficiency measures take time before results are evident.

Capital limitations tends to be #1 challenge!





Energy Efficiency Enablers



- Many organisations still cite capital limitations or other priorities when it comes to investment!
- Until now, limited access to commercial financing has long been recognised by experts to be one of the major barriers to implementing energy projects
- AND traditionally, end users can "close down" the minute "funding" or "financing" is mentioned
- Financing IS NOT and SHOULD NOT be a barrier!
- Modern-day finance has evolved and is now an enabler of cleantech solutions.

You have the money for your energy efficiency project Currently you are spending it on wasted energy

- Cost of Funds typically range from high single digits to low double digits (~7 – 15%) depending on amount and risk.
- Energy Savings typically range anywhere from 5

 50% (up to 85% for LED migrations)
- Energy inflation ... You tell me
- If you don't have the capital CONSIDER OTHER ENABLERS



What we do...

$\nabla\nabla$

Vivid Edge uses its "Energy as a Service" to accelerate the transition to sustainability for organisations.

From a CSRD perspective, we can enable some Scope 3 enhancements in addition to Scope 1&2 energy related measures.

We turn "Capex into Opex"

Energy as a Service (EaaS)

VIVID

- Can easily cater for RE Projects but places emphasis on "Energy Efficiency first"
- We pay for the entire project upfront and charge back "as a Service"
- The Client only starts paying after the project is installed
- Considered measure (or suite of measures) should either
 - Reduce energy consumption and associated emissions
 - Reduce/recover energy waste
 - Improve resource efficiency
 - Increase operating efficiency i.e. more widgets/kWh
 - Compliment the transition to renewables e.g. Storage/Grid services etc.
- Technology agnostic You choose your tech. We check it!
- Due diligence includes
 - Technical assessments
 - Design review
 - Business case assessment
 - Credit checks

The "Energy as Service" model is the new "Spotify for Cleantech".





The problem we solve...

Commercial organisations can waste up to **40%** of their energy consumed due to inefficient buildings and equipment



Improvement requires noncore expertise in energy efficiency



Limited capital and time often prioritised for core activities



Energy performance contacts can be costly, cumbersome, and time consuming to manage. **Energy Waste**

Expertise

Resources

Complexity

Reduce grid demand



Includes rooftop solar, EV charging infrastructure, and equipment retrofits



Estimated % Energy Savings Range for a typical building 8+ years old

Boiler Retrofit	15% - 25%
Chiller Retrofit	20% - 30%
Free Cooling	15% - 65%
Heat Recovery	10% - 25%
HVAC Upgrade	20% - 50%
LED Retrofits	50% - 85%
VSD/Invertors	15% - 50%
Envelope	5% - 50%
Energy-efficient district heating or cooling	10% - 25%

What you get...



A faster and easier journey to net zero --

Portfolio-wide delivery of efficiency upgrades - including delivery, maintenance, funding and a performance guarantee

for a <u>fixed monthly fee</u>; no repayments until benefits commence

Save energy and cut costs, reaching your carbon reduction targets faster with less effort and no capital requirement



We take the risk and hassle away, so... more is possible!

Our Edge

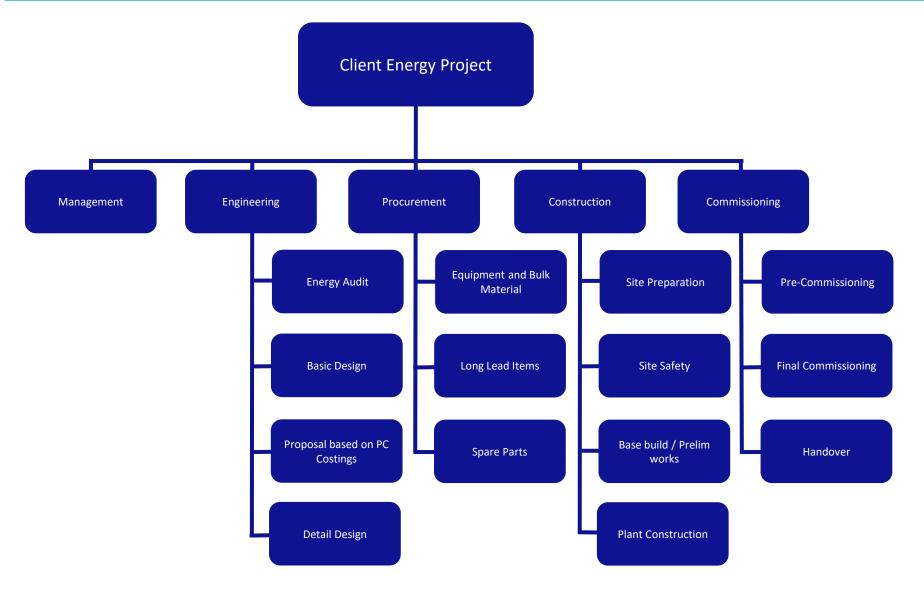




We make it easier for you to reduce your carbon footprint.

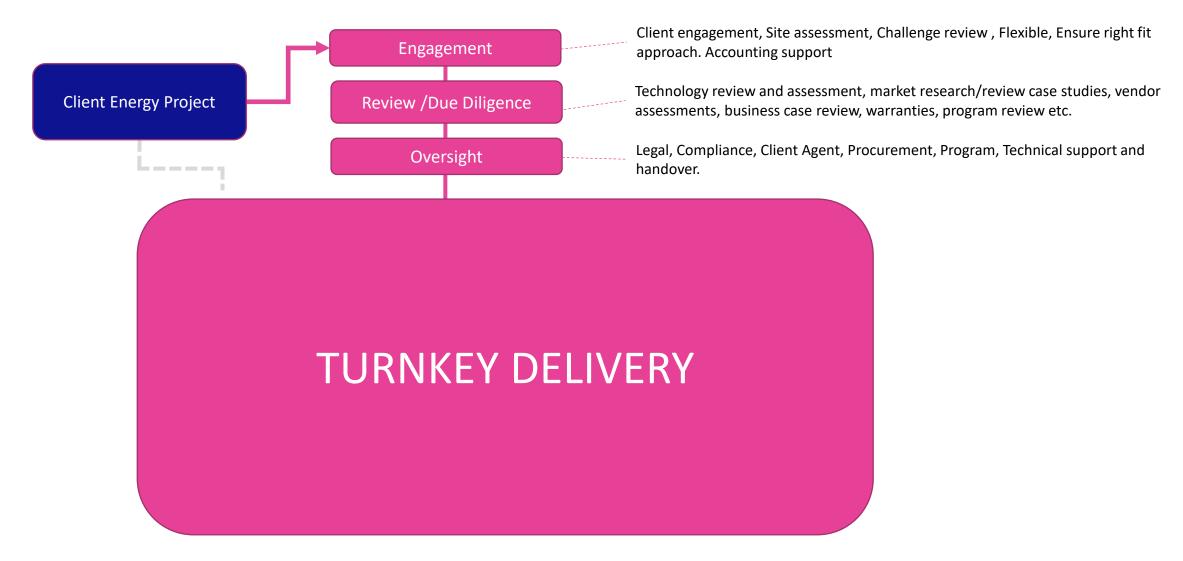
We turn this





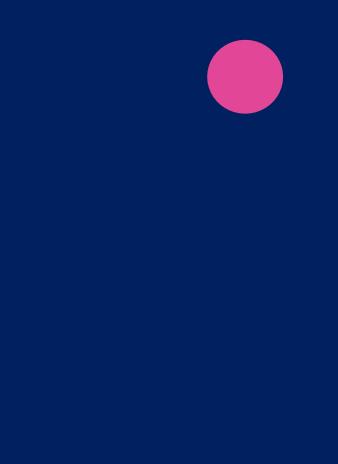
Into this







Vivid Edge Case Study







VE Bundled Solution Case Study

Scope: Projects considers a suite of measures combined that include Lighting, Boiler retrofit/Heat pumps, Chillers retrofit, Roof mounted Solar and other measures all captured under a single "energy as a service" offering. Client had an intention to execute over a 7-year period.

Notes & Assumptions

- We assumed a conservative base rate of €0.20/kWh_e and €0.08/kWh_{ng}...
 Fiscal saving projections are understated.
- Operating hours set to increase by 22% therefore annual savings will increase with no increase in service charge ... <u>Client retains all upside.</u>
- Maintenance Savings are based on historic costs ...
- Site has limited operating redundancy. Multiple "single points of failure".
- Whilst standard warranties vary from 2 7 years (with exception to Solar), the Vivid Edge "Energy as a Service" essentially <u>warrants performance for the full service term</u> ...
- Service Terms are generally 10 years with exception to Solar PV where two Options (10 Years and 15 Years) are available ...
- Emission factor applied at time of analysis 0.346 kgCO₂/kWh_e and 0.204 kgCO₂/kWh_{ng}...

EEM 01 - Lighting Upgrade – Life Cycle Analysis



Year	Energy Savings	AUP	Est Client Maintenance Savings	Client Annual Savings (Gross)	Cumulative Savings (Gross)	Emissions Factor	Emissions	VE Service Charge	Client Annual Savings (Net)	Cumulative Savings (Net)
Year 1	126,765 kWh	€0.2000	€3,387	€28,740	€28,740	0.346 kgCO₂/kWhe	44 TCO ₂	-€23,041	€5,700	€5,700
Year 2	126,765 kWh	€0.2060	€3,472	€29,585	€58,326	0.341 kgCO₂/kWhe	43 TCO2	-€23,041	€6,545	€12,244
Year 3	126,765 kWh	€0.2122	€3,559	€30,456	€88,781	0.336 kgCO₂/kWhe	43 TCO ₂	-€23,041	€7,415	€19,659
Year 4	126,765 kWh	€0.2185	€3,648	€31,351	€120,133	0.330 kgCO₂/kWhe	42 TCO ₂	-€23,041	€8,311	€27,970
Year 5	126,765 kWh	€0.2251	€3,739	€32,274	€152,406	0.326 kgCO₂/kWhe	41 TCO ₂	-€23,041	€9,233	€37,204
Year 6	126,765 kWh	€0.2319	€3,832	€33,223	€185,630	0.321 kgCO₂/kWhe	41 TCO2	-€23,041	€10,183	€47,386
Year 7	126,765 kWh	€0.2388	€3,928	€34,201	€219,831	0.316 kgCO₂/kWhe	40 TCO ₂	-€23,041	€11,160	€58,547
Year 8	126,765 kWh	€0.2460	€4,026	€35,207	€255,038	0.311 kgCO₂/kWhe	39 TCO2	-€23,041	€12,167	€70,713
Year 9	126,765 kWh	€0.2534	€4,127	€36,243	€291,281	0.306 kgCO₂/kWhe	39 TCO2	-€23,041	€13,203	€83,916
Year 10	126,765 kWh	€0.2610	€4,230	€37,310	€328,591	0.302 kgCO ₂ /kWhe	38 TCO2	-€23,041	€14,269	€98,186
Year 11	126,765 kWh	€0.2688	€4,336	€38,408	€366,999	0.297 kgCO₂/kWhe	38 TCO2	€0	€38,408	€136,594
Year 12	126,765 kWh	€0.2768	€4,444	€39,539	€406,538	0.293 kgCO₂/kWhe	37 TCO2	€0	€39,539	€176,132
Year 13	126,765 kWh	€0.2852	€4,555	€40,703	€447,241	0.288 kgCO₂/kWhe	37 TCO2	€0	€40,703	€216,835
Year 14	126,765 kWh	€0.2937	€4,669	€41,901	€489,142	0.284 kgCO₂/kWhe	36 TCO2	€0	€41,901	€258,736
Year 15	126,765 kWh	€0.3025	€4,786	€43,135	€532,276	0.280 kgCO ₂ /kWhe	35 TCO2	€0	€43,135	€301,871
Year 16	126,765 kWh	€0.3116	€4,906	€44,405	€576,681	0.276 kgCO₂/kWhe	35 TCO2	€0	€44,405	€346,275
Year 17	126,765 kWh	€0.3209	€5,028	€45,712	€622,393	0.272 kgCO₂/kWhe	34 TCO ₂	€0	€45,712	€391,988
Year 18	126,765 kWh	€0.3306	€5,154	€47,059	€669,452	0.267 kgCO₂/kWhe	34 TCO ₂	€0	€47,059	€439,046
Year 19	126,765 kWh	€0.3405	€5,283	€48,445	€717,896	0.263 kgCO ₂ /kWhe	33 TCO2	€0	€48,445	€487,491
Year 20	126,765 kWh	€0.3507	€5,415	€49,871	€767,768	0.259 kgCO₂/kWhe	33 TCO2	€0	€49,871	€537,362
Totals	2,535,295 kWh			€767,768			762 TCO ₂		€537,362	€537,362







EEM 02 - Chiller Retrofit – Life Cycle Analysis



Year	Energy Savings	Saving Degradation	AUP	Est Client Maintenance Savings	Client Annual Savings (Gross)	Cumulative Savings (Gross)	Maintenance Cost	Emissions Factor	Emissions	VE Service Charge	Client Annual Savings (Net)	Cumulative Savings (Net)
Year 1	149,314 kWh	-0.50%	€0.2000	€7,500	€37,363	€37,363	€0	0.346 kgCO ₂ /kWhe	52 TCO ₂	-€30,680	€6,683	€6,683
Year 2	148,567 kWh	-0.50%	€0.2060	€7,688	€38,292	€75,655	€0	0.341 kgCO ₂ /kWhe	51 TCO2	-€30,680	€7,613	€14,295
Year 3	147,824 kWh	-0.50%	€0.2122	€7,880	€39,245	€114,900	€0	0.336 kgCO ₂ /kWhe	50 TCO2	-€30,680	€8,565	€22,861
Year 4	147,085 kWh	-0.50%	€0.2185	€8,077	€40,221	€155,122	€0	0.330 kgCO ₂ /kWhe	49 TCO ₂	-€30,680	€9,542	€32,402
Year 5	146,350 kWh	-0.50%	€0.2251	€8,279	€41,222	€196,344	€0	0.326 kgCO ₂ /kWhe	48 TCO2	-€30,680	€10,542	€42,945
Year 6	145,618 kWh	-0.50%	€0.2319	€8,486	€42,248	€238,591	€0	0.321 kgCO ₂ /kWhe	47 TCO2	-€30,680	€11,568	€54,513
Year 7	144,890 kWh	-0.50%	€0.2388	€8,698	€43,299	€281,890	€0	0.316 kgCO ₂ /kWhe	46 TCO2	-€30,680	€12,619	€67,132
Year 8	144,165 kWh	-0.50%	€0.2460	€8,915	€44,376	€326,267	€0	0.311 kgCO₂/kWhe	45 TCO2	-€30,680	€13,696	€80,828
Year 9	143,445 kWh	-0.50%	€0.2534	€9,138	€45,480	€371,747	€0	0.306 kgCO ₂ /kWhe	44 TCO ₂	-€30,680	€14,801	€95,629
Year 10	142,727 kWh	-0.50%	€0.2610	€9,366	€46,612	€418,359	€0	0.302 kgCO ₂ /kWhe	43 TCO2	-€30,680	€15,932	€111,561
Year 11	142,014 kWh	-0.50%	€0.2688	€9,601	€47,772	€466,130	-€6,720	0.297 kgCO ₂ /kWhe	42 TCO2	€0	€41,052	€152,613
Year 12	141,304 kWh	-0.50%	€0.2768	€9,841	€48,960	€515,090	-€6,921	0.293 kgCO ₂ /kWhe	41 TCO2	€0	€42,039	€194,652
Year 13	140,597 kWh	-0.50%	€0.2852	€10,087	€50,178	€565,269	-€7,129	0.288 kgCO ₂ /kWhe	41 TCO ₂	€0	€43,049	€237,701
Year 14	139,894 kWh	-0.50%	€0.2937	€10,339	€51,427	€616,695	-€7,343	0.284 kgCO ₂ /kWhe	40 TCO2	€0	€44,084	€281,785
Year 15	139,195 kWh	-0.50%	€0.3025	€10,597	€52,706	€669,401	-€7,563	0.280 kgCO ₂ /kWhe	39 TCO2	€0	€45,143	€326,929
Year 16	138,499 kWh	-0.50%	€0.3116	€10,862	€54,018	€723,419	-€7,790	0.276 kgCO ₂ /kWhe	38 TCO2	€0	€46,228	€373,156
Year 17	137,806 kWh	-0.50%	€0.3209	€11,134	€55,361	€778,780	-€8,024	0.272 kgCO ₂ /kWhe	37 TCO2	€0	€47,338	€420,494
Year 18	137,117 kWh	-0.50%	€0.3306	€11,412	€56,739	€835,519	-€8,264	0.267 kgCO ₂ /kWhe	37 TCO2	€0	€48,475	€468,969
Year 19	136,432 kWh	-0.50%	€0.3405	€11,697	€58,151	€893,670	-€8,512	0.263 kgCO ₂ /kWhe	36 TCO ₂	€0	€49,638	€518,607
Year 20	135,749 kWh	-0.50%	€0.3507	€11,990	€59,597	€953,267	-€8,768	0.259 kgCO ₂ /kWhe	35 TCO2	€0	€50,830	€569,437
Totals	2,848,591 kWh				€953,267				859 TCO ₂		€569,437	€569,437





Client Upside

EEM 03 - Retrofit Boiler - Life Cycle Analysis



Year	Energy Savings	Saving Degradation	AUP	Est Client Maintenance Savings	Client Annual Savings (Gross)	Cumulative Savings (Gross)	Maintenance Cost	Emissions Factor	Emissions	VE Service Charge	Client Annual Savings (Net)	Cumulative Savings (Net)
Year 1	756,909 kWh	-0.50%	€0.0800	€5,500	€66,053	€66,053	€0	0.203 kgCO ₂ /kWh	154 TCO ₂	-€33,272	€32,781	€32,7 <mark>8</mark> 1
Year 2	753,125 kWh	-0.50%	€0.0824	€5,638	€67,695	€133,748	€0	0.200 kgCO ₂ /kWh	151 TCO ₂	-€33,272	€34,423	€67,204
Year 3	749,359 kWh	-0.50%	€0.0849	€5,778	€69,378	€203,126	€0	0.197 kgCO ₂ /kWh	148 TCO ₂	-€33,272	€36,106	€103,311
Year 4	745,612 kWh	-0.50%	€0.0874	€5,923	€71,103	€274,229	€0	0.194 kgCO ₂ /kWh	145 TCO ₂	-€33,272	€37,831	€141,142
Year 5	741,884 kWh	-0.50%	€0.0900	€6,071	€72,871	€347,099	€0	0.191 kgCO ₂ /kWh	142 TCO ₂	-€33,272	€39,599	€180,741
Year 6	738,175 kWh	-0.50%	€0.0927	€6,223	€74,682	€421,782	€0	0.188 kgCO ₂ /kWh	139 TCO ₂	-€33,272	€41,411	€222,152
Year 7	734,484 kWh	-0.50%	€0.0955	€6,378	€76,539	€498,321	€0	0.185 kgCO ₂ /kWh	136 TCO ₂	-€33,272	€43,268	€265,419
Year 8	730,811 kWh	-0.50%	€0.0984	€6,538	€78,442	€576,763	€0	0.183 kgCO ₂ /kWh	133 TCO ₂	-€33,272	€45,171	€310,590
Year 9	727,157 kWh	-0.50%	€0.1013	€6,701	€80,393	€657,156	€0	0.180 kgCO ₂ /kWh	131 TCO2	-€33,272	€47,121	€357,710
Year 10	723,522 kWh	-0.50%	€0.1044	€6,869	€82,391	€739,547	€0	0.177 kgCO ₂ /kWh	128 TCO2	-€33,272	€49,120	€406,830
Year 11	719,904 kWh	-0.50%	€0.1075	€7,040	€84,440	€823,987	-€8,399	0.174 kgCO ₂ /kWh	126 TCO2	€0	€76,040	€482,870
Year 12	716,304 kWh	-0.50%	€0.1107	€7,216	€86,539	€910,526	-€8,651	0.172 kgCO ₂ /kWh	123 TCO2	€0	€77,888	€560,758
Year 13	712,723 kWh	-0.50%	€0.1141	€7,397	€88,691	€999,217	-€8,911	0.169 kgCO ₂ /kWh	121 TCO2	€0	€79,780	€640,537
Year 14	709,159 kWh	-0.50%	€0.1175	€7,582	€90,896	€1,090,112	-€9,178	0.167 kgCO ₂ /kWh	118 TCO2	€0	€81,717	€722,255
Year 15	705,614 kWh	-0.50%	€0.1210	€7,771	€93,156	€1,183,268	-€9,454	0.164 kgCO ₂ /kWh	116 TCO ₂	€0	€83,702	€805,957
Year 16	702,085 kWh	-0.50%	€0.1246	€7,966	€95,472	€1,278,740	-€9,737	0.162 kgCO ₂ /kWh	114 TCO ₂	€0	€85,734	€891,691
Year 17	698,575 kWh	-0.50%	€0.1284	€8,165	€97,845	€1,376,585	- €10,029	0.159 kgCO ₂ /kWh	111 TCO2	€0	€87,816	€979,507
Year 18	695,082 kWh	-0.50%	€0.1322	€8,369	€100,278	€1,476,863	- €10,330	0.157 kgCO ₂ /kWh	109 TCO ₂	€0	€89,948	€1,069,455
Year 19	691,607 kWh	-0.50%	€0.1362	€8,578	€102,771	€1,579,635	-€10,640	0.155 kgCO ₂ /kWh	107 TCO ₂	€0	€92, 1 31	€1,161,586
Year 20	688,149 kWh	-0.50%	€0.1403	€8,793	€105,326	€1,684,961	-€10,959	0.152 kgCO ₂ /kWh	105 TCO2	€0	€94,367	€1,255,953
Totals	14,440,240 kWh				€1,684,961				2,554 TCO2		€1,255,953	€1,255,953
		1										
	Energy Savings								CO ₂ Avoided		Client Upside	

Alternatively – For clients seeking to decarbonise heat, heat pump or heat pump/condenser boiler "hybrid" configuration whereby LPHW is primarily generated electrically can be considered.



VE Bundled Solution Outcome Assuming the projects combined had a 5,6,7 year payback. This means that the Client is not making fiscal saves until after the payback period.

With the Vivid Edge model, the Client

- Has reduced site energy/carbon intensity
- Is "Cashflow positive" from year 1 AND
- Has a fiscal upside of €54K per annum without spending any capital Fiscal saving projections based on conservative AUP and are therefore understated, and ... Operating hours set to increase by 22% therefore annual savings will increase with no increase in service charge ... Client retains all upside.
- Has eliminated single points of failure and has increased their system redundancy / operating resilience at no extra cost.
- Has kick started their Decarbonisation/Net Zero journey.



VE Solar As a Service Case Study Scope: Roof mounted Solar

Notes & Assumptions

- Client AUP $\in 0.315/kWh_e$
- System sized in accordance with Client demand profile
- 15-year service term includes all maintenance, warranties and inverter replacement in year 12
- Whilst standard warranties vary from 2 7 years (with exception to Solar), the Vivid Edge "Energy as a Service" essentially <u>warrants performance for the full service term</u> ...
- Service Terms are generally 10 years with exception to Solar PV where two Options (10 Years and 15 Years) are available ...
- Emission factor applied at time of analysis 0.330 kgCO₂/kWh_e
- Life Cycle Analysis demonstrates how VE "as a Service" model far superior to PPA
- Compliments Decarbonisation pathway and NZEB aspirations



Sample Solar as a Service (15 Yr) 116 kWp



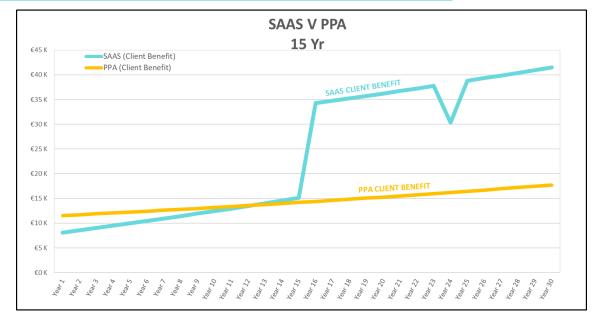
PROVISIONAL COMMERCIAL SOLAR PV PROPOSAL

Updated SLD and O&M Manual DC cable runs and containment

PC sum for Planning Permission O&M for Service Term (180 months)

NC5 Application - ESBN Coordination - Witness Testing

Project Specifics - Client Benefits	
Installed Solar Capacity	0.116 MWp
Simulated generation (Year 1)	96 MWh
Avoided CO ₂ (30 Years)	722 TCO ₂
Module Degradation per annum	-0.50%
Vivid Edge Monthly Service Charge	-€1.848
Vivid Edge Service Term	180 months
System	
Module (252) No.	252 x 460Wp
Module Useful Life	30 Years
Module Performance Warranty	30 Years
Inverter (1)	Huawei SUN2000 100KTL M1 100kW
Inverter Useful Life	~12 years
Inverter Warranty	10 Years
Mounting System Warranty	25 Years
Lifetime Electrical Energy Offset	2.7 GWh _e
Market Value @ €0.315/kWh + 2% CPI (30 Years)	€1,135,798
<u>Average</u> Opex delta p/a [10Yrs] with SAAS	€11,496
NPV (lifetime)	€499,484
Blended AUP over 30 Years with SAAS	€0.1505 /kWhe
Benefit over 25 Years (Upside) with SAAS	€529,441
*PPA Upside-25 Years starting @19.5c/kWh	€346,615
Benefit over 30 Years (Upside) with SAAS	€731,501
*PPA Upside-30 Years starting @19.5c/kWh	€432,685
Package Includes	
G10 Protection Relay and Panel	
Export Power Manager	
PSDP & PSCS Plan	
All Civils	



Lifecycle /Cashflow Analysis Overleaf

Note: Any eligible grants will be subject to SEAI approval and will go to the client.

Sample Solar as a Service – LCA (15Yr)



Year	Yield	Degradation	Client AUP	Client Annual Savings (Gross)	Cumulative Savings (Gross)	Client Maintenance	Client Replacement Inverters	Emission Factor	Emissions	VE Service Charge	Client Annual Savings (Net)	Cumulative Savings (Net)
1	96,201 kWh	-0.50%	€0.315/kWhe	€30,303	€30,303	€0	€0	0.330 kgCO ₂ /kWhe	31.75 TCO ₂	-€22,182	€8,121	€8,121
2	95,720 kWh	-0.50%	€0.321/kWhe	€30,755	€61,058	€0	€0	0.325 kgCO ₂ /kWhe	31.11 TCO ₂	<i>-</i> €22,182	€8,573	€16,694
3	95,241 kWh	-0.50%	€0.328/kWhe	€31,213	€92,271	€0	€0	0.320 kgCO ₂ /kWhe	30.49 TCO ₂	<i>-</i> €22,182	€9,031	€25,726
4	94,765 kWh	-0.50%	€0.334/kWhe	€31,678	€123,949	€0	€0	0.315 kgCO ₂ /kWhe	29.89 TCO ₂	-€ 22,182	€9,496	€35,222
5	94,291 kWh	-0.50%	€0.341/kWhe	€32,150	€156,100	€0	€0	0.311 kgCO ₂ /kWhe	29.29 TCO ₂	<i>-</i> €22,182	€9,968	€45,190
6	93,820 kWh	-0.50%	€0.348/kWhe	€32,629	€188,729	€0	€0	0.306 kgCO ₂ /kWhe	28.71 TCO ₂	<i>-</i> €22,182	€10,447	€55,637
7	93,351 kWh	-0.50%	€0.355/kWhe	€33,115	€221,844	€0	€0	0.301 kgCO ₂ /kWhe	28.14 TCO ₂	<i>-</i> €22,182	€10,933	€66,571
8	92,884 kWh	-0.50%	€0.362/kWhe	€33,609	€255,453	€0	€0	0.297 kgCO ₂ /kWhe	27.57 TCO ₂	<i>-</i> €22,182	€11,427	€77,998
9	92,420 kWh	-0.50%	€0.369/kWhe	€34,110	€289,562	€0	€0	0.292 kgCO ₂ /kWhe	27.03 TCO ₂	<i>-</i> €22,182	€11,928	€89,925
10	91,958 kWh	-0.50%	€0.376/kWhe	€34,618	€324,180	€0	€0	0.288 kgCO ₂ /kWhe	26.49 TCO ₂	<i>-</i> €22,182	€12,436	€102,361
11	91,498 kWh	-0.50%	€0.384/kWhe	€35,134	€359,314	€0	€0	0.284 kgCO ₂ /kWhe	25.96 TCO ₂	<i>-</i> €22,182	€12,952	€115,313
12	91,040 kWh	-0.50%	€0.392/kWhe	€35,657	€394,971	€0	€0	0.279 kgCO ₂ /kWhe	25.44 TCO ₂	<i>-</i> €22,182	€13,475	€128,788
13	90,585 kWh	-0.50%	€0.399/kWhe	€36,188	€431,159	€0	€0	0.275 kgCO ₂ /kWhe	24.93 TCO ₂	<i>-</i> €22,182	€14,006	€142,795
14	90,132 kWh	-0.50%	€0.407/kWhe	€36,728	€467,887	€0	€0	0.271 kgCO ₂ /kWhe	24.44 TCO ₂	<i>-</i> €22,182	€14,546	€157,340
15	89,681 kWh	-0.50%	€0.416/kWhe	€37,275	€505,162	€0	€0	0.267 kgCO ₂ /kWhe	23.95 TCO ₂	<i>-</i> €22,182	€15,093	€172,433
16	89,233 kWh	-0.50%	€0.424/kWhe	€37,830	€542,992	-€3,548	€0	0.263 kgCO ₂ /kWhe	23.47 TCO ₂	€0	€34,282	€206,715
17	88,787 kWh	-0.50%	€0.432/kWhe	€38,394	€581,386	-€3,637	€0	0.259 kgCO ₂ /kWhe	23.01 TCO ₂	€0	€34,757	€241,472
18	88,343 kWh	-0.50%	€0.441/kWhe	€38,966	€620,352	-€3,728	€0	0.255 kgCO ₂ /kWhe	22.55 TCO ₂	€0	€35,238	€276,710
19	87,901 kWh	-0.50%	€0.450/kWhe	€39,547	€659,898	-€3,821	€0	0.251 kgCO ₂ /kWhe	22.10 TCO ₂	€0	€35,725	€312,435
20	87,462 kWh	-0.50%	€0.459/kWhe	€40,136	€700,034	-€3,917	€0	0.248 kgCO ₂ /kWhe	21.66 TCO ₂	€0	€36,219	€348,655
21	87,024 kWh	-0.50%	€0.468/kWhe	€40,734	€740,768	-€4,015	€0	0.244 kgCO ₂ /kWhe	21.23 TCO2	€0	€36,719	€385,374
22	86,589 kWh	-0.50%	€0.477/kWhe	€41,341	€782,109	-€4,115	€0	0.240 kgCO ₂ /kWhe	20.80 TCO ₂	€0	€37,226	€422,600
23	86,156 kWh	-0.50%	€0.487/kWhe	€41,957	€824,066	-€4,218	€0	0.237 kgCO ₂ /kWhe	20.39 TCO ₂	€0	€37,739	€460,338
24	85,726 kWh	-0.50%	€0.497/kWhe	€42,582	€866,647	-€4,323	-€7,941	0.233 kgCO ₂ /kWhe	19.98 TCO ₂	€0	€30,318	€490,656
25	85,297 kWh	-0.50%	€0.507/kWhe	€43,216	€909,864	-€4,431	€0	0.230 kgCO ₂ /kWhe	19.58 TCO ₂	€0	€38,785	€529,441
26	84,870 kWh	-0.50%	€0.517/kWhe	€43,860	€953,724	-€4,542	€0	0.226 kgCO ₂ /kWhe	19.19 TCO ₂	€0	€39,318	€568,759
27	84,446 kWh	-0.50%	€0.527/kWhe	€44,514	€998,238	-€4,656	€0	0.223 kgCO ₂ /kWhe	18.81 TCO ₂	€0	€39,858	€608,617
28	84,024 kWh	-0.50%	€0.538/kWhe	€45,177	€1,043,415	-€4,772	€0	0.219 kgCO ₂ /kWhe	18.44 TCO ₂	€0	€40,405	€649,022
29	83,604 kWh	-0.50%	€0.548/kWhe	€45,850	€1,089,265	-€4,891	€0	0.216 kgCO ₂ /kWhe	18.07 TCO ₂	€0	€40,959	€689,981
30	83,186 kWh	-0.50%	€0.559/kWhe	€46,533	€1,135,798	-€5,014	€0	0.213 kgCO ₂ /kWhe	17.71 TCO2	€0	€41,520	€731,501
Totals	2,686,236 kWh				€1,135,798				722 TCO2		€731,501	€731,501
	Grid Offsets								CO ₂ Avoided		Client Upside	

Cashflow positive - Service Charge includes maintenance, warranties, inverter replacements in Yr. 12. Seamless handover in Yr. 16

EaaS Benefits

There are several Client benefits.

The Energy as a Service model is a form of "Wrapper" service that

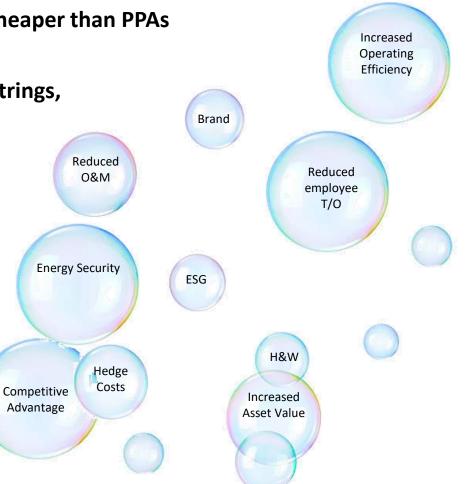
• is probably, less complex and more flexible than EPCs, cheaper than PPAs

Capex to

Opex

CSR

- incentivises the Client to save more,
- allows the Client to think beyond the company's purse strings,
- allows energy managers to
 - do more,
 - to digitise, optimise, decarbonise,
 - to futureproof their business and
 - access savings more swiftly
 - focus on continuous improvement
- actions "End of Life" replacements
- de-risk the Client's operation
- improves compliance,
- provides peace of mind,
- OFFERS SWIFTER TRANSITION TO "NET ZERO"





Conclusion



An Energy as a Service enables energy projects and other energy conservation measures for large organisations who have other priorities for their capital.

- The Energy Crisis! <u>Energy Efficiency is more important than ever!!</u>
- Stop sweating the assets! Inaction leads to waste!
- Stop thinking like you're buying it!
- Rethink the "long-term" energy strategy! Do "much more" and more swiftly!
- You have the money... You're just wasting it on inefficient systems!
- There are many forms of 'creative financing' that facilitate energy efficiency and renewable energy. Don't let capital be a challenge!
- You will not achieve Net Zero without Energy Efficiency!





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