

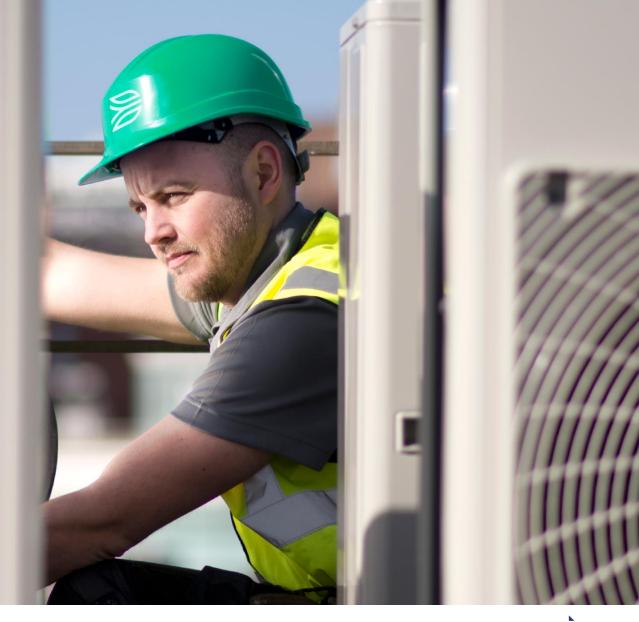
FREE WEBINAR HOW TO DEVELOP AN ENERGY PERFORMANCE CONTRACT (EPC) PROJECT

11:00 AM - 12 PM MONDAY 7TH APRIL, 2025





Energy Performance Contracting for Public buildings in Ireland





This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101032833





CODEMA TEAM



- Energy Advisers to Dublin Local Authorities
- Founded in 1997 as not-for-profit organisation
- 32 staff based in Temple Bar





OUR SERVICES









ENERGY AWARENESS ENERGY POLICY & PLANNING

PROJECT MANAGEMENT

MATCH FUNDING







This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 696040.



- **Facilitators** of Energy Performance Contracts (10 years' experience)
- Providing **Training** of EnPC Project Facilitators



PROJECT IMPLEMENTATION EXPERIENCE









- Codema has facilitated:
 - 4 signed Energy Performance Contracts
 - Include 15 public buildings
 - 8-year contracts
 - ➤ €3,066,000 Capital investment
- Tallaght District Heating System using an Energy Supply
 Contract
 - ➤ € 7,972,000 Capital investment (10 year contract)
- Current Pipeline:
 - 1 EPC contracts currently at Tender stage (8 buildings)
 - 6 EPC projects planned to go to tender in 2025 (13 buildings, mainly leisure centers)

PROJECT FUNDING





- Funding for these projects was:
 - ✓ €4.3m (38%) from the Private sector via ESCos
 - ✓ €5.5m (48%) from grants
 - ✓ €1.6m (14%) from the Local Authority
- Funding arrangement made possible by Energy Performance Contracting

DeliveREE PROJECT

| Grant Agreement number: 101032833 — DeliveREE — H2020-LC-SC3-2018-2019-2020 / H2020-LC-SC3-EE-2020-2 | | | | | |
|--|---|--|--|--|--|
| | EUROPEAN COMMISSION European Climate, Infrastructure and Environment Executive Agency Director | | | | |
| GRANT AGREEMENT | | | | | |
| NUMBER 101032833 DeliveREE | | | | | |



- We developed the concept, prepared the application and assembled the consortium
- Successful application for H2020
 Project Development Assistance funding (€1.17m)
- Only 5 projects in Europe funded
- DeliveREE Delivery of Renewable and Energy Efficiency projects across the Dublin region

This Agreement ('the Agreement') is between the following parties:

on the one part,

the European Climate, Infrastructure and Environment Executive Agency (CINEA) (the Agency), under the powers delegated by the European Commission (the Commission), represented for the purposes of signature of this Agreement by Head of Unit, European Climate, Infrastructure and Environment Executive Agency, Natural resources, climate, sustainable blue economy and clean energy, LIFE Energy + LIFE Climate, Christian STRASSER,

and

on the other part,

1. 'the coordinator'

CITY OF DUBLIN ENERGY MANAGEMENT AGENCY LIMITED (CODEMA), established in CROWN ALLEY 2 4 TEMPLE BAR, DUBLIN 2, Ireland, VAT number: IE82633060, represented for the purposes of signing the Agreement by legal and Financial Signatory, Donna GARTLAND

and the following other beneficiaries, if they sign their 'Accession Form' (see Annex 3 and Article 56):

2. SOUTH DUBLIN COUNTY COUNCIL (SDCC), established in COUNTY HALL, TALLAGHT DUBLIN 24, Ireland, VAT number: IE9509808P,

3. **DUBLIN CITY COUNCIL (DCC)**, established in WOOD QUAY CIVIC OFFICES, DUBLIN Dublin 8, Ireland,

4. FINGAL COUNTY COUNCIL (FCC), established in COUNTY HALL SWORDS, FINGAL K67 X8Y2, Ireland, VAT number: IE9509807N,

 RESOURCEFUL FUTURES LIMITED (RFL), established in UNIT 3, 45 TRINITY RISE, LONDON SW2 2QP, United Kingdom, VAT number: GB372738276,

6. DUN LAOGHAIRE RATHDOWN COUNTY COUNCIL (DLRCOCO), established in MARINE ROAD 2, DUN LAOGHAIRE A96 K6C9, Ireland, VAT number: IE9509809R,

7. PHILIP LEE, SOLICITORS (Philip Lee), established in 7-8 WILTON TERRACE, DUBLIN 2 D02 KC57, Ireland, VAT number: IE9522629P,



Our Solution - DeliveREE

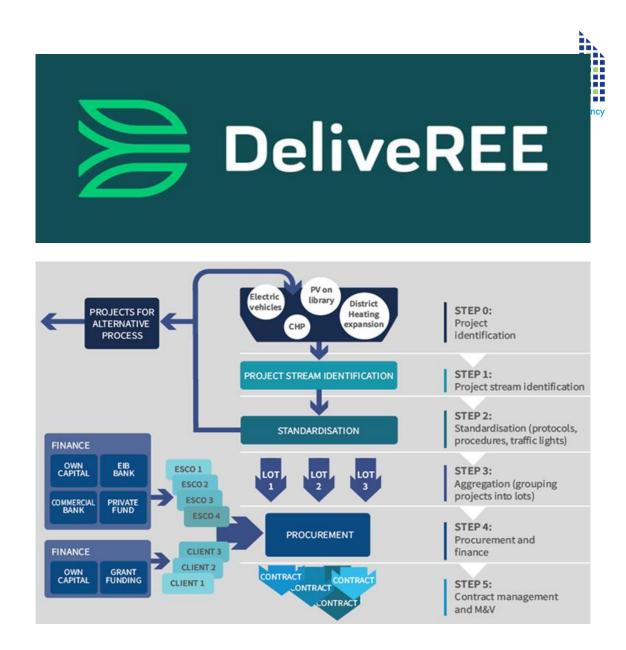




- 1. Create a Project Implementation Unit and scalable delivery model that can be replicated across Ireland and Europe **(WP3)**
- 2. Deliver 9 signed Energy Performance Contracts (WP4)

Our Solution - DeliveREE

- Systematic approach to building retrofits
- 'One stop shop' Project Implementation Unit
- Standardises project development
- Aggregates Projects (holistic building decarbonization)
- Only uses Energy Performance Contracts
- Facilitates Private Finance





Initial Project Pipeline:

- 1. We identified pipeline of **19 projects**.
- 2. Included 140 Local Authority buildings
- 3. Estimates CAPEX €20.4m
- 4. Estimates savings 29% (3,977 tCO2)
- 5. Funding structure: 10-20% project owner, 40-50% grant and 40-50% private financing

| Location | Type of | Description | Quanti- | Current | Energy | Rene v able | Energy |
|---------------|--------------------------------|---|-------------|-------------|---------------|------------------------|-------------------|
| | investment[1] | of the | fication | energy | savings (%) | energy | investment |
| (area, (orm_) | intestitent[1] | investment | [Buildinas] | consump- | Sollings (Al) | production | costs |
| 000 | FuildingEnorgy EtHicomey | H-vilding for new CHF and LED lighting - Civic Officer | , | M 120,524 | 22% | | 1730,540 |
| 800 | Fuilding Energy Etticency | Swan Leirver Centre Iar energy efficiency mearwer | , | 4.238 474 | 262 | - | 1307,650 |
| 800 | Fuilding Energy Etticency | 30 huildings far ener og efficiency me arverer (LER, FV) Fride Statubar rad | .50 | 6.446.617 | 262 | - | 14 630,000 |
| 800 | Fuilding Energy Efficiency | inity ifficiency | ~ | 3,388,166 | 25% | - | 1500,306 |
| DCC | Fuilding Increy Ettlicency | 2 Saumming Papilar Energy Efficient mearwar - Sean McBermat and | 2 | 2, 752, 757 | 25% | | 1245,744 |
| NF. | Fuilding Energy Etticency | Houldh ar tor energy efficiency measures County Hall, Ballypean depot, Hartow Square and | \$ | 7,000,000 | MSS. | - | 11, 108, 140 |
| NF. | Fuilding Energy Etticency | SLeirere Centres for Energy Efficient referbishment - Meadowkrook, Loughlinstown and Monkstown | 3 | 6,886,140 | .362 | | H00,000 |
| RIF. | Fuilding Energy Elficency | 56 buildings far onor gy officioney moarwoor (LEP, HP, FY) | 50 | 8,704,711 | Ws. | - | 12,024,311 |
| 100 | Fuilding Energy Etticency | 34 vildinge før snor gy stilleinney morae var Suarde County Holl, Desiacht it Libeary Fuilding, Grous Rood | 3 | R 245 421 | 342 | | 11, 714, 574 |
| 100 | Building Enorgy Etticoncy | 13 kuildinge før ener og Afficiency merererer (LED, HP, FV) | ß | 4,078,240 | 242 | | 1750,000 |
| 100 | Fuilding Energy Elficency | f Horitago buildinge færonorgy officiont Roforbirhmont | 6 | 2, 106, 313 | <i>fi</i> te: | - | MIK, 116 |
| 100 | Electrical Yehical Charging | EV chorging hubs installed at 3st the departs in Fingal (2na 500W DC fast charges and them 22kWAC chargess) 21 seven Contractor | r | | | - | 1100,000 |
| 5000 | Euilding Enorgy Etticoncy | Energy Efficient refurbirhment - Clandalkin and | 2 | 6, #16, 825 | 24× | | 1485,000 |
| 5000 | Fuilding Energy Etticency | 2 community huidin ar for energy efficiency measurer including a theotre and one- w | r | 174,195 | 25% | | 1166,351 |
| SDCC | Fuilding Energy Etticency | 2 Offics buildings for ones gy officient measures including County Hall and Clandalkin offices | z | 5,667,651 | Re | | 1716,225 |
| SDCC | Fuilding Energy Etticency | 15 I wildingt for energy efficiency mearwar (LEC, HP, FV) Arthurtown (ond)il | ß | 2, MM, 242 | Jute: | | 1230,000 |
| SDCC | Firanwahir Earry | renewable energy project - 75kW zero- export project to cover the bare lood of the leach ate | , | 1,465,000 | £2≥ | | 185,000 |
| SDCC | Ronowable Incorp | Arthurtour Ion dill 51992 commercial F9 Form, developed ar o Community-led | ø | | | 4,440 | <i>16,000,000</i> |
| SDCC | Electrical Yohical Charging | EV chorging hubr installed at 3 of the depote | , | | - | | 1100,000 |
| SDCC | District Heating | SDDHExtension - to connect Civic Theotre and FM Group to DH system | 2 | ** 5,000 | 7231 | | H05,271 |
| latal/average | | | 144 | 15,500,000 | 29x | 1,111 | 119,543,242 |

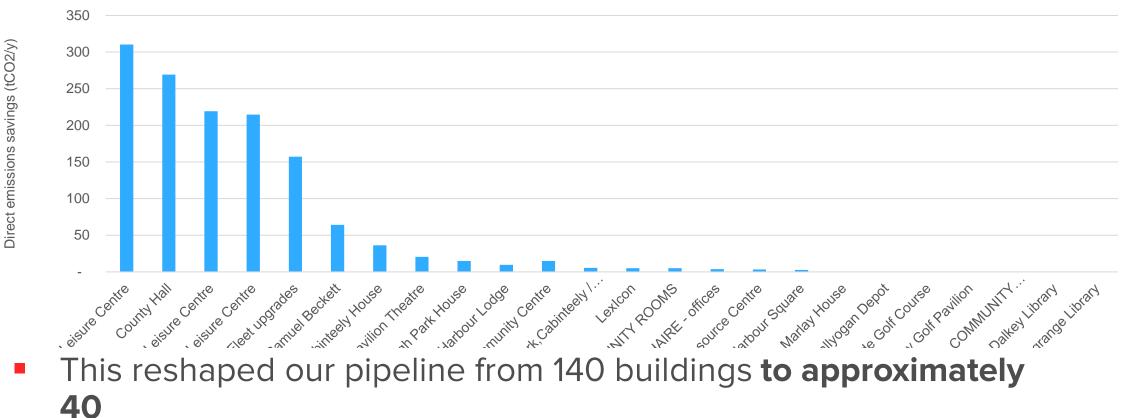


> When we prepared the proposal, our thinking was:

- energy efficiency and decarbonization by association
- \succ Today, the approach is:
 - decarbonization and energy efficiency by association
- > The consequence is we sacrifice cost savings

Learning 1: Redefine The Project Pipeline



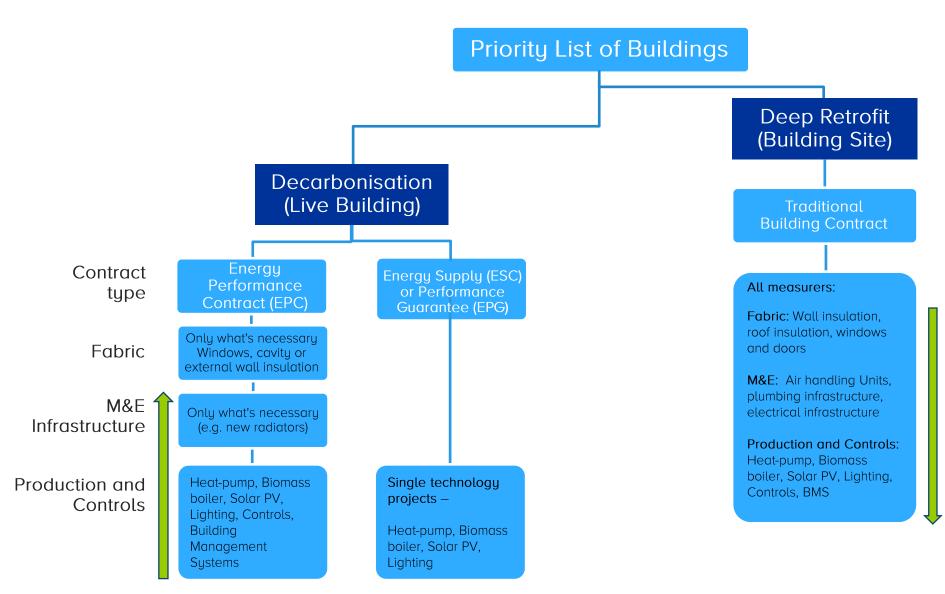


Estimated Direct emissions savings by site (tCO2/y)

But **deeper measures** with the aim of **full decarbonization**

Learning 2: Communication -Decarbonization Or Deep Retrofit

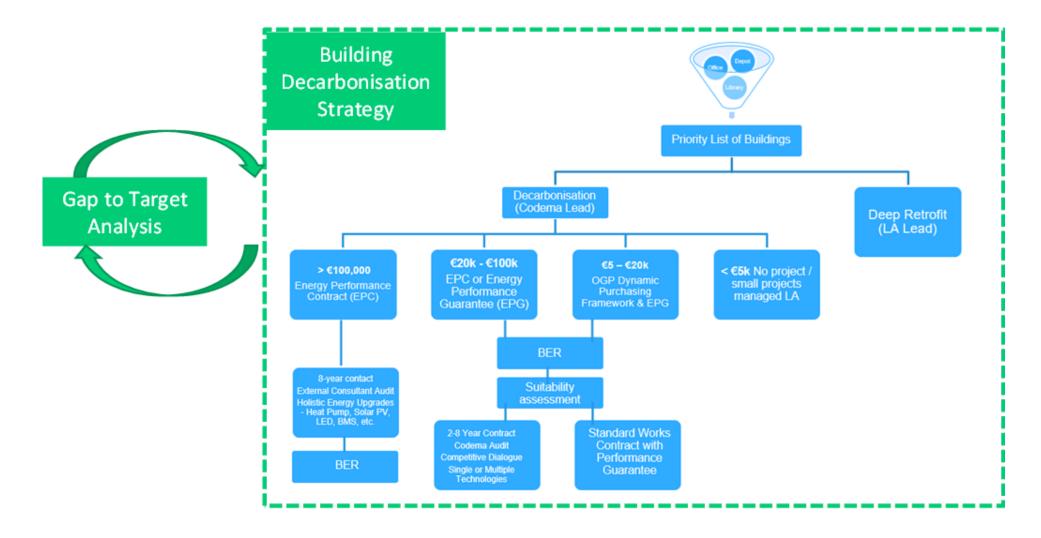




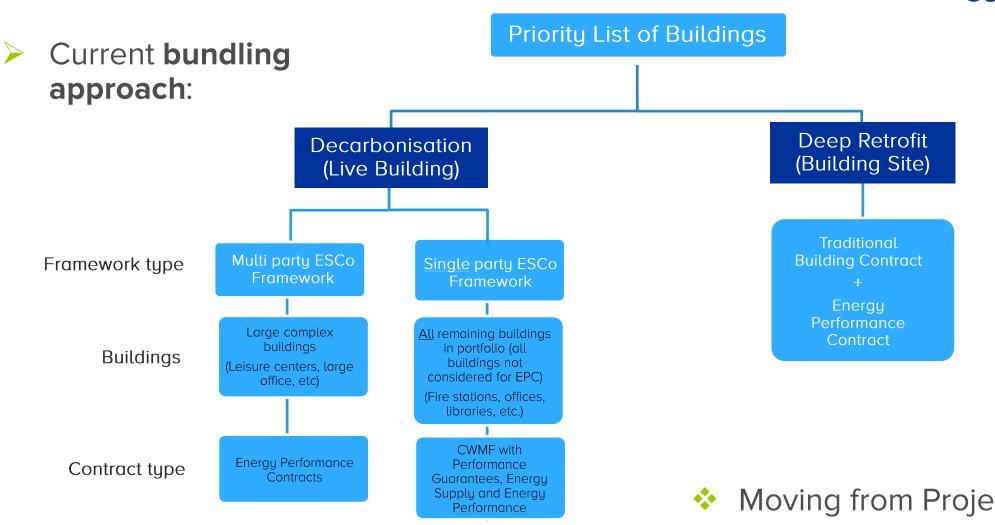
Learning 3: Project Bundling



> This is where we started:



Learning 3: Project Bundling



Moving from Projects to a Programme of Works

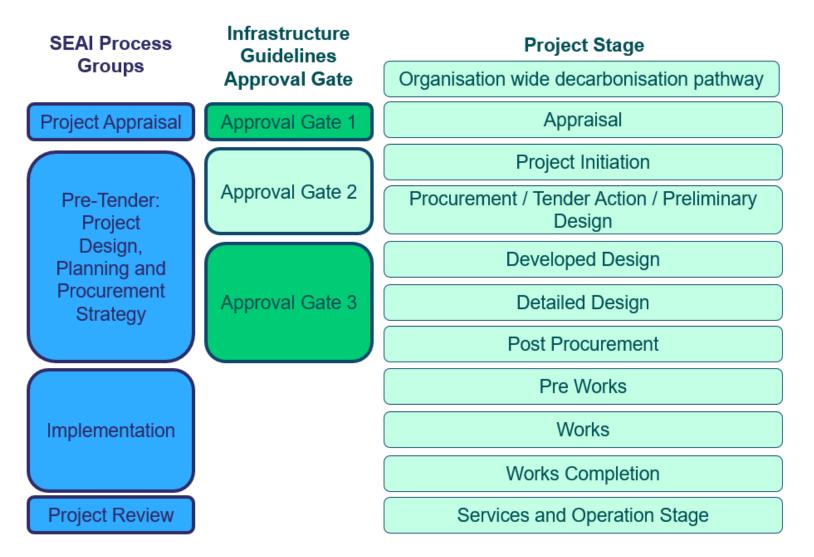
Learning 4: Procurement – Presenting Projects to the Market



- We assumed we could repeat what we had done before first competition tendered under DeliveREE collapsed, why?
- Shift in focus from Energy Efficiency to **Decarbonization means**:
 - Higher project capital cost (heat pumps)
 - Higher project **risk** (technical and financial)
 - This results in a higher **bid cost** for the ESCo (design costs)
 - ESCOs **not willing** to take on this cost risk

DeliveREE – Project Development Matrix





New procurement strategy (to reduce ESCo bid cost):



- **1. Pre-Qualification** (short list to 3)
- 2. Invitation to Competitive Dialogue the 3 shortlisted contractors Outline Solutions Report.
- **3.** Invitation to Tender Based on the outcome of the dialogue phase:
 - the client issues their final set of output requirements for the project
 - the contractors bid based on their audit and proposed solutions.
 - <u>No detailed design</u> has been completed at this stage – Preliminary Design

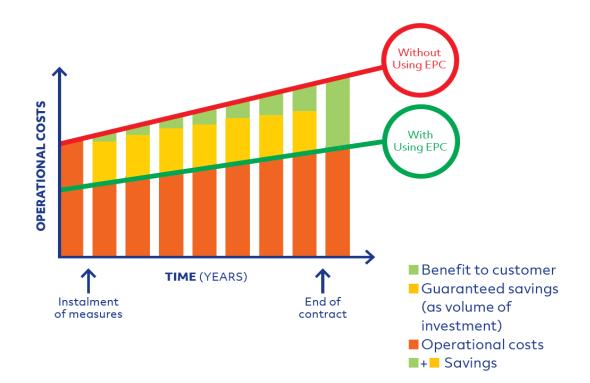
- 4. Selection of Preferred Bidder
- **5.** Contract Award
 - Contract has three phased:
 - 1. Detailed design (PDA)
 - 2. Works
 - 3. Services
 - <u>final costs cannot be greater than the</u> <u>tendered costs</u>
 - Costs expected to reduce as risk margin is designed out
 - Open book design process reviewed by client QS and Technical Advisor.
 - Contract can end at the end of the design phase



The Most Common Question?



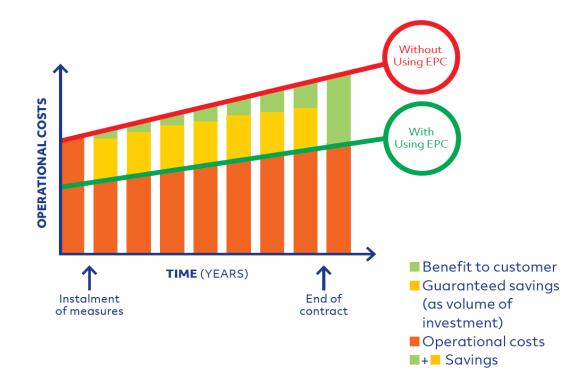
Why use Energy Performance Contracting?



WHAT EXACTLY IS EPC?

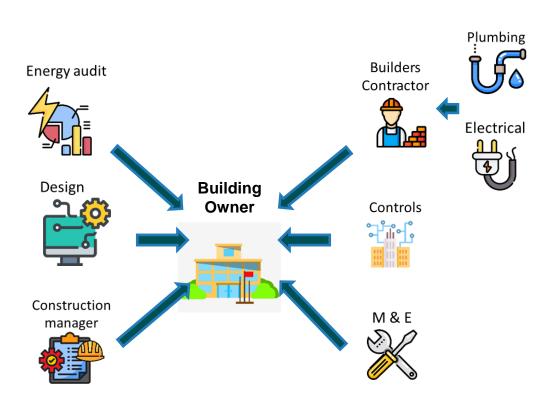


Energy Performance Contracting is the provision of energy services with a guaranteed outcome



TRADITIONAL CONTRACTING





Pros

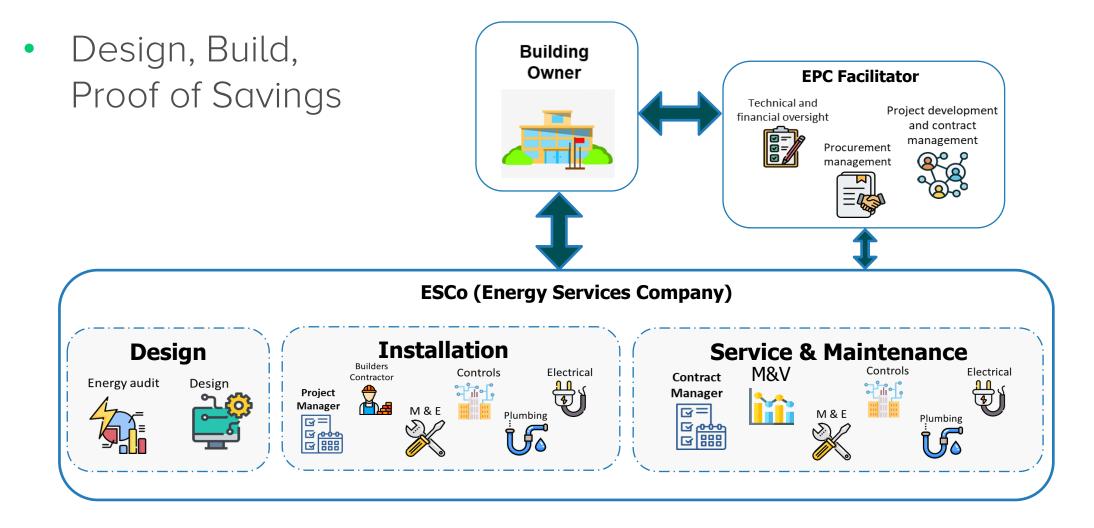
- Approach every knows well
- Building Owner is in full control, everyone answer to them

Cons

- Building Owner takes all Risks
 - Increased cost of works
 - Operational **performance** cost
 - System integration (old and new)
- Inefficient does not consider the efficiency of the overall building energy system

ENERGY PERFORMANCE CONTRACTING





WHY USE EnPC?



Buy the outputs not the inputs

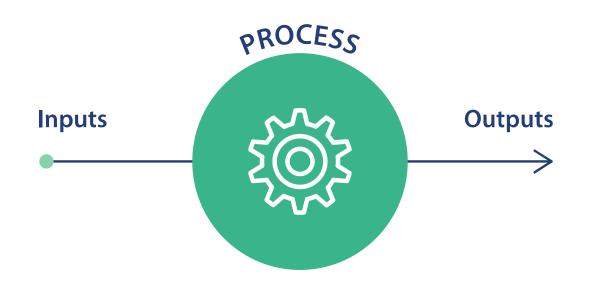
Inputs:

- PV Panels
- LED Lighting
- Heat Pumps
- Biomass Boilers
- CHP
- BMS
- AHU

•

- Insulation
- Gas Boilers
- Windows
- Fuel Cells

.



Outputs:

- Low carbon
- Comfortable
- Safe
- Cost efficient
- Energy efficient

Buy the outputs not the inputs



Inputs: PV Panels LED Lighting Gas Boilers Biomass Boilers

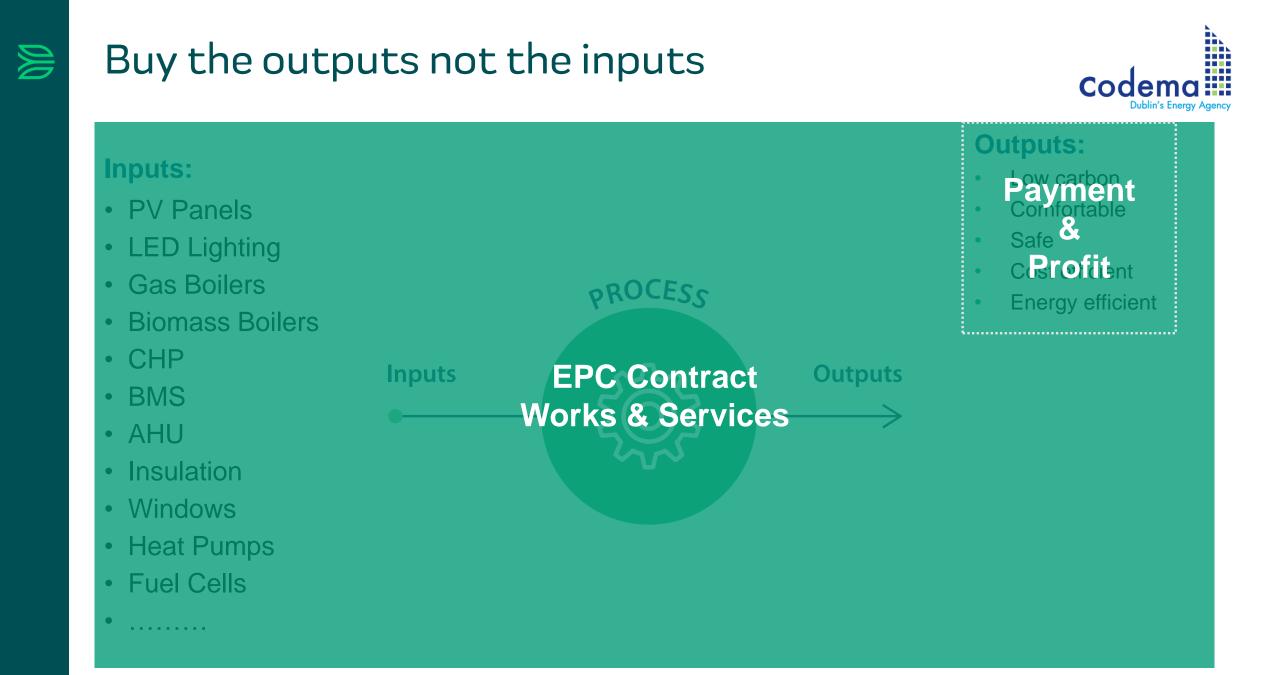
- CHP Inputs
 BMS Traditional Contract
- AHU Works Only
- Insulation
- Windows
- Heat Pumps
- Fuel Cells

Outputs

Outputs:

- Low carbon
- Comfortable
- Safe
- Cost efficient
- Energy efficient

•



WHY OUTPUTS?.....PERFORMANCE GAP





https://www.gov.uk/government/publications/lowcarbon-buildings-best-practices-and-what-to-avoid

- Building Performance
 Evaluation Programme over
 five years
- 50 low energy design buildings funded by Innovate UK
- Performance gap averaging 3.5

PERFORMANCE GAP



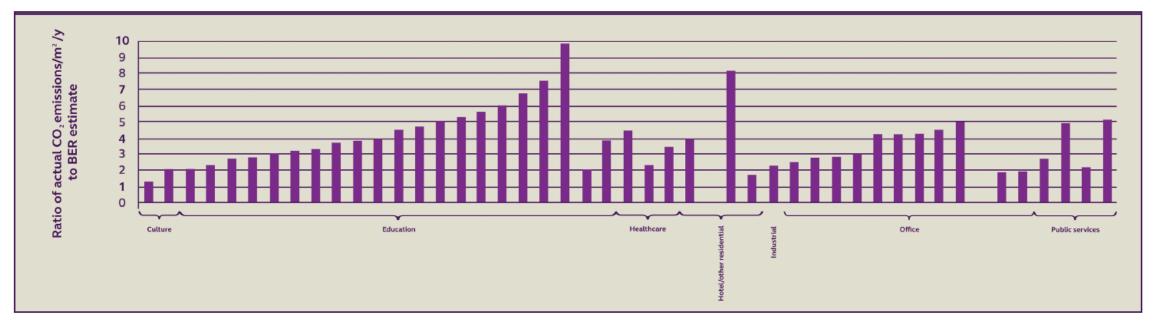


Fig. 2: Actual CO₂ emissions are almost always higher than the BER predicts (Carbon Factors: Electric 0.55kgCO₂/kWh, Gas 0.194kgCO₂/kWh, Oil 0.265kgCO₂/kWh, District heating 0.265kgCO₂/kWh, Biomass 0.025kgCO₂/kWh, from BRUKL). NB: Zero-rated buildings against one hotel and one office project are projects with CO₂ data but no BER.

https://www.gov.uk/government/publications/low-carbon-buildings-best-practices-and-what-to-avoid

EPC – PATHWAY TO ZERO CARBON



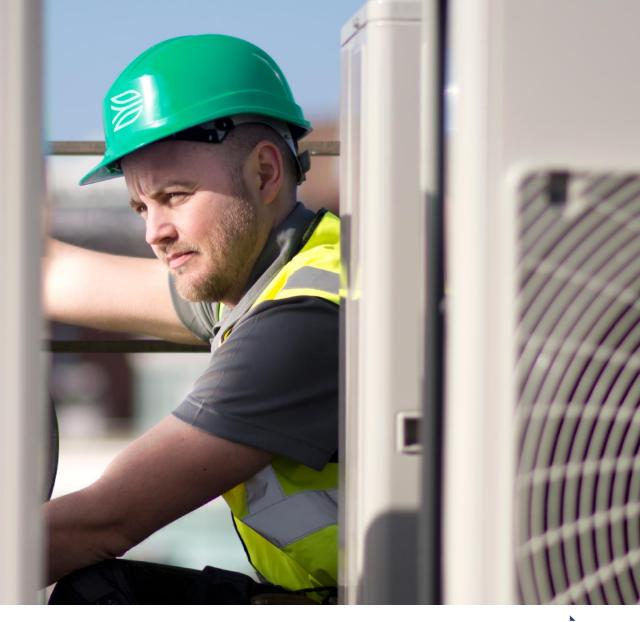
Performance Contracts (EPC, ESC and Performance Guarantees):

- Provides the <u>contract structure</u> for a <u>planned</u>, <u>phased</u> <u>decarbonization</u> of our buildings
- This allows for the **phasing out of existing assets** (boilers, CHPs, etc.) that may be relatively recent installations and have a structured plan for replacement
- EPC contractor (or ESCo) can prepare an implementation plan with the building owner so that a structured investment plan put in place
- Reduces decision-making uncertainty and complexity for Building Owner
- A Decarbonization Partnership

| THAT WAY | |
|----------|--|
| 0 | |



How to develop a Decarbonisation Partnership



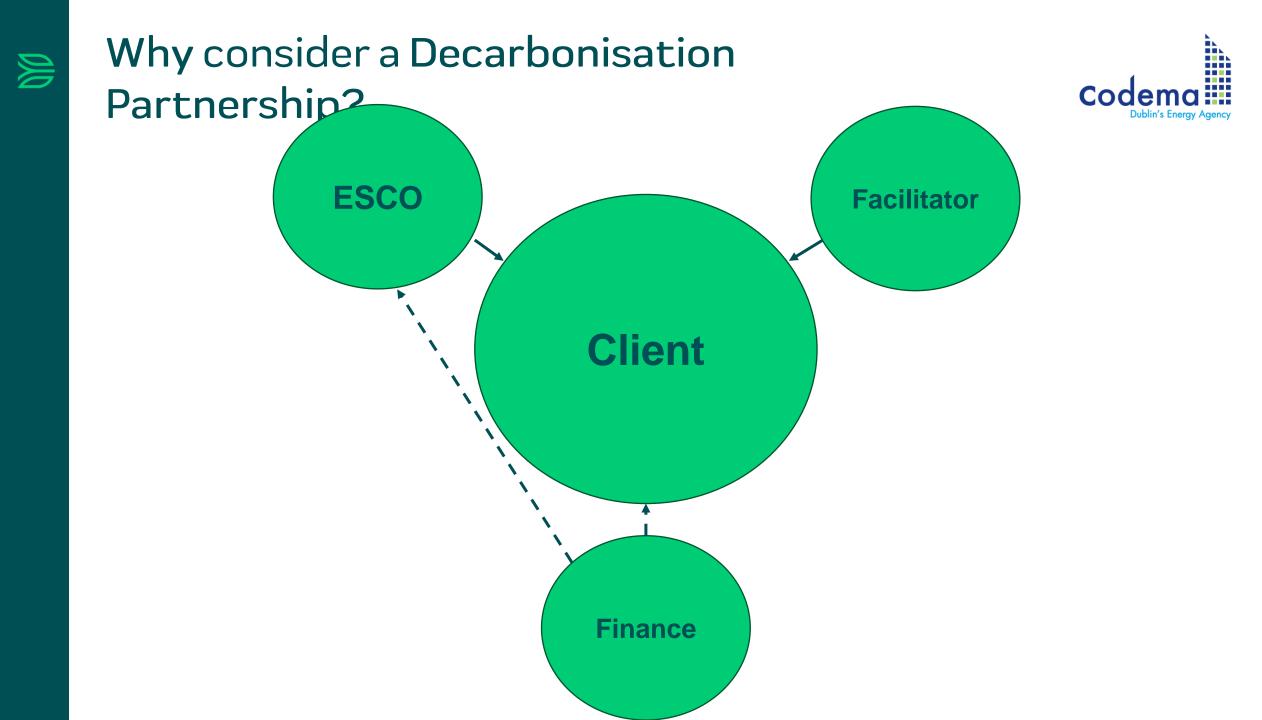
Emily Clarke, Energy Engineer

April 2025



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101032833





Why consider a Decarbonisation Partnership?



- DeliveREE project facilitates Decarbonisation Partnerships through the Project Implementation Unit (PIU)
- PIU uses a structured, standardised Project Development Process



- > Quality control
- Best practice project development methods
- Consistent product to market

How do I procure a Decarbonisation Partnership?



 Decarbonisation Partnerships use performance contracting to deliver energy upgrades

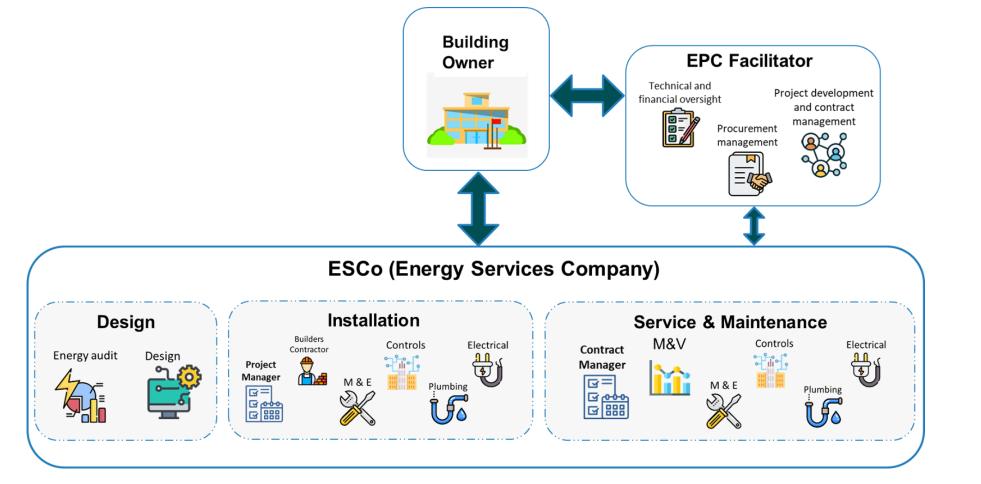


- Energy Performance Contracts
- Energy Guarantees
- Energy Supply Contracts

Who is involved the Decarbonisation Partnership?



Energy Services Companies (ESCOs)



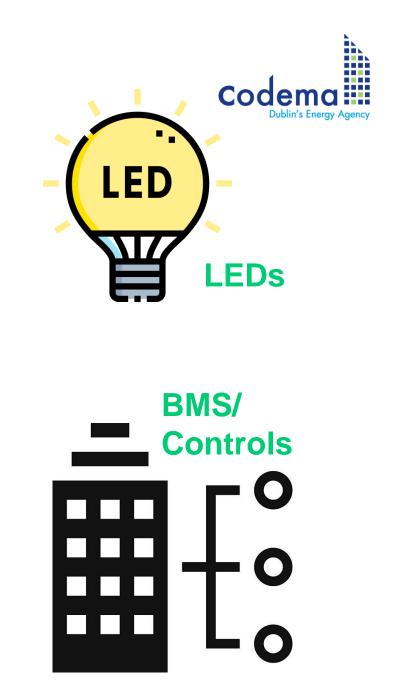
What type of upgrades are involved?

Active Energy Measures



Solar PV





What are the benefits of a Decarbonisation Partnership?



| BAU | Decarbonisation Partnership | | |
|--|--|--|--|
| Small, low value, single technology projects | Holistic building decarbonisation & contracted pathway to net zero-renovation roadmap for building | | |
| Poor results (no measurement and verification) | Measurement and Verification guarantees results | | |
| Technical risk (performance of measures) taken on by client organisation | Risk of performance of measures taken on by the technical expert (ESCO) | | |
| Building owner must manage multiple contractors | One face to client | | |
| Difficult to finance | Can bring in third party financing through ESCO | | |

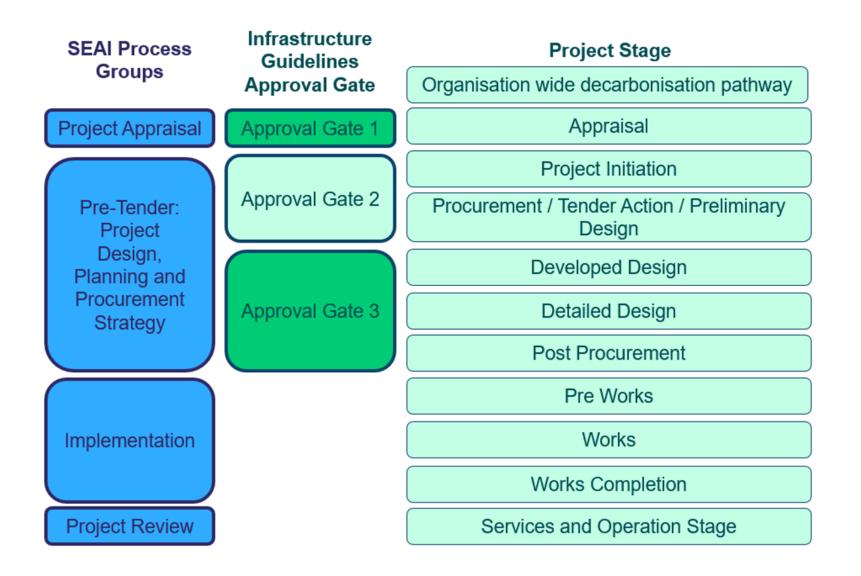
How do Decarbonisation Partnerships fit into existing systems?



- Architect led design teams
- Fabric first approach
- Existing contractors and facilities management
- Energy Management Systems (eg. ISO50001)
- EEOS Credits
- Climate targets
- Pathfinder Funding
- Infrastructure Guidelines

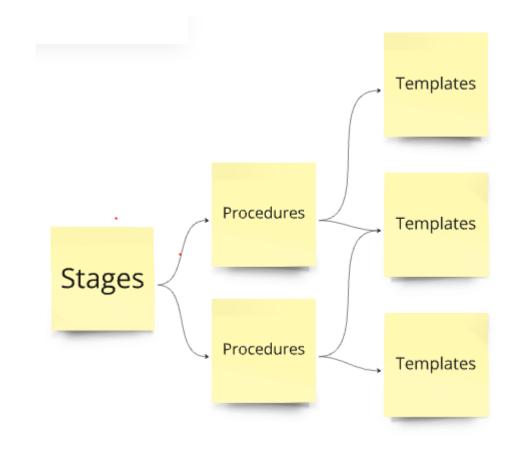
How are projects developed?





How are projects developed?





How are projects developed?

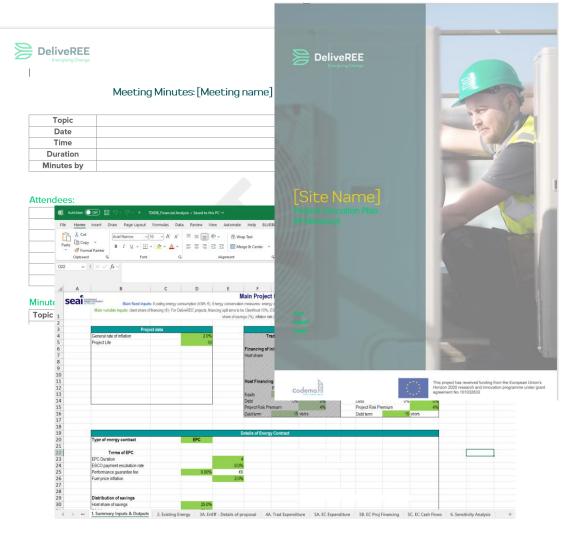


| Governance | Project Stage | Deliverable | Proce | Level | | Pathfinder Requirement | Template/Guidelines | Output(s) | DeliveREE PIU | DCC | Other Las | SEAI | Pathfinder Steering Group | Client |
|------------------------------|--------------------|---|-------|--------------------|---|---------------------------|----------------------------|----------------------------------|------------------|-----|-----------|-----------|---------------------------------|----------------------------------|
| Infrastructure Guidelines | Appraisal | Terms or Reference | | Programme | Y | Required | | Steering Group terms of Refer | | | | | | Oversight/ |
| | | Pre Works BER Assessment | | Project | | Recommended | BER guidelines, RFT Tem | | | | | | | Approval Oversight/ |
| | | Decarbonisation Assessment Report | 02E | Project | Y | Recommended | DeliveREE Decarbonisati | Decarbonisation Assessment F | Lead | | | | | Approval |
| - | | Preliminary Business Case | 02F | Programme | N | Required | DeliveREE template base | Preliminary Business Case | Support | | | Oversight | Oversight | Lead Oversight/ |
| - | | Project Selection Matrix | 02G | Programme/ Project | N | Required | SEAI Project Selection Ma | a Project Selection Matrix Excel | Lead | | | Oversight | | Approval |
| - | | State Aid Assessment | 02H | Programme | N | Required | SEAI State Aid Assessme | e State Aid Assessment | Support | | | Oversight | | Lead (Lega department |
| | | Project Selection Report (AG1) | 021 | Programme | N | Required | SEAI Template | Project Selection Report | Oversight | | | Lead | Approval | Oversight |
| - | Project Initiation | M&V Gap Analysis and Baseline Creation | 03A | Project | Y | Audit only | N/A | Submeter data | Lead | | | | | Support |
| | | Project Execution Plan (Preliminary) | 03B | Project | Y | Submission | Infrastructure guidelines, | Project Execution Plan Report | Lead | | | | | Oversight |
| - | | Stakeholder Engagement, Team establishment and | 03C | Project | Y | Audit only | N/A | | Support | | | | | Lead/Approv |
| - | | Technical Advisory and QS Team Procurement | 03D | Project | Y | Not required | PIU Template based on S | Tender Brief for Technical Advi | Lead | | | | | Oversight/Sup |
| | | Market Engagement | 03E | Programme/ Project | Y | Not required | N/A | | Lead | | | | | Oversight/Sup |
| | | Surveys | 03F | Project | Y | Audit only | Asbestos (Safety, Health | Survey Reports | Support | | | | | Lead |
| | | Prequalification Questionnaire | 04A | Project | Y | Audit only | SEAI NESF Template | Published Prequalification Que | Lead | | | | | Oversight/Sup /Approval |
| | | Technical File | 04B | Project | Y | Audit only | PIU Template | Technical File | Lead | | | | | Support |
| | | Draft Client Requirements or Works specification | 04C | Project | Y | Audit only | | Client Requirements Documen | Lead | | | | | Oversight/App al |
| ž | Procurement/Tend | Invitation to Participate in Competitive Dialogue | 04D | Project | Y | Audit only | SEAI NESF Template | Published Invitation to Particip | Lead | | | | | al Oversight/Sup /Approval |
| ework | er | Outline Solutions Report/Concept design | 04E | Project | Y | Audit only | RIBA Plan of Work | Outline Business Case Report | Support | | | | | Support |
| 8 | | Invitation to tender | 04F | Project | Y | Audit only | SEAI NESF Template | Published Invitation to Tender | Lead | | | | | Oversight/Sup /Approval |
| Fra | | Tender Evaluation Report | 04G | Project | Y | Submission | Infrastructure Guidelines, | CWMF | Support | | | | Approval | Oversight |
| Works Management | | Project Selection Report EPC (AG2) | 04H | Programme/ Project | N | Submission | SEAI Template | | Support | | | Lead | Approval | Oversight |
| | | Contract Award | 041 | Project | Y | Submission | SEAI NESF Template | Signed Energy Performance C | Lead | | | | | Approval |
| | Developed Design | M&V Plan | 05A | Project | Y | Submission | ITPCD requirements, IPM | M&V Plan (schedule to contrac | Oversight | | | | | Approval |
| | | Developed Design Report | 05B | Project | Y | Audit only | RIBA Plan of Work/CWM | Design Reports: Concept Desi | Support | | | | | Support |
| | | Challenge and Analyse (1) | | Project | Y | Audit only | | h Challenge and Analyse Report | Support | | | | | Support |
| | | Detailed Design Report | 06A | Project | Y | Audit only | RIBA Plan of Work/CWM | Design Reports: Concept Desi | Support | | | | | Support |
| | Detailed design | Challenge and Analyse (2) | | Project | Y | Audit only | | Challenge and Analyse Report | Support | | | | | Support |
| olta | | Final Business Case | | Programme | Y | Submission | Infrastructure Guidelines, | CWME | Support | | | | | Lead |
| Capital | I [| Project Selection Report (AG3) | | Programme/ Project | N | Submission | Infrastructure Guidelines | | Oversight | | | Lead | Approval | Oversight |
| ซ | | Funding Drawdown Request (First Payment) | | Programme/ Project | N | Submission | minustructure Guiuellilles | Funding drawdown request, se | Support | | | Approval | | Lead |
| - <u>e</u> | | r unung brawuown Request (Filst Payment) | 0/0 | Frogramme/ Project | | Submission | | ir unung urawuown request, se | | | | | | |

How are projects developed?



| Deliv | veREE Procedur | al Document | |
|----------------------------------|---|---|------|
| Procedure Name | Pre Works BER Asses | smant | |
| Date Created | 11th November 2024 | Sment | |
| Created by | Adam Doyle | | |
| Version | v1 | | |
| Date Last Updated | 11th November 2024 | | |
| Updated By | Adam Doyle | | |
| | | | |
| | | | |
| Description A pro | ocedural guide outlining t | he steps for procuring a | |
| Relevan | | | |
| Relevan Template Guideline | Procedure Name Date Created Created by Version | State Aid Assessment 9th December 2024 Emily Clarke V1 9th December 2024 | |
| Template Guideline | Date Created Created by Version Date Last Updated | 9th December 2024 Emily Clarke v1 9th December 2024 | |
| Template Guideline | Date Created by Version Date Last Updated Updated By Description S fit by | 9th December 2024 Emily Clarke v1 9th December 2024 Emily Clarke tate Aid is a term that refers to forms of State-controlled nancial resources, given to Undertakings on a discretionary asis, with the potential to distort competition and affect trade stween Member States of the European Union. All | |
| Template Guideline | Date Created by Version Date Last Updated Updated By Description S III b b b P P | 9th December 2024 Emily Clarke V1 I 9th December 2024 Emily Clarke tate Aid is a term that refers to forms of State-controlled nancial resources, given to Undertakings on a discretionary asis, with the potential to distort competition and affect trade etween Member States of the European Union. All athfinder projects must be assessed for State Aid. | |
| Template Guideline | Date Created Created by Version Date Last Updated Updated By Description S In b b P Frequency/ M | 9th December 2024 Emily Clarke v1 1 9th December 2024 Emily Clarke tate Aid is a term that refers to forms of State-controlled mancial resources, given to Undertakings on a discretionary asis, with the potential to distort competition and affect trade tween Member States of the European Union. All athfinder projects must be assessed for State Aid. ust be submitted to SEAI in order for a project to be | III) |
| Template Guideline | Date Created by Version Date Last Updated Updated By Description Fin bi bi bi bi bi bi bi bi bi bi bi bi bi | 9th December 2024 Emily Clarke V1 I 9th December 2024 Emily Clarke tate Aid is a term that refers to forms of State-controlled nancial resources, given to Undertakings on a discretionary asis, with the potential to distort competition and affect trade tween Member States of the European Union. All athfinder projects must be assessed for State Aid. ust be submitted to SEAI in order for a project to be opproved in principle. | |
| Template Guideline | Date Created Created by Version Date Last Updated Updated By Description Fin bib P Frequency/ Timing Relevant S Templates | 9th December 2024 Emily Clarke v1 1 9th December 2024 Emily Clarke tate Ald is a term that refers to forms of State-controlled nancial resources, given to Undertakings on a discretionary asis, with the potential to distort competition and affect trade etween Member States of the European Union. All athfinder projects must be assessed for State Ald. ust be submitted to SEAI in order for a project to be poproved in principle. EAI State Aid Assessment for Pathfinder | |
| Template Guideline | Date Created Created by Version Date Last Updated Updated By Description Frequency/ M Timing a Dependencies Relevant S Templates | 9th December 2024 Emily Clarke V1 I 9th December 2024 Emily Clarke tate Aid is a term that refers to forms of State-controlled nancial resources, given to Undertakings on a discretionary asis, with the potential to distort competition and affect trade tween Member States of the European Union. All athfinder projects must be assessed for State Aid. ust be submitted to SEAI in order for a project to be opproved in principle. | |



Who develops the projects?

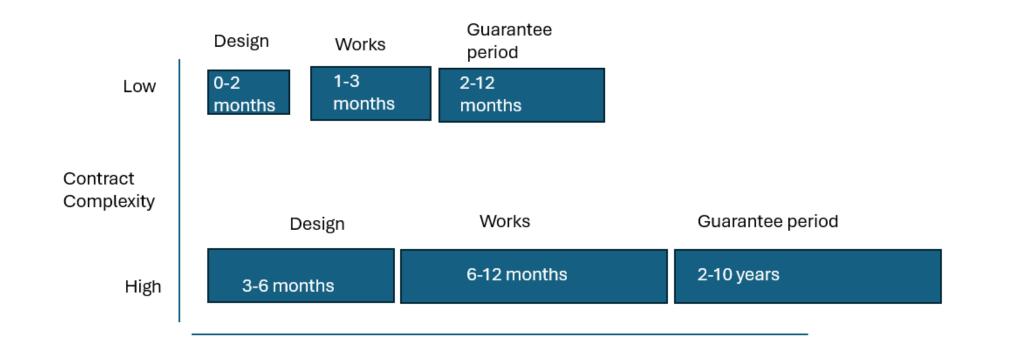


Facilitator

- bridge and balance the different stakeholder interests
- manages the project development process
- unique expertise and skills
- independent third party

What does the contract look like?

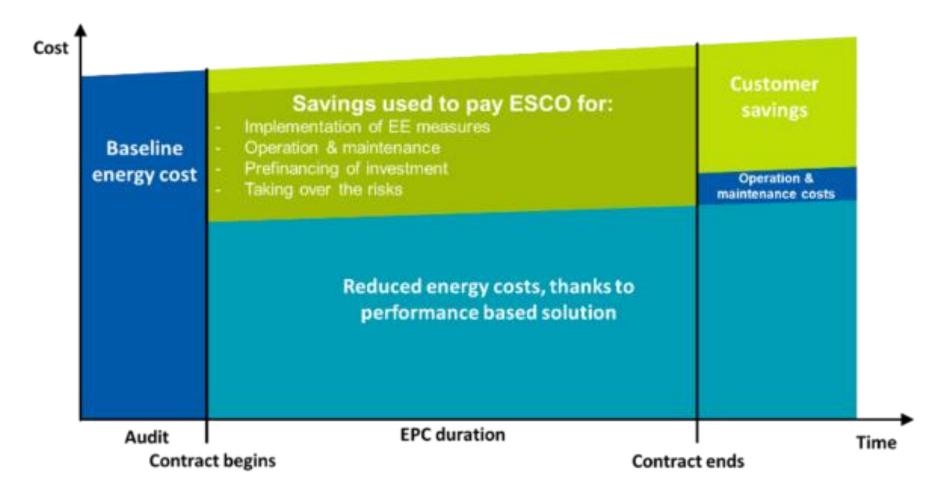


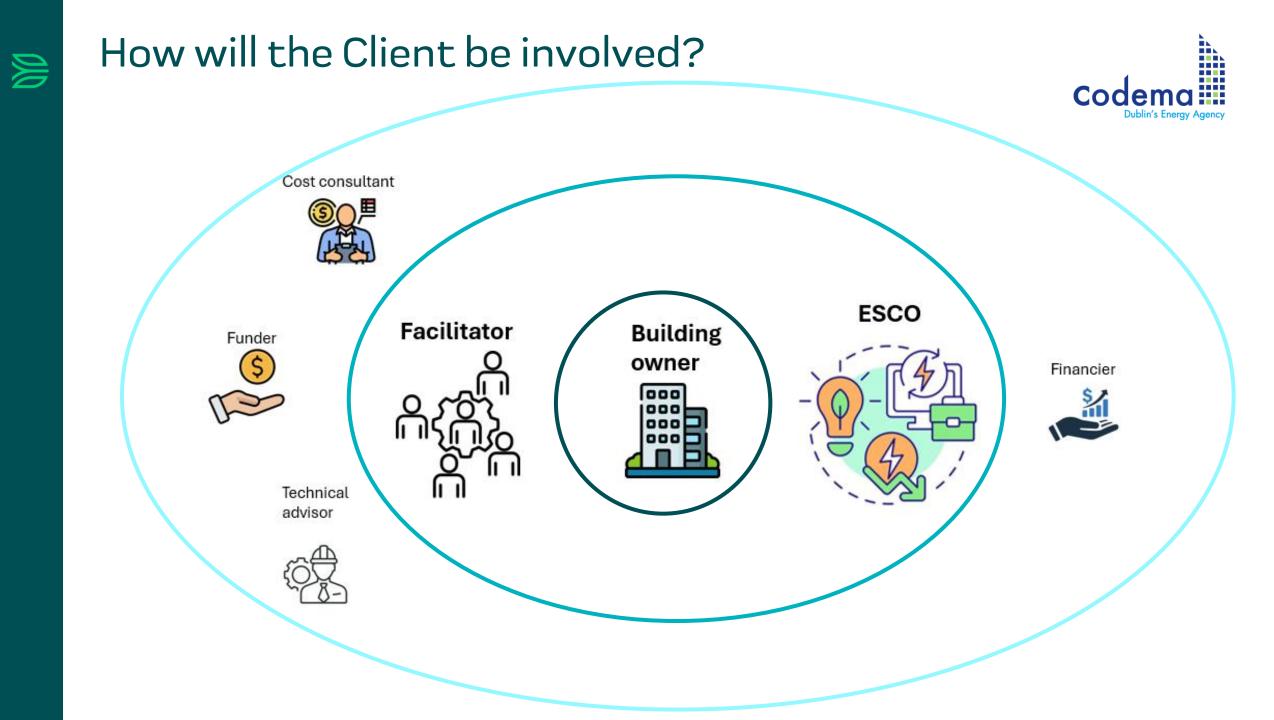


Time

What does the contract look like?

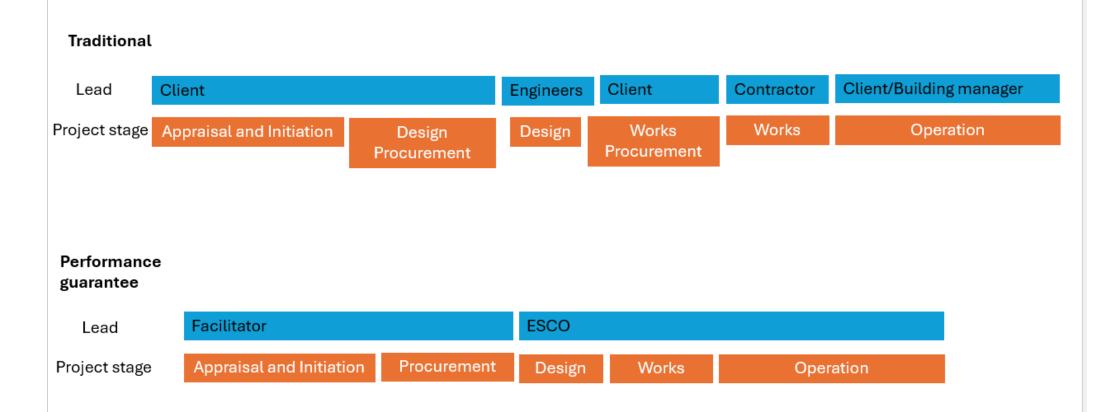






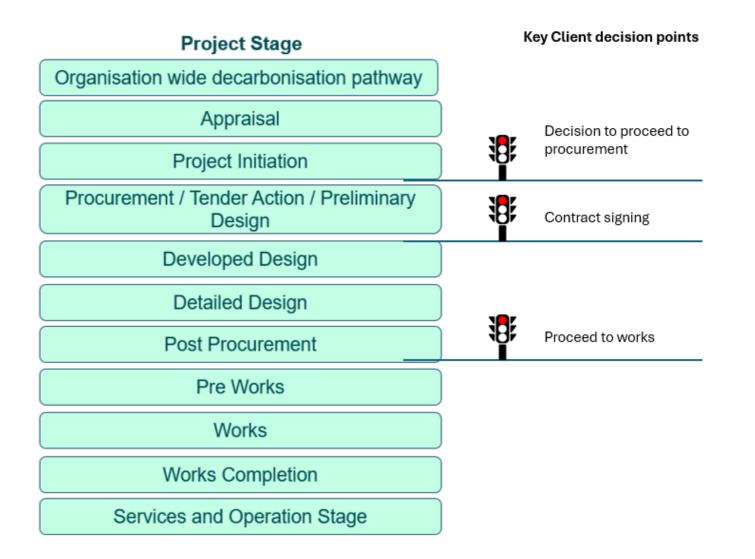
How will the Client be involved?





How will the Client be involved?





How can I find out more?



DeliveREE hub, <u>https://www.codema.ie/our-work/deliveree/</u>

DeliveREE

Delivering Energy Performance Contracting to commercial and public buildings at scale

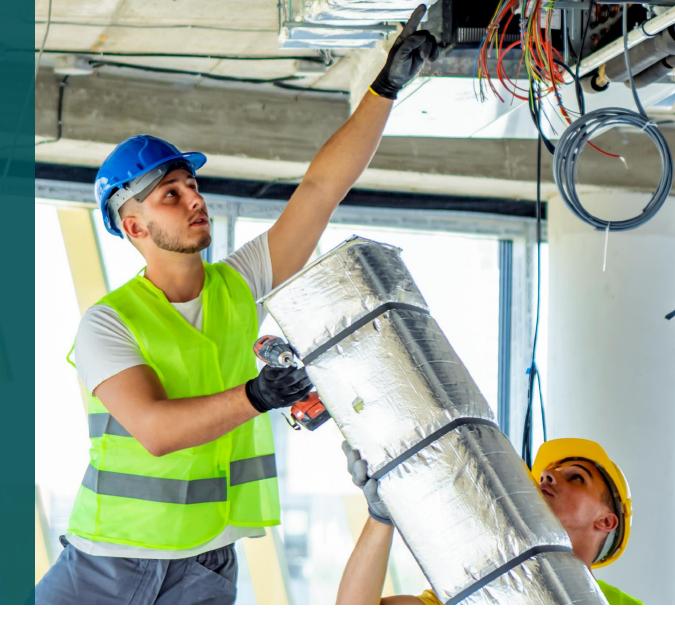
| On this page: | What is DeliveRE | E? Benefits of using D | eliveREE |
|---------------|-------------------|-------------------------|-------------------------------|
| What is Ener | gy Performance Co | ontracting? Our DeliveF | REE EPC projects |
| Project partn | ers and funders | Codema's DeliveREE team | m Codema's other EPC projects |
| | | | |



Community of best practice (linkedin)



Thank You







HOW TO DEVELOP AN ENERGY PERFORMANCE CONTRACT (EPC) PROJECT

Q&A SESSION

