

# 'Energy' related procurement requirements in Ireland

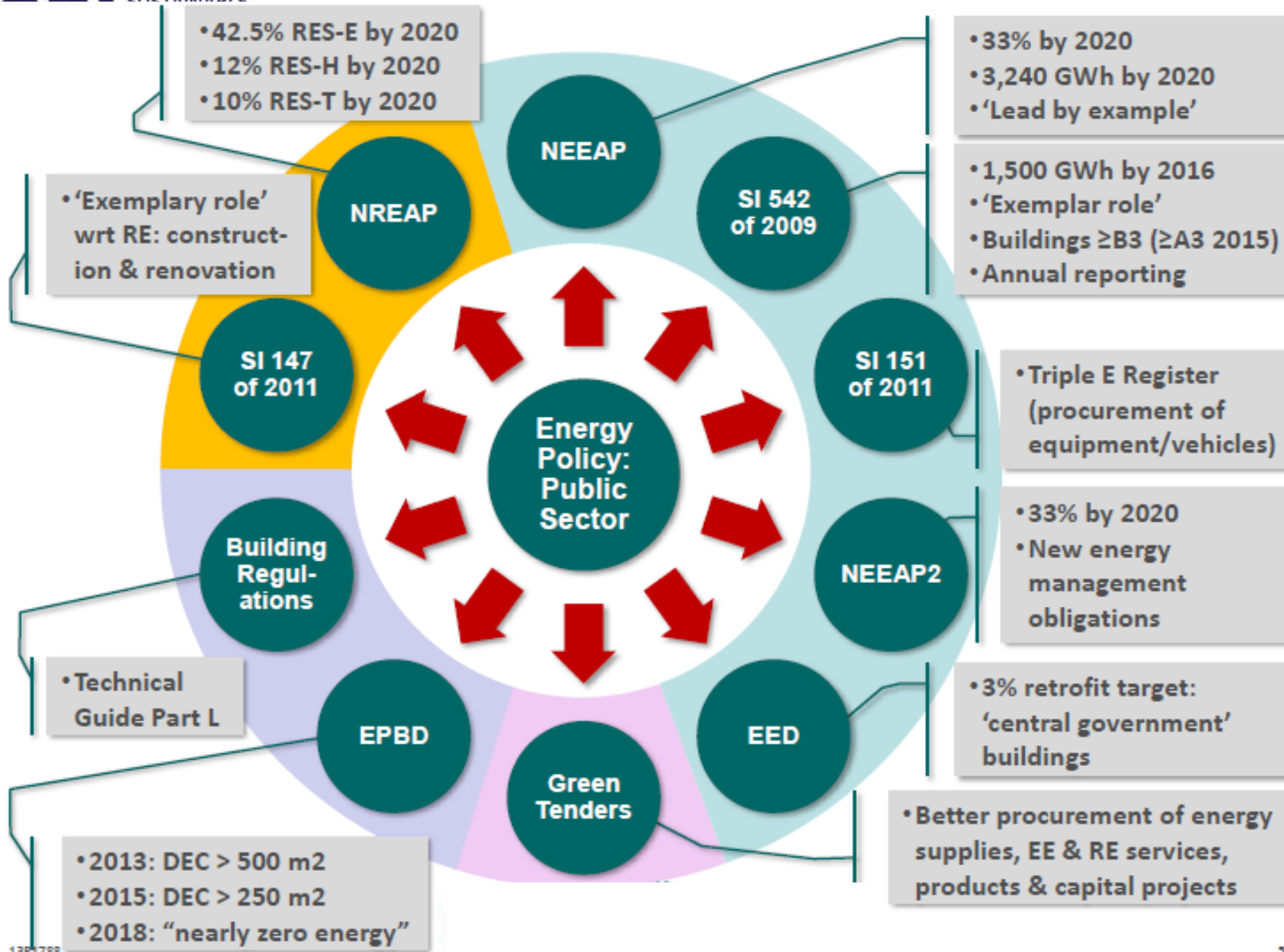
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# Policy and legal obligations



- Purchasing energy supplies
- Purchasing energy using equipment
- Purchasing energy services
- Purchase new facilities / buildings etc
  
- [http://www.seai.ie/Your\\_Business/Public\\_Sector/Funding\\_Finance\\_Procurement/Public\\_Sector\\_Procurement\\_Requirements/Public\\_Sector\\_procurement\\_requirements.html](http://www.seai.ie/Your_Business/Public_Sector/Funding_Finance_Procurement/Public_Sector_Procurement_Requirements/Public_Sector_procurement_requirements.html)

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## ACA Categories and Criteria

The ACA, as detailed in the [Finance Act](#), covers 10 different equipment **categories** and 52 associated **technologies**. The **eligibility criteria** applicable for a particular technology are listed in the table below.

The ACA criteria are updated on a regular basis -

**If you would like to subscribe to receive updates on the ACA criteria, please contact us.**

**Overview of the ACA equipment categories and their minimum expenditure criteria:**

Equipment Category	Minimum expenditure (for ACA incentive)*
Building Energy Management Systems (BEMS)	€5,000
Lighting	€3,000
Motors and Drives	€1,000
Information and Communications Technology (ICT)	€1,000
Heating and Electricity Provision	€1,000

Equipment Category	Minimum expenditure (for ACA incentive)*	Technology	Effective Date
Process and Heating, Ventilation and Air-conditioning (HVAC) Control Systems	€1,000	<a href="#">General Controls</a>	20.09.2009
		<a href="#">Condensate Recovery Systems</a>	17.12.2009
		<a href="#">Steam Systems</a>	28.09.2009
		<a href="#">Biomass Boilers</a>	23.08.2011
		<a href="#">Inverters</a>	30.09.2011
		<a href="#">Solar Thermal Collectors</a>	02.09.2013
		<a href="#">HVAC Zone Control</a>	28.09.2009
		<a href="#">Heat Exchangers</a>	27.09.2010
		<a href="#">Pumps</a>	28.09.2009
		<a href="#">Hydraulic Power Recovery Turbine</a>	28.09.2009
Electric and Alternative Fuel Vehicles	€1,000	<a href="#">Blowers</a>	28.09.2009
		<a href="#">Fans</a>	28.09.2009
		<a href="#">Electric Vehicles and Associated Charging Equipment</a>	28.09.2009
Catering and Hospitality	€1,000	<a href="#">Alternative Energy Vehicle Conversions</a>	28.09.2009
		<a href="#">Commercial Dishwashers</a>	18.06.2010
Electromechanical Systems	€1,000	<a href="#">Commercial Laundry Dryer</a>	18.06.2010
		<a href="#">Commercial Combination Ovens</a>	18.06.2010
		<a href="#">Commercial Laundry Washer</a>	23.06.2010
		<a href="#">Water Boilers</a>	04.06.2010
		<a href="#">Electrical Actuators</a>	18.06.2010
		<a href="#">Extrusion Blow Moulding Machines</a>	18.06.2010
		<a href="#">Injection Blow Moulding Machines</a>	18.06.2010
		<a href="#">Injection Moulding Machines</a>	18.06.2010
		<a href="#">Process Energy Management Systems</a>	23.06.2010
		<a href="#">Voltage Stabilisation</a>	23.06.2010
Refrigeration and Cooling	€1,000	<a href="#">Compressors and Condensing Units</a>	23.06.2010
		<a href="#">Condensers</a>	23.06.2010
		<a href="#">Refrigerated Display Cabinets</a>	23.06.2010
		<a href="#">Refrigeration System Controls and Monitoring</a>	23.06.2010
		<a href="#">Chillers and Fluid Coolers</a>	27.09.2010
		<a href="#">Heat Pumps</a>	25.07.2011

- From buying 100 lights, perhaps having to replace the fitting, commission them etc

To

- Buying a lighting service – buy a lux level for a certain guaranteed cost reduction

- From buying oil

To

- Buying heat i.e. biomass energy supply contract

- Buying a guaranteed energy saving
- For kWh saving projects
  - If they don't meet the saving target, until target achieved, then
    - Don't pay them **part** of what their owed  
***Energy Performance Related Payment (EPRP)***
    - Don't pay them at **all** / ESCO makes up difference  
***Energy Performance contracting (EPC)***
  - EPRP short term contracting, EPC typically longer
- For cost per kWh saving projects
  - Pay for a guaranteed cost per kWh  
***Local Energy Supply Contracting (LESC)***

- Follow the principles of Energy Efficiency Design Management (EEDM)
- Enhances the design requirements of ISO50001



Irish Standard  
I.S. 399:2014

## Energy Efficient Design Management – Requirements with Guidance for Use

- New Irish standard that assists in the design, construction and management of projects, so that they consume the minimum quantity of energy during their subsequent operation.
- The purpose of the standard is to enable organisations establish a systematic approach to the design, construction and commissioning of new investment projects.
- Published August 2014
- Available to purchase at [www.standards.ie](http://www.standards.ie)

quality opportunities improvement  
 commissioning  
 establish requirements performance processes  
 definitions guidance corporate authority  
 appropriate audit external service result contact action commitment  
**design** documented roles control organization  
 ensure use EED compliant incorporated  
 objectives impact DfEP cost balance  
 interested policy Interested scope operation  
 determine project planning standard  
 equipment level review evidence person information  
 operating measurement review include consumption system  
 responsibilities activities implementation  
 analysis evidence person information

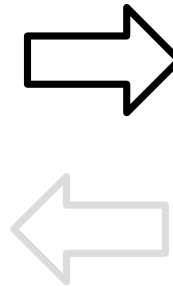


## Energy Efficient Design [I.S.399]

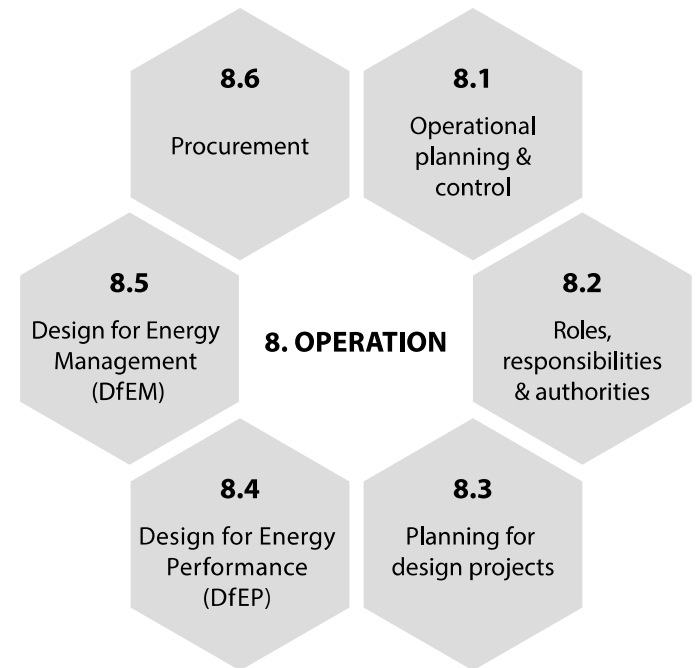
Organisation, processes, guiding principles  
and control implemented in design projects  
for the purpose of reducing the lifecycle  
energy consumption of its energy use

**ISO50001 IMPLEMENTATION**  
**WEAKNESS**

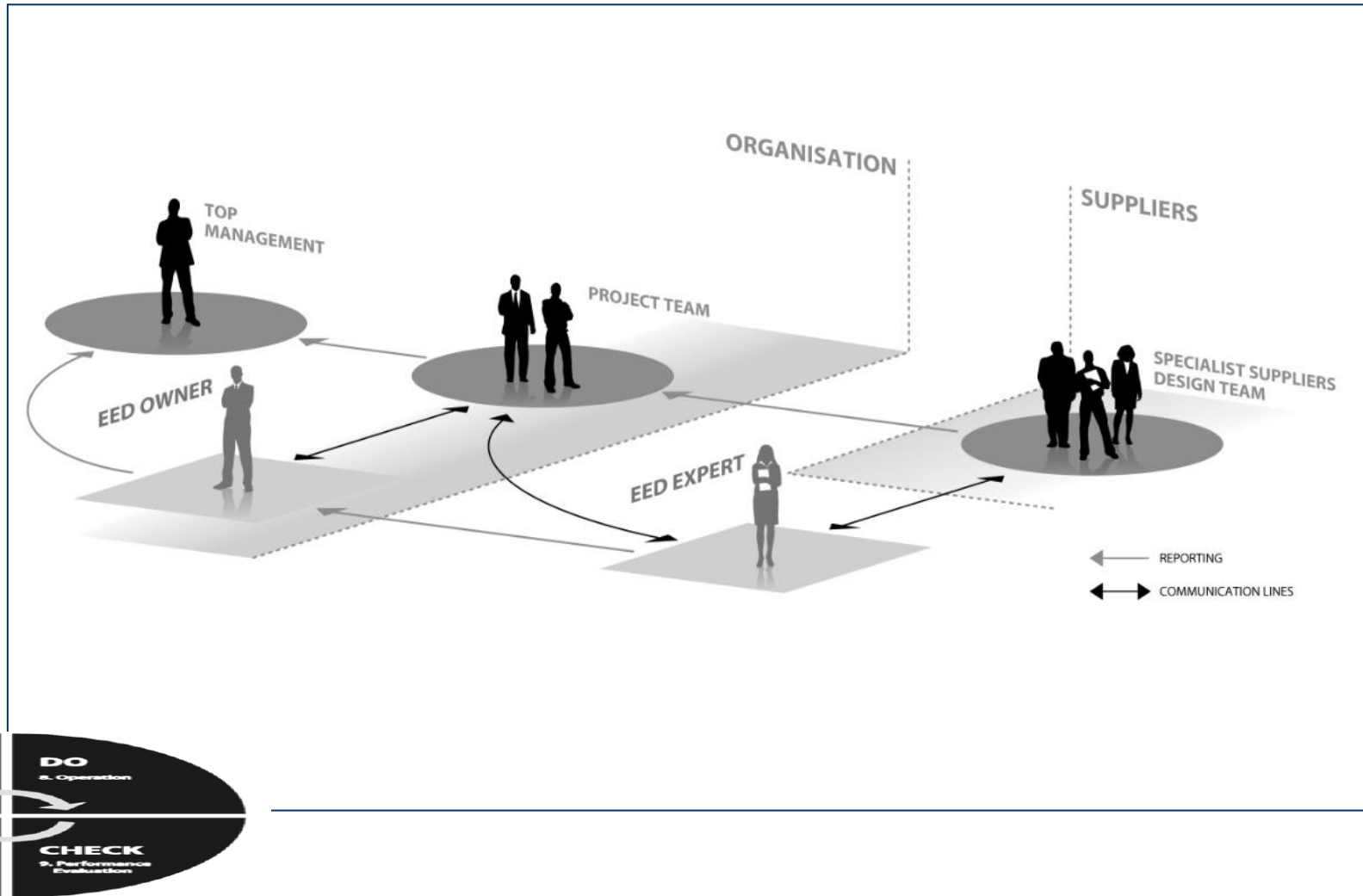
## EED Management System



## Design Project Application



# Design project organisation



# Suggested sequence of activities

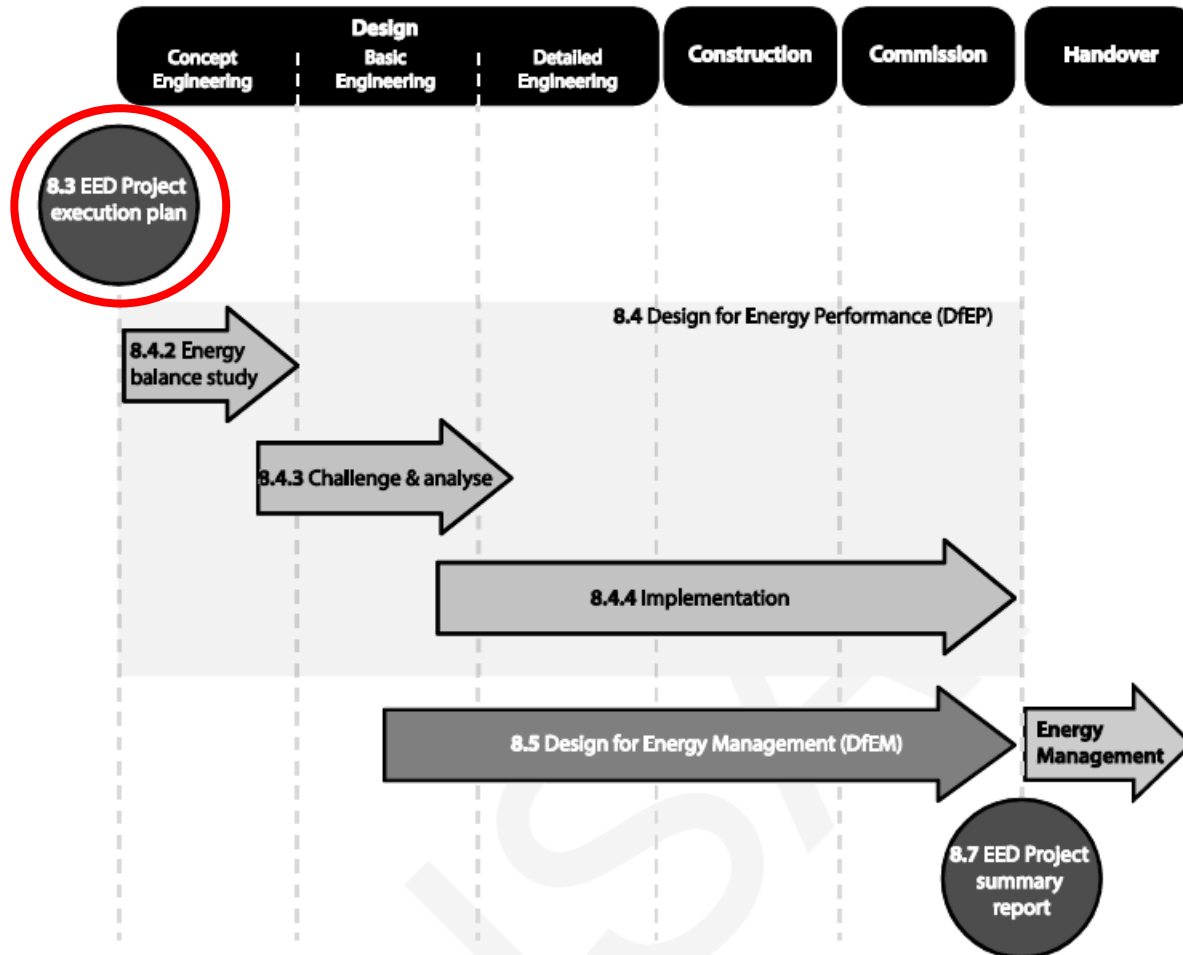


Figure A.2 — Sequence of activity in design projects

# Suggested sequence of activities

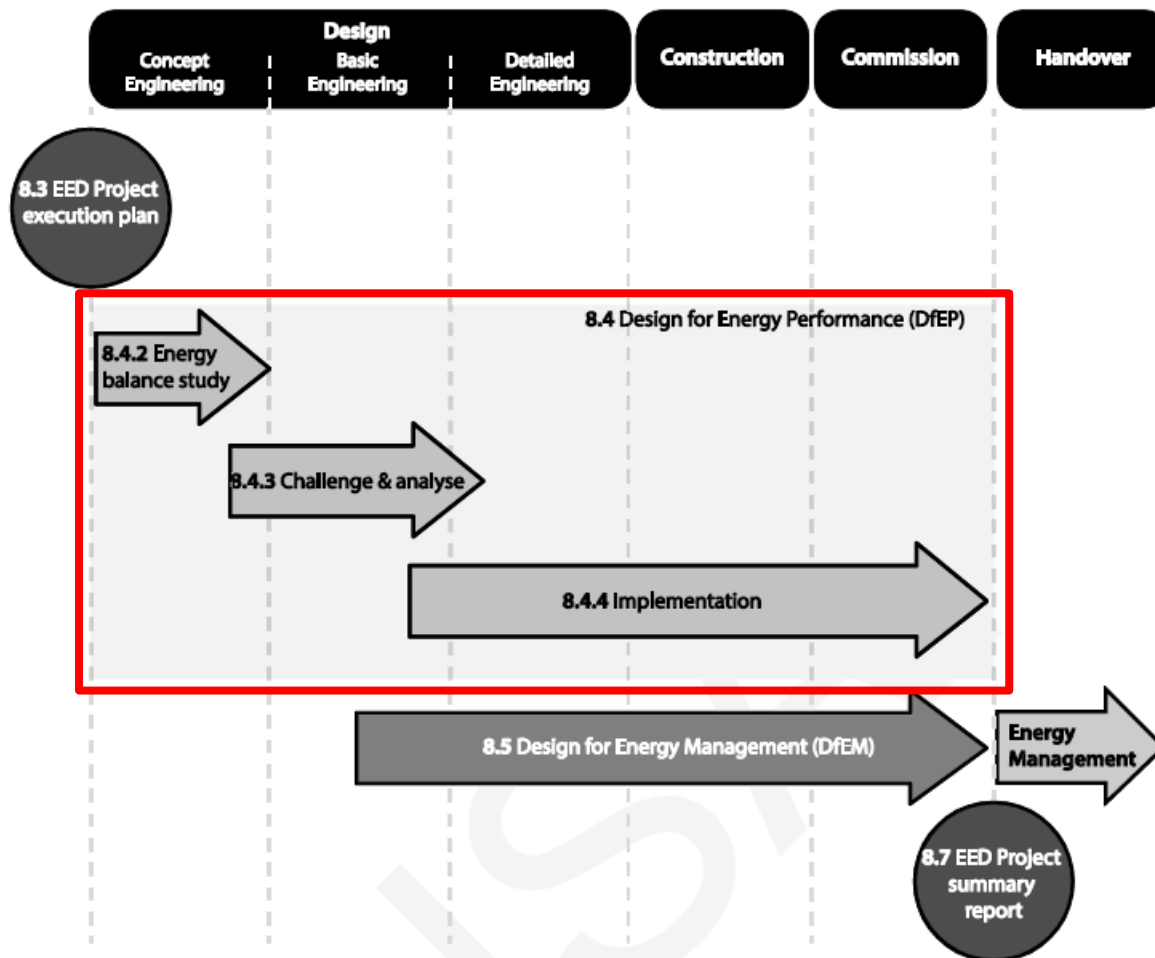


Figure A.2 — Sequence of activity in design projects

# Suggested sequence of activities

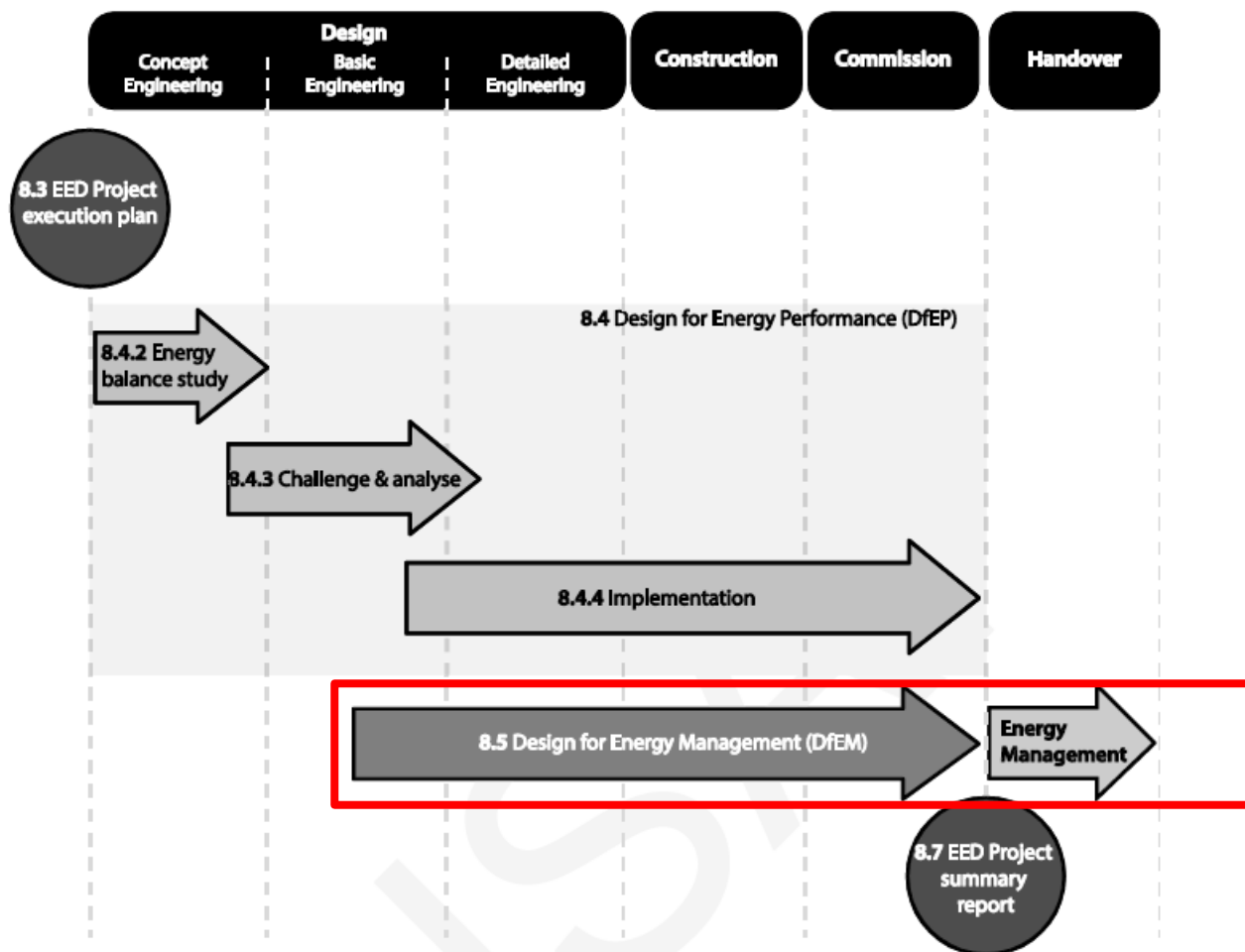






Figure A.2 — Sequence of activity in design projects

# Sample Public Sector Projects

Project		Savings Identified  (%)	Savings Implemented  (%)	Savings Implemented*  (kWh)	CO <sub>2</sub> Emissions  (Tonnes )	Payback  (years)	20 Year Value of Savings  (€)
<u>Athlone</u> Main Drainage Scheme		17	13	161,900	103.1	0	290,640
<u>Osberstown</u> Waste Water Treatment Plant		3	4	685,435	438.5	1.4	2,565,880
<u>Leixlip</u> Waste Water Treatment Plant		17	26	1,197,379	767	1.6	3,110,660
Laois Co. Co. Water Supply		9	6	355,300	144	0.1	544,020

## Getting commitment

65 partners > 75% elec demand

## Networking

Best practice sharing



Track organisation  
performance

Track projects performance

Energy Services Framework

Supports for projects

National Energy Efficiency Fund



Thank you

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[www.seai.ie/Your\\_Business/Public\\_Sector/](http://www.seai.ie/Your_Business/Public_Sector/)

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