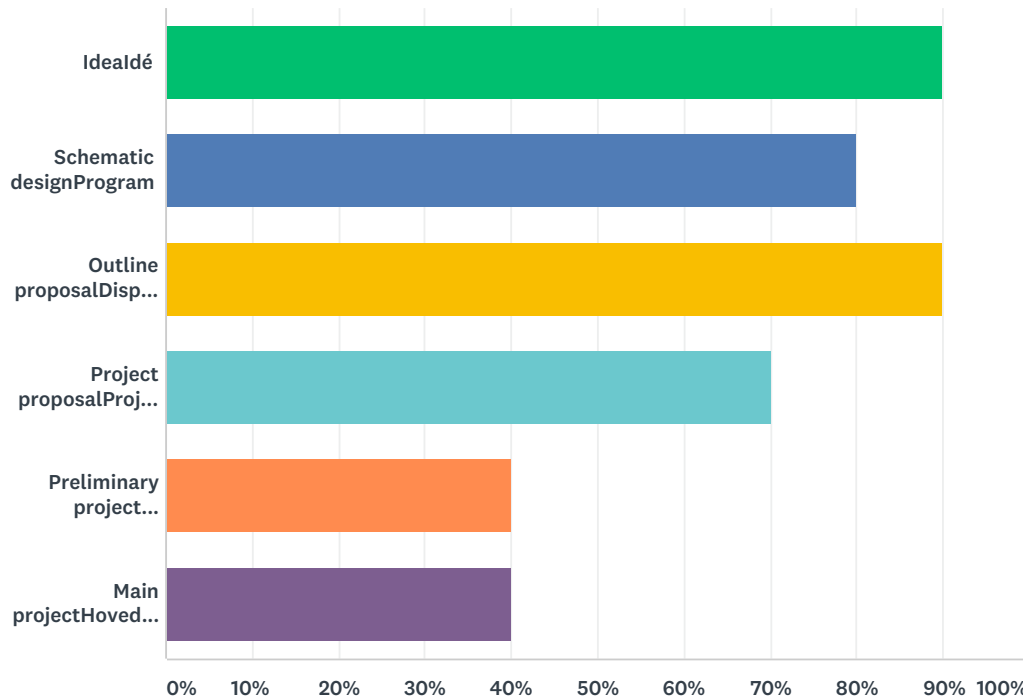# Q1 Which phases of building design do you mainly participate in?The phases represent the description in Description of Services: Building and Planning (Ydelsesbeskrivelse for Byggeri og Planlægning, Danske ARK og FRI)

Besvaret: 10   Sprunget over: 1

SVARVALG	BESVARELSER	
IdeaIdé	90,00%	9
Schematic designProgram	80,00%	8
Outline proposalDispositionsforslag	90,00%	9
Project proposalProjektforslag	70,00%	7
Preliminary project (Regulatory project)Forprojekt (Myndighedsprojekt)	40,00%	4
Main projectHovedprojekt	40,00%	4
Respondenter i alt: 10		

Q2 Who do you mainly collaborate with in the Idea phase and how much?1 = no collaboration, 2 = monthly, 3 = weekly, 4 = daily, 5 = daily in the same officeIf you do not work in the idea phase, please skip this question and go to the next.
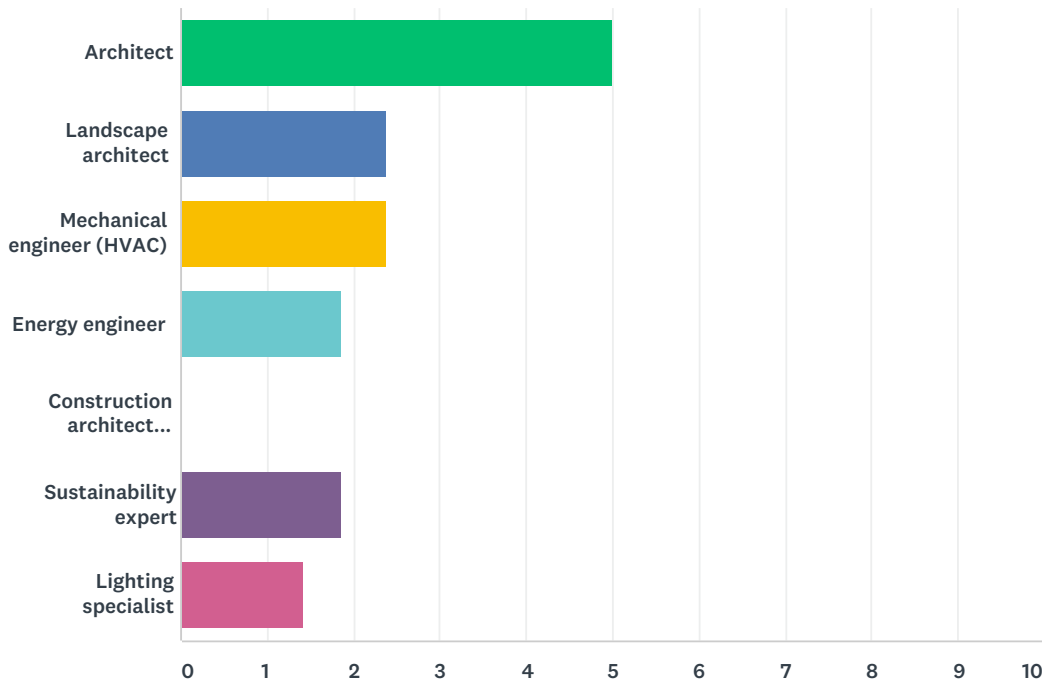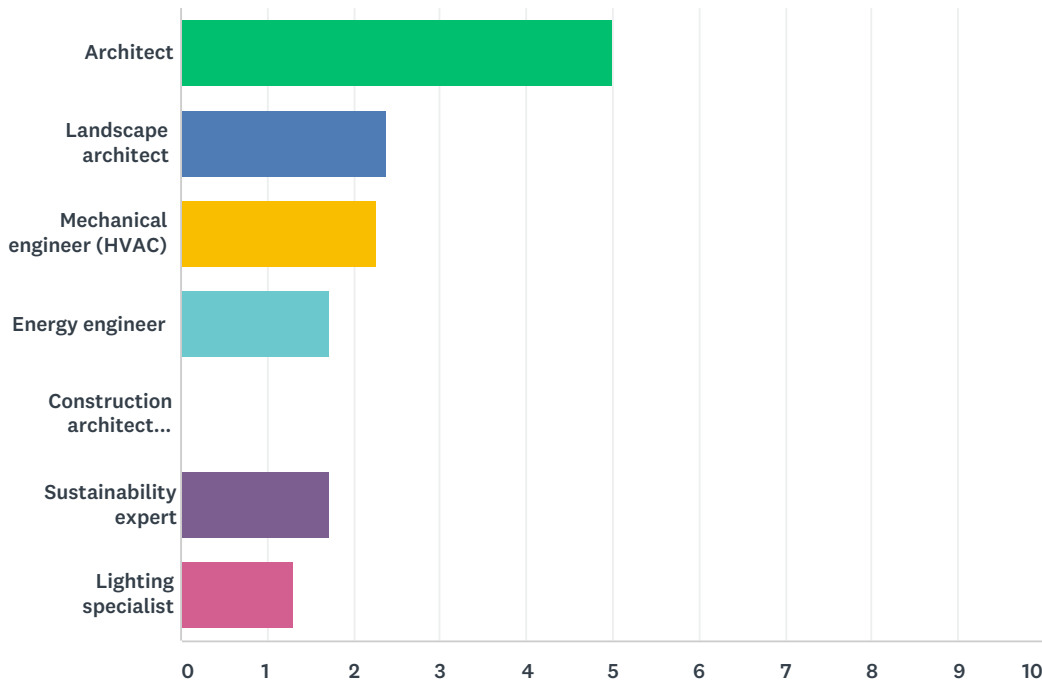
Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	0,00% 0	0,00% 0	0,00% 0	0,00% 0	100,00% 8	8	5,00
Landscape architect	0,00% 0	62,50% 5	37,50% 3	0,00% 0	0,00% 0	8	2,38
Mechanical engineer (HVAC)	12,50% 1	37,50% 3	50,00% 4	0,00% 0	0,00% 0	8	2,38
Energy engineer	28,57% 2	57,14% 4	14,29% 1	0,00% 0	0,00% 0	7	1,86
Construction architect (Konstruktør)	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0	0,00
Sustainability expert	28,57% 2	57,14% 4	14,29% 1	0,00% 0	0,00% 0	7	1,86
Lighting specialist	57,14% 4	42,86% 3	0,00% 0	0,00% 0	0,00% 0	7	1,43

Q3 Who do you mainly collaborate with in the Schematic design phase and how much?1 = no collaboration, 2 = monthly, 3 = weekly, 4 = daily, 5 = daily in the same officeIf you do not work in the schematic design phase, please skip this question and go to the next.
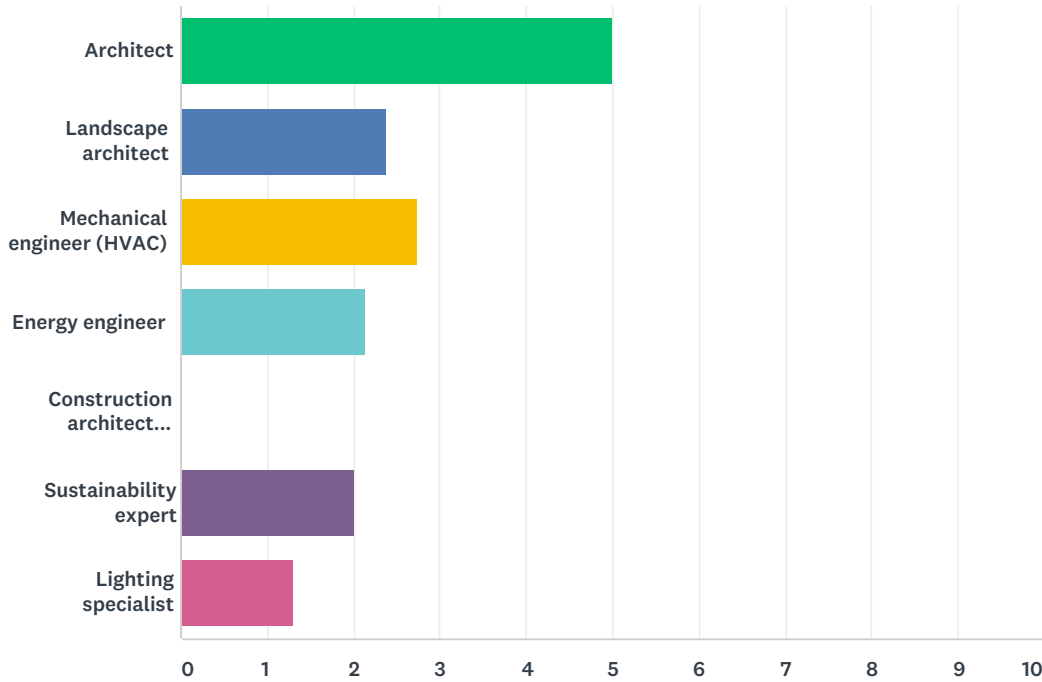
Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	0,00% 0	0,00% 0	0,00% 0	0,00% 0	100,00% 8	8	5,00
Landscape architect	0,00% 0	62,50% 5	37,50% 3	0,00% 0	0,00% 0	8	2,38
Mechanical engineer (HVAC)	25,00% 2	25,00% 2	50,00% 4	0,00% 0	0,00% 0	8	2,25
Energy engineer	42,86% 3	42,86% 3	14,29% 1	0,00% 0	0,00% 0	7	1,71
Construction architect (Konstruktør)	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0	0,00
Sustainability expert	42,86% 3	42,86% 3	14,29% 1	0,00% 0	0,00% 0	7	1,71
Lighting specialist	71,43% 5	28,57% 2	0,00% 0	0,00% 0	0,00% 0	7	1,29

Q4 Who do you mainly collaborate with in the Outline proposal phase and how much?1 = no collaboration, 2 = monthly, 3 = weekly, 4 = daily, 5 = daily in the same officeIf you do not work in the outline proposal phase, please skip this question and go to the next.

Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	0,00% 0	0,00% 0	0,00% 0	0,00% 0	100,00% 8	8	5,00
Landscape architect	0,00% 0	62,50% 5	37,50% 3	0,00% 0	0,00% 0	8	2,38
Mechanical engineer (HVAC)	0,00% 0	25,00% 2	75,00% 6	0,00% 0	0,00% 0	8	2,75
Energy engineer	28,57% 2	28,57% 2	42,86% 3	0,00% 0	0,00% 0	7	2,14
Construction architect (Konstruktør)	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0	0,00
Sustainability expert	42,86% 3	14,29% 1	42,86% 3	0,00% 0	0,00% 0	7	2,00
Lighting specialist	71,43% 5	28,57% 2	0,00% 0	0,00% 0	0,00% 0	7	1,29

Q5 Who do you mainly collaborate with in the Project proposal phase and how much?1 = no collaboration, 2 = monthly, 3 = weekly, 4 = daily, 5 = daily in the same officeIf you do not work in the project proposal phase, please skip this question and go to the next.

Besvaret: 8   Sprunget over: 3
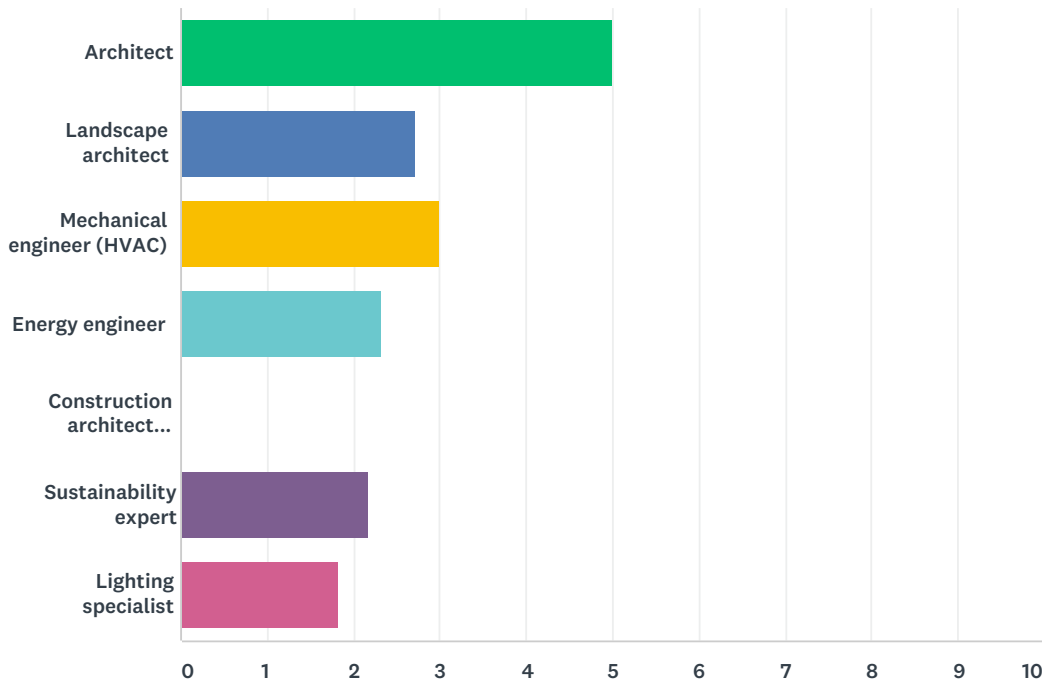
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	0,00% 0	0,00% 0	0,00% 0	0,00% 0	100,00% 7	7	5,00
Landscape architect	0,00% 0	57,14% 4	28,57% 2	0,00% 0	14,29% 1	7	2,71
Mechanical engineer (HVAC)	0,00% 0	14,29% 1	71,43% 5	14,29% 1	0,00% 0	7	3,00
Energy engineer	16,67% 1	33,33% 2	50,00% 3	0,00% 0	0,00% 0	6	2,33
Construction architect (Konstruktør)	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0	0,00
Sustainability expert	33,33% 2	16,67% 1	50,00% 3	0,00% 0	0,00% 0	6	2,17
Lighting specialist	50,00% 3	16,67% 1	33,33% 2	0,00% 0	0,00% 0	6	1,83

Q6 Who do you mainly collaborate with in the Preliminary project phase and how much?1 = no collaboration, 2 = monthly, 3 = weekly, 4 = daily, 5 = daily in the same officeIf you do not work in the preliminary project phase, please skip this question and go to the next.
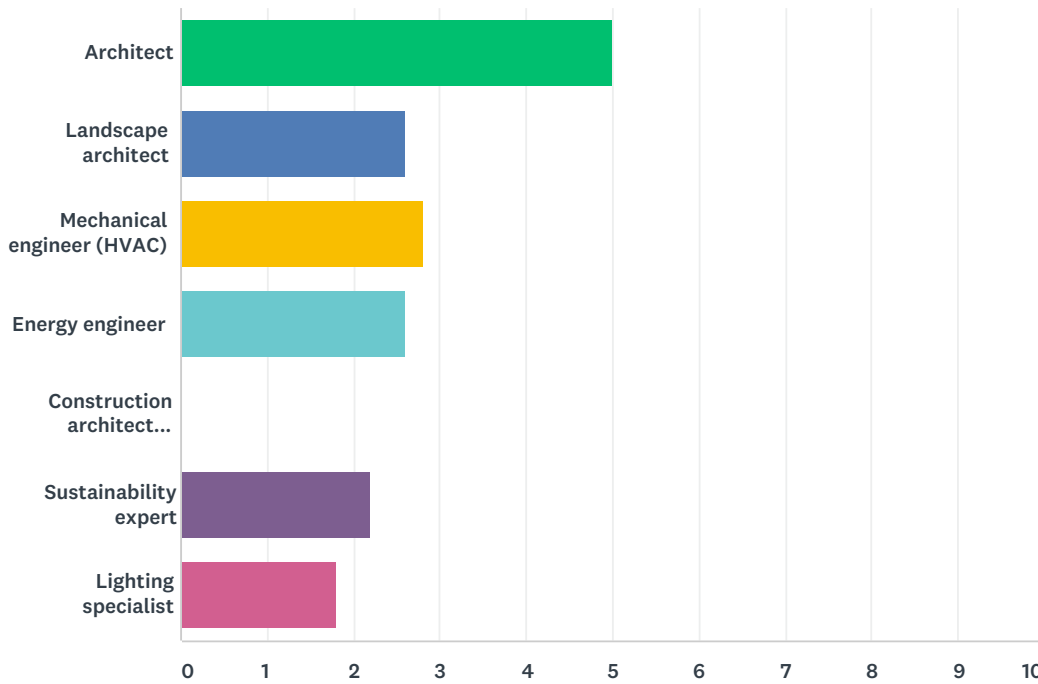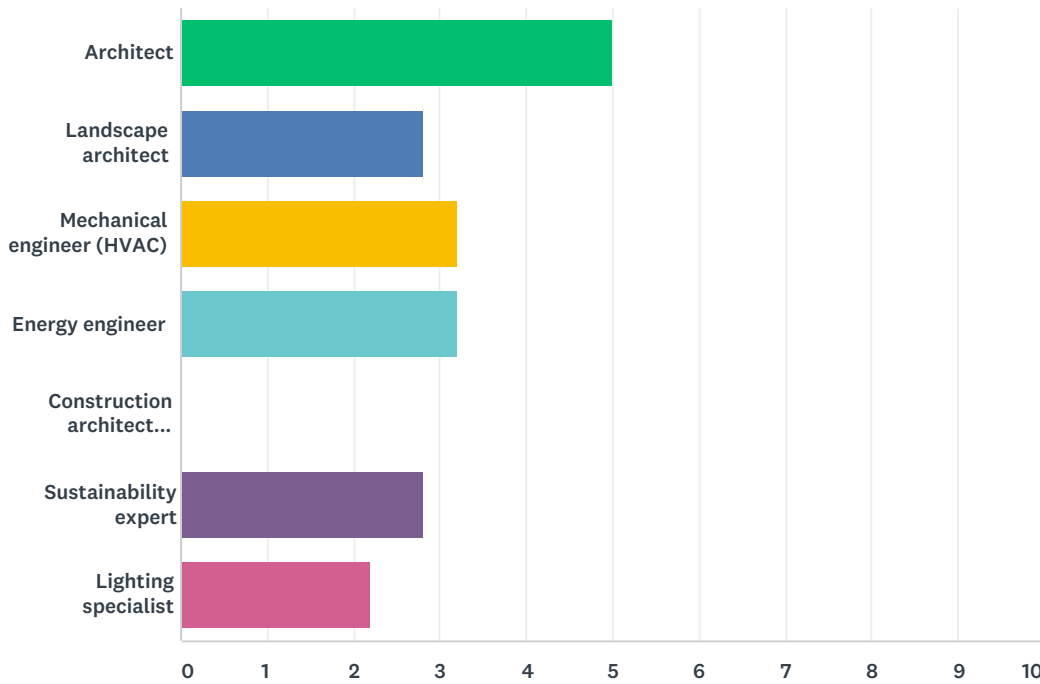
Besvaret: 6   Sprunget over: 5

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	0,00% 0	0,00% 0	0,00% 0	0,00% 0	100,00% 6	6	5,00
Landscape architect	0,00% 0	40,00% 2	60,00% 3	0,00% 0	0,00% 0	5	2,60
Mechanical engineer (HVAC)	0,00% 0	20,00% 1	80,00% 4	0,00% 0	0,00% 0	5	2,80
Energy engineer	0,00% 0	40,00% 2	60,00% 3	0,00% 0	0,00% 0	5	2,60
Construction architect (Konstruktør)	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0	0,00
Sustainability expert	20,00% 1	40,00% 2	40,00% 2	0,00% 0	0,00% 0	5	2,20
Lighting specialist	40,00% 2	40,00% 2	20,00% 1	0,00% 0	0,00% 0	5	1,80

Q7 Who do you mainly collaborate with in the Main project phase and how much?1 = no collaboration, 2 = monthly, 3 = weekly, 4 = daily, 5 = daily in the same officeIf you do not work in the main project phase, please skip this question and go to the next.

Besvaret: 6   Sprunget over: 5

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	0,00% 0	0,00% 0	0,00% 0	0,00% 0	100,00% 6	6	5,00
Landscape architect	0,00% 0	20,00% 1	80,00% 4	0,00% 0	0,00% 0	5	2,80
Mechanical engineer (HVAC)	0,00% 0	0,00% 0	80,00% 4	20,00% 1	0,00% 0	5	3,20
Energy engineer	0,00% 0	0,00% 0	80,00% 4	20,00% 1	0,00% 0	5	3,20
Construction architect (Konstruktør)	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0,00% 0	0	0,00
Sustainability expert	20,00% 1	0,00% 0	60,00% 3	20,00% 1	0,00% 0	5	2,80
Lighting specialist	40,00% 2	0,00% 0	60,00% 3	0,00% 0	0,00% 0	5	2,20

Q8 To which degree does your studio work multidisciplinary in the early design phases?By early design phases, we mean Idea and Schematic design.
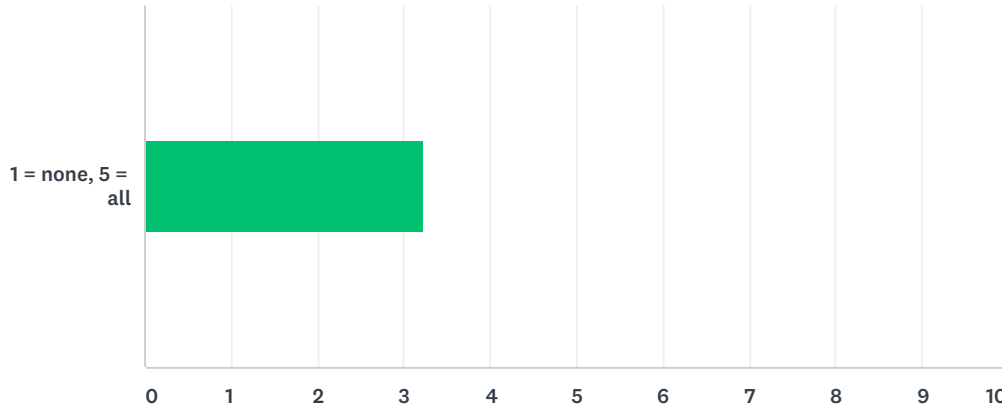
Besvaret: 9   Sprunget over: 2
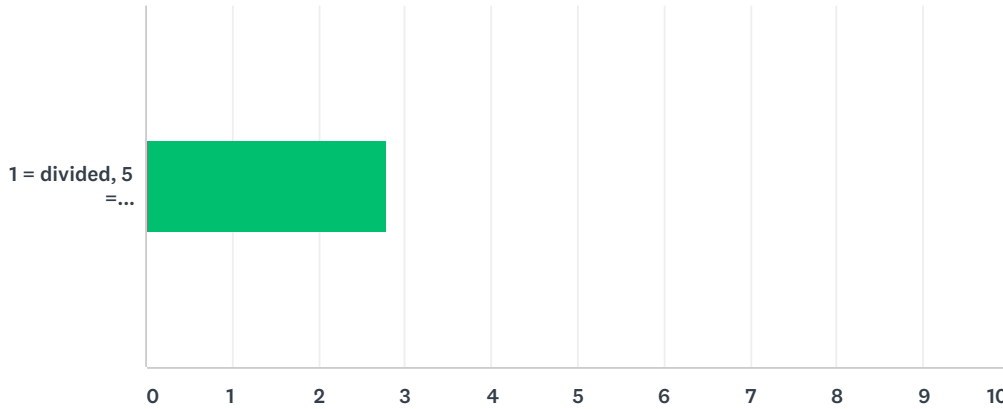
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = divided, 5 = multidisciplinary	11,11% 1	33,33% 3	22,22% 2	33,33% 3	0,00% 0	9	2,78

Q9 How many of your design decisions are influenced by daylight, microclimate comfort and energy performance in the early design phases?

Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = none, 5 = all	0,00% 0	11,11% 1	55,56% 5	33,33% 3	0,00% 0	9	3,22

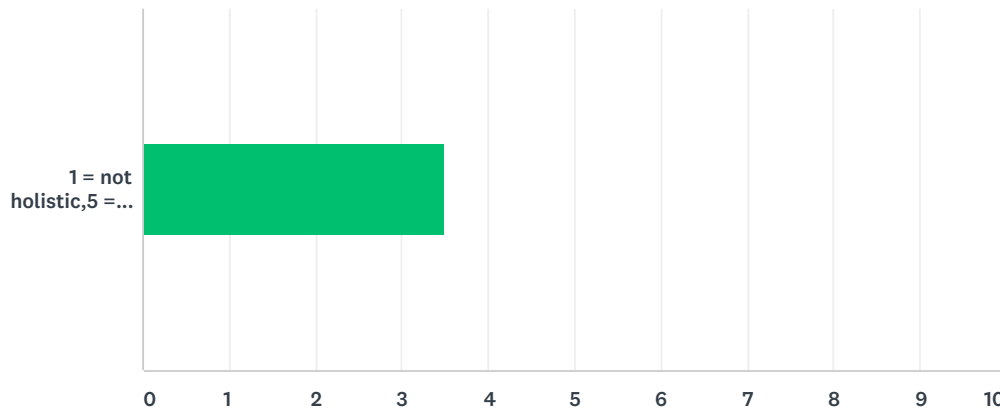## Q10 How many of your design decisions are influenced by LCC and LCA in the early design phases?

Besvaret: 9   Sprunget over: 2
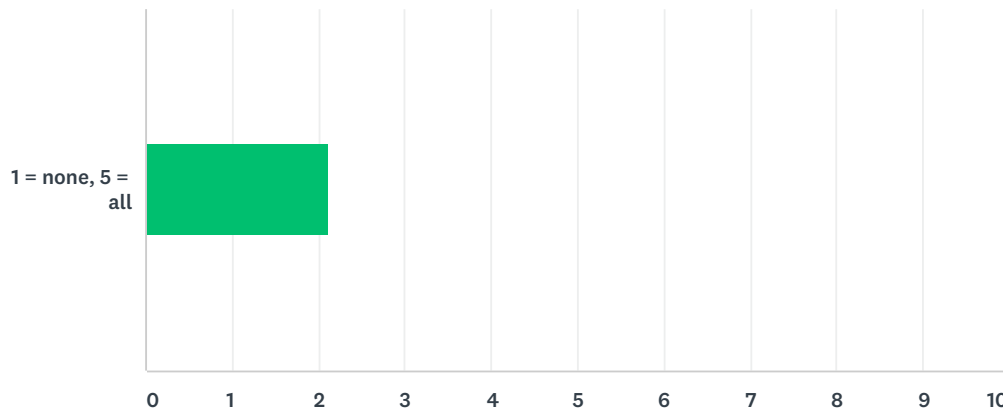
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = none, 5 = all	33,33% 3	22,22% 2	44,44% 4	0,00% 0	0,00% 0	9	2,11

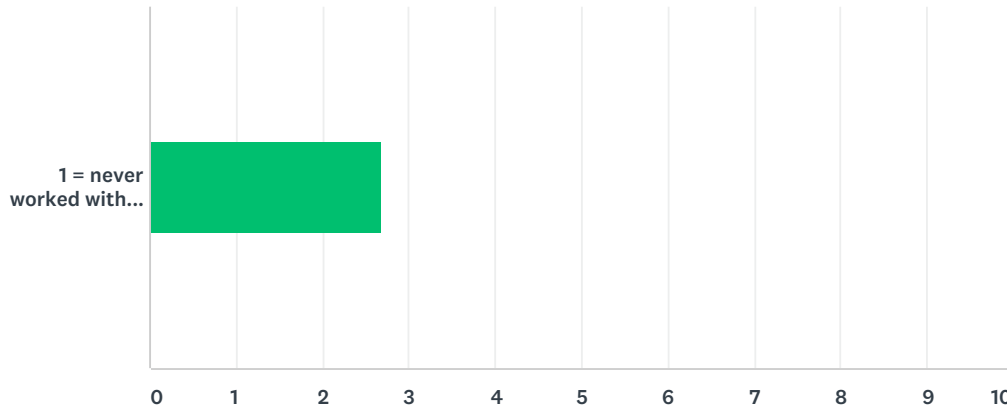## Q11 How holistic/multidisciplinary is your design approach?

Besvaret: 8   Sprunget over: 3

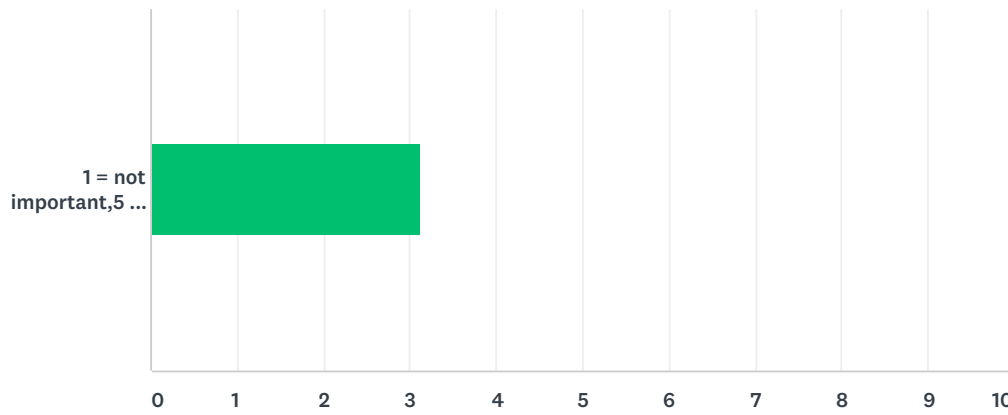|	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not holistic,5 = very holistic	0,00% 0	12,50% 1	37,50% 3	37,50% 3	12,50% 1	8	3,50

Q12 How experienced are you with microclimate comfort?

Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = never worked with it,5 = expert	11,11% 1	22,22% 2	55,56% 5	11,11% 1	0,00% 0	9	2,67

Q13 How important is microclimate comfort in regards to the quality of the design?

Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not important,5 = very important	11,11% 1	0,00% 0	55,56% 5	33,33% 3	0,00% 0	9	3,11

Q14 How much does microclimate comfort influence your design decisions in the different phases?1 = none, 5 = design driverIf you do not work in a given phase, please leave the specific row unmarked.

Besvaret: 9   Sprunget over: 2
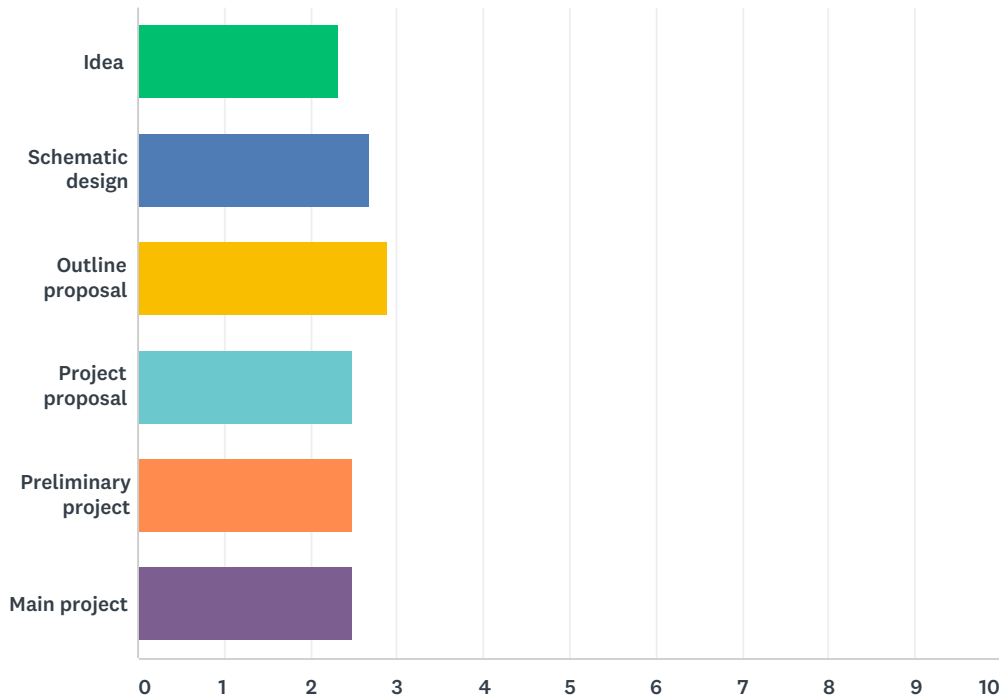
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Idea	22,22% 2	44,44% 4	22,22% 2	0,00% 0	11,11% 1	9	2,33
Schematic design	11,11% 1	33,33% 3	33,33% 3	22,22% 2	0,00% 0	9	2,67
Outline proposal	22,22% 2	11,11% 1	22,22% 2	44,44% 4	0,00% 0	9	2,89
Project proposal	12,50% 1	37,50% 3	37,50% 3	12,50% 1	0,00% 0	8	2,50
Preliminary project	33,33% 2	0,00% 0	50,00% 3	16,67% 1	0,00% 0	6	2,50
Main project	33,33% 2	16,67% 1	16,67% 1	33,33% 2	0,00% 0	6	2,50

Q15 How do you mainly work with microclimate comfort in the early design phases?You may tick off more than one.
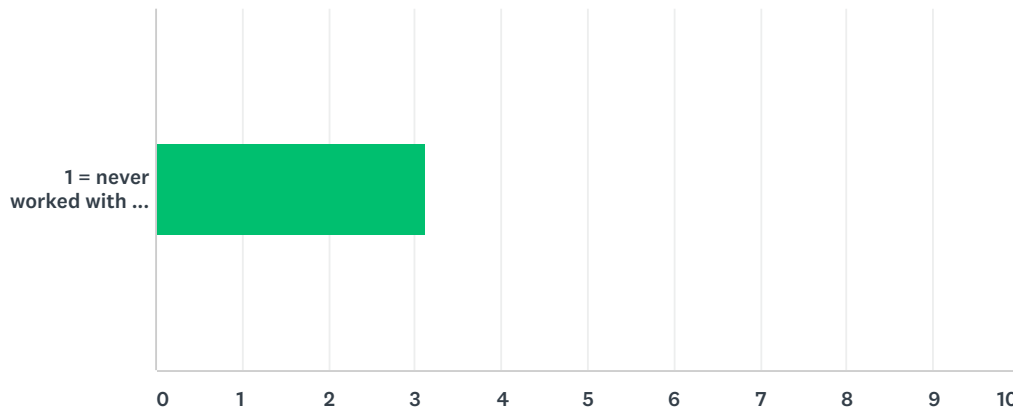
Besvaret: 9   Sprunget over: 2
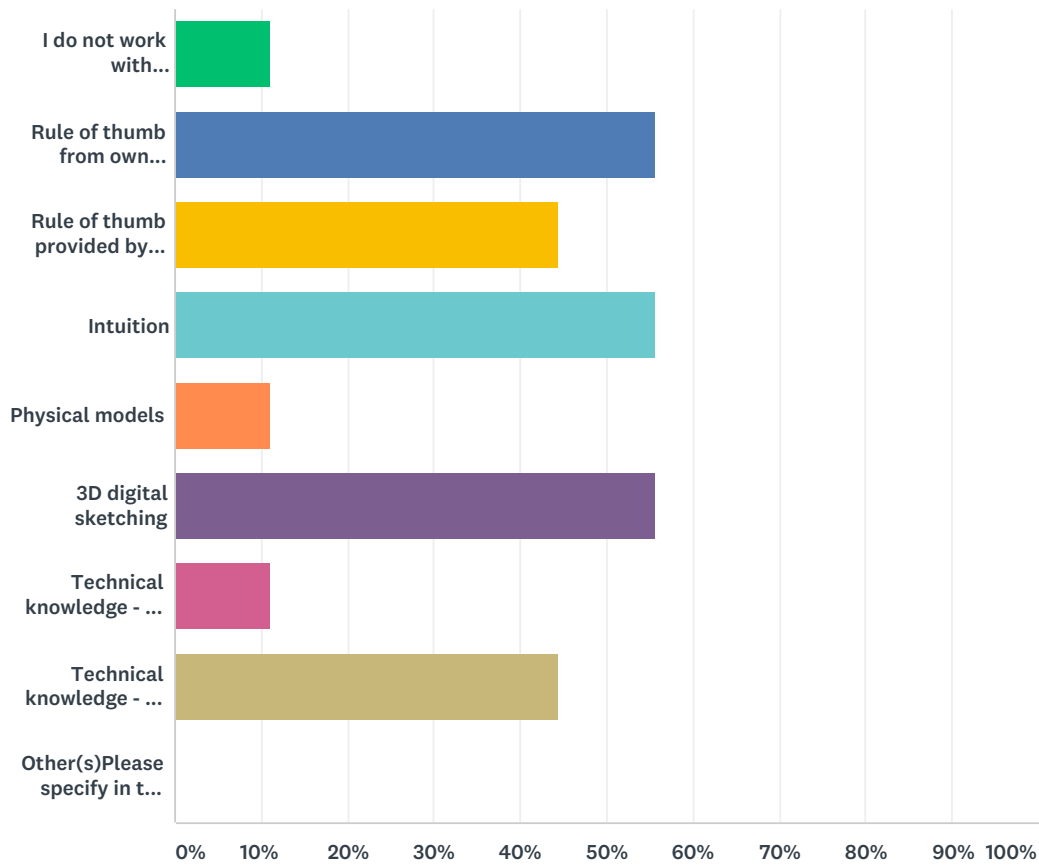
SVARVALG	BESVARELSER	
I do not work with microclimate comfort	11,11%	1
Rule of thumb from own experience	55,56%	5
Rule of thumb provided by others	44,44%	4
Intuition	55,56%	5
Physical models	11,11%	1
3D digital sketching	55,56%	5
Technical knowledge - I run the analysis myselfPlease specify which analysis tools in the commentary box below	11,11%	1
Technical knowledge - I get input from othersPlease specify from who in the commentary box below	44,44%	4
Other(s)Please specify in the commentary box below	0,00%	0
Respondenter i alt: 9		

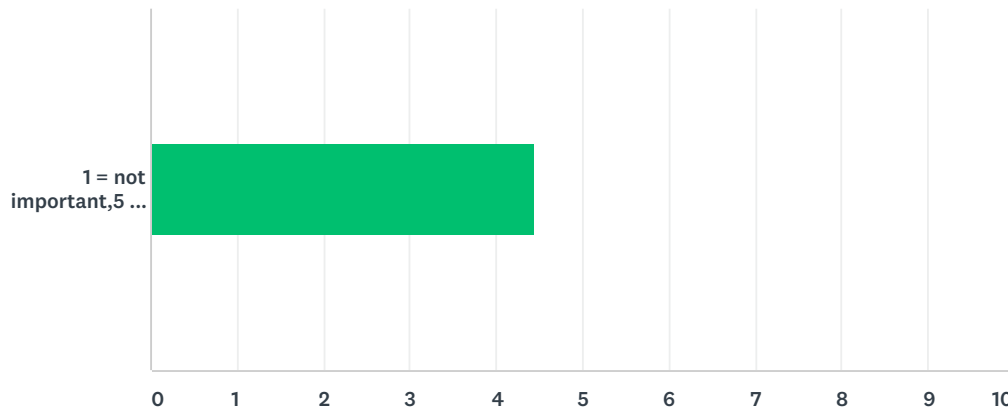# Q16 How experienced are you with daylight?

Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = never worked with it5 = expert	0,00% 0	11,11% 1	66,67% 6	22,22% 2	0,00% 0	9	3,11

Q17 How important is daylight in regards to the quality of the design?

Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not important,5 = very important	0,00% 0	0,00% 0	0,00% 0	55,56% 5	44,44% 4	9	4,44

Q18 How much does daylight influence your design decisions in the different phases?1 = none, 5 = design driverIf you do not work in a given phase, please leave the specific row unmarked.

Besvaret: 9   Sprunget over: 2
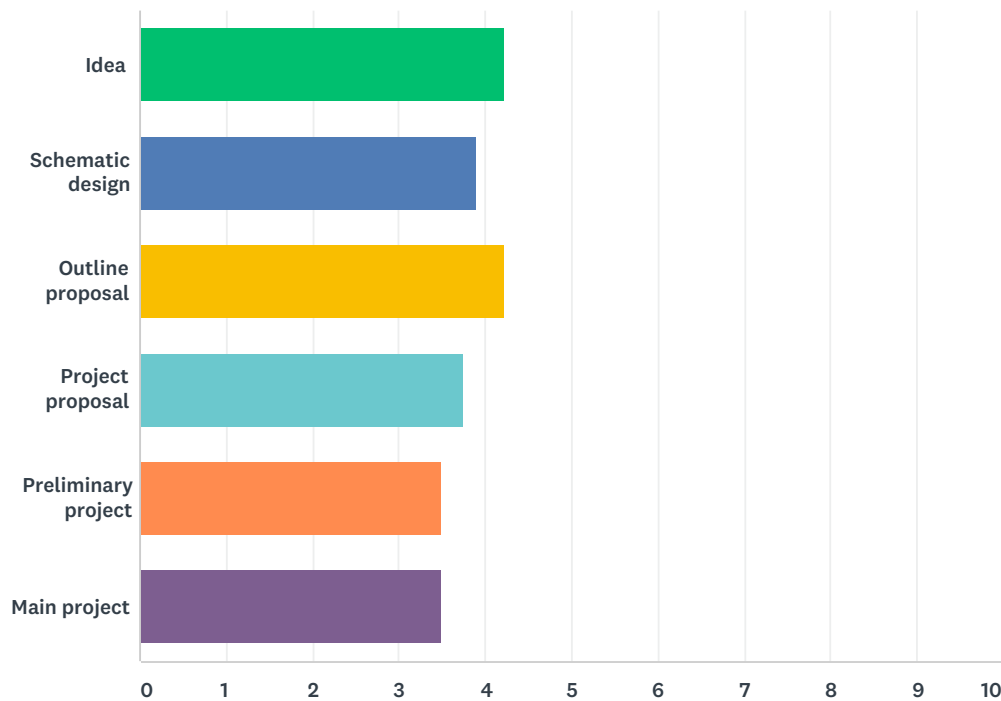
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Idea	0,00% 0	0,00% 0	11,11% 1	55,56% 5	33,33% 3	9	4,22
Schematic design	0,00% 0	11,11% 1	11,11% 1	55,56% 5	22,22% 2	9	3,89
Outline proposal	0,00% 0	0,00% 0	11,11% 1	55,56% 5	33,33% 3	9	4,22
Project proposal	0,00% 0	0,00% 0	37,50% 3	50,00% 4	12,50% 1	8	3,75
Preliminary project	16,67% 1	0,00% 0	16,67% 1	50,00% 3	16,67% 1	6	3,50
Main project	16,67% 1	0,00% 0	16,67% 1	50,00% 3	16,67% 1	6	3,50

# Q19 How do you mainly work with daylight in the early design phases? You may tick off more than one.

Besvaret: 9   Sprunget over: 2
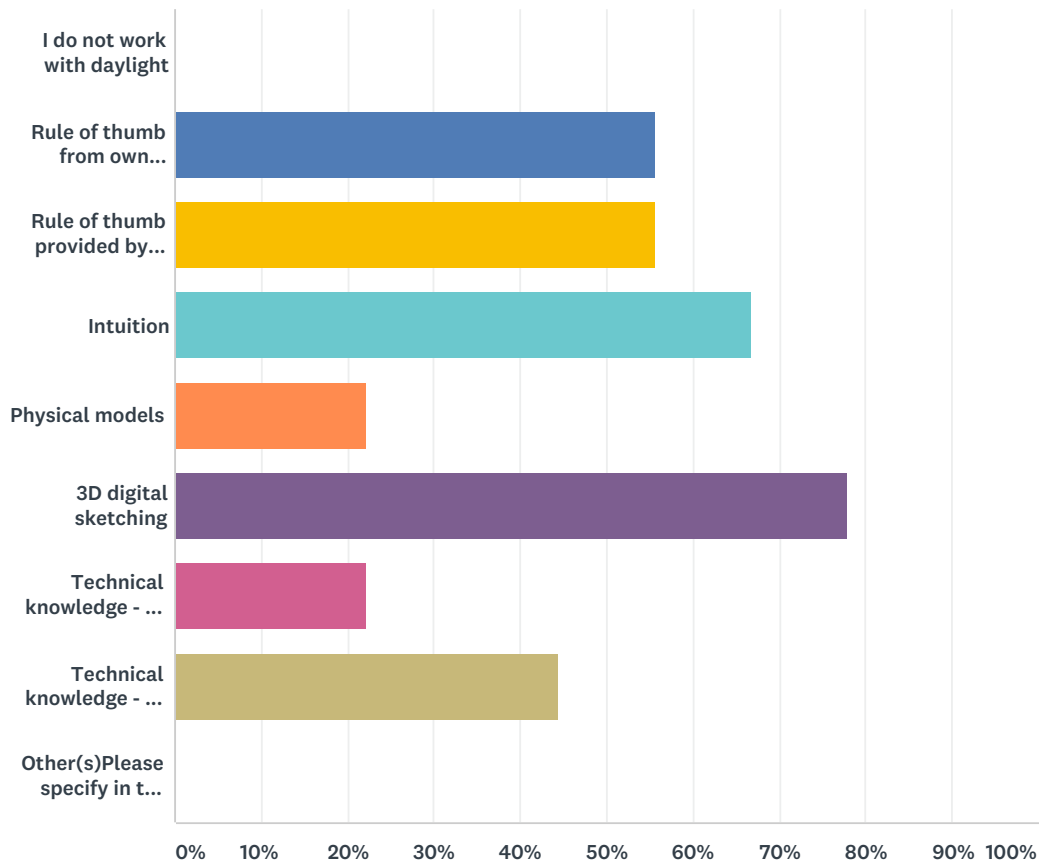
SVARVALG	BESVARELSER	
I do not work with daylight	0,00%	0
Rule of thumb from own experience	55,56%	5
Rule of thumb provided by others	55,56%	5
Intuition	66,67%	6
Physical models	22,22%	2
3D digital sketching	77,78%	7
Technical knowledge - I run the analysis myselfPlease specify which analysis tools in the commentary box below	22,22%	2
Technical knowledge - I get input from othersPlease specify from who in the commentary box below	44,44%	4
Other(s)Please specify in the commentary box below	0,00%	0
Respondenter i alt: 9		

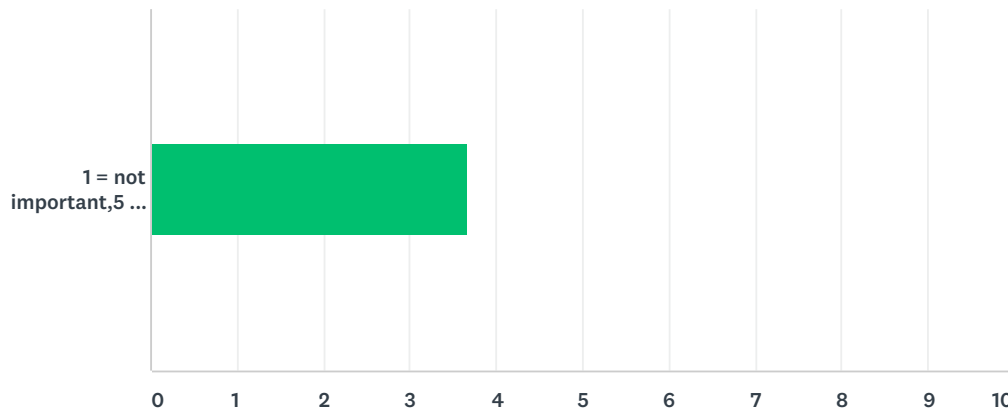## Q20 How experienced are you with energy performance?

Besvaret: 9   Sprunget over: 2
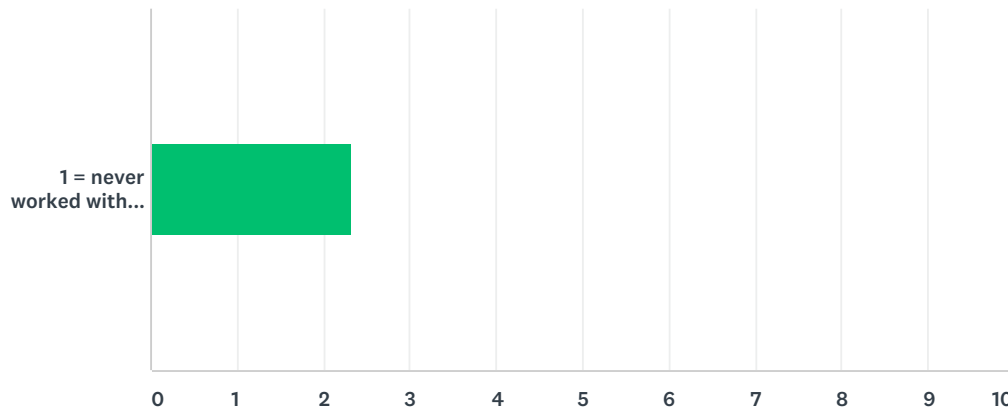
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = never worked with it,5 = expert	11,11% 1	55,56% 5	22,22% 2	11,11% 1	0,00% 0	9	2,33

Q21 How important is energy performance in regards to the quality of the design?
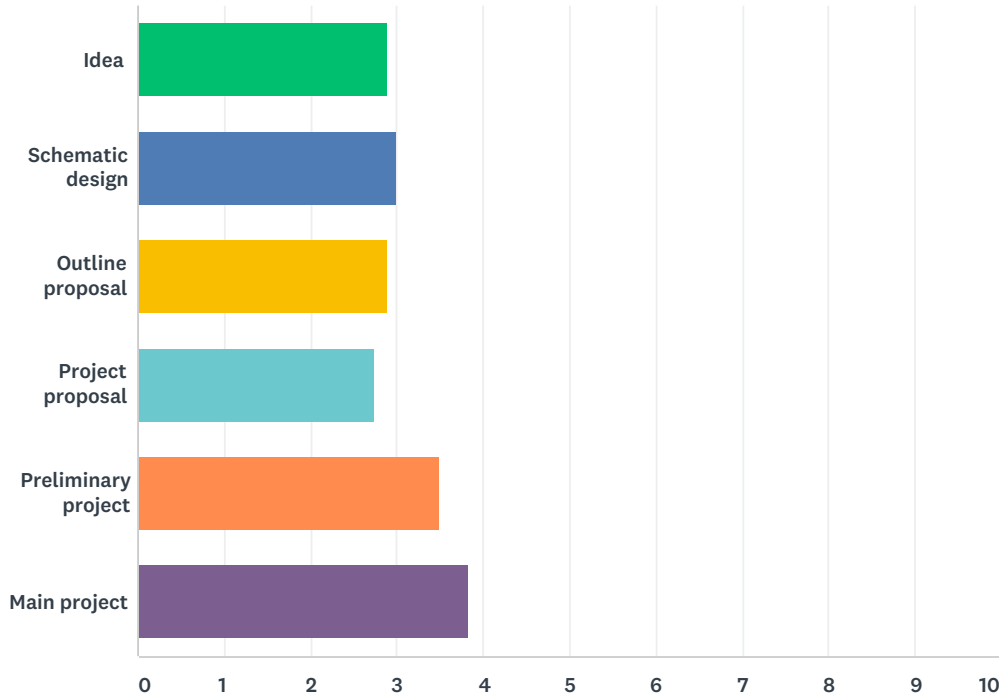
Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not important,5 = very important	0,00% 0	11,11% 1	33,33% 3	33,33% 3	22,22% 2	9	3,67

Q22 How much does energy performance influence your design decisions in the different phases?1 = none, 5 = design driverIf you do not work in a given phase, please leave the specific row unmarked.

Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Idea	0,00% 0	44,44% 4	22,22% 2	33,33% 3	0,00% 0	9	2,89
Schematic design	11,11% 1	33,33% 3	11,11% 1	33,33% 3	11,11% 1	9	3,00
Outline proposal	11,11% 1	22,22% 2	33,33% 3	33,33% 3	0,00% 0	9	2,89
Project proposal	12,50% 1	25,00% 2	37,50% 3	25,00% 2	0,00% 0	8	2,75
Preliminary project	0,00% 0	33,33% 2	0,00% 0	50,00% 3	16,67% 1	6	3,50
Main project	0,00% 0	16,67% 1	0,00% 0	66,67% 4	16,67% 1	6	3,83

Q23 How do you mainly work with energy performance in the early design phases?You may tick off more than one.
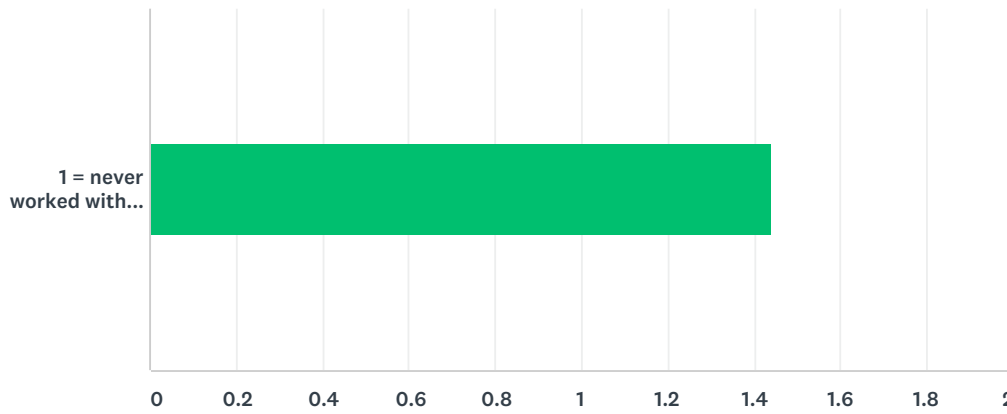
Besvaret: 9   Sprunget over: 2
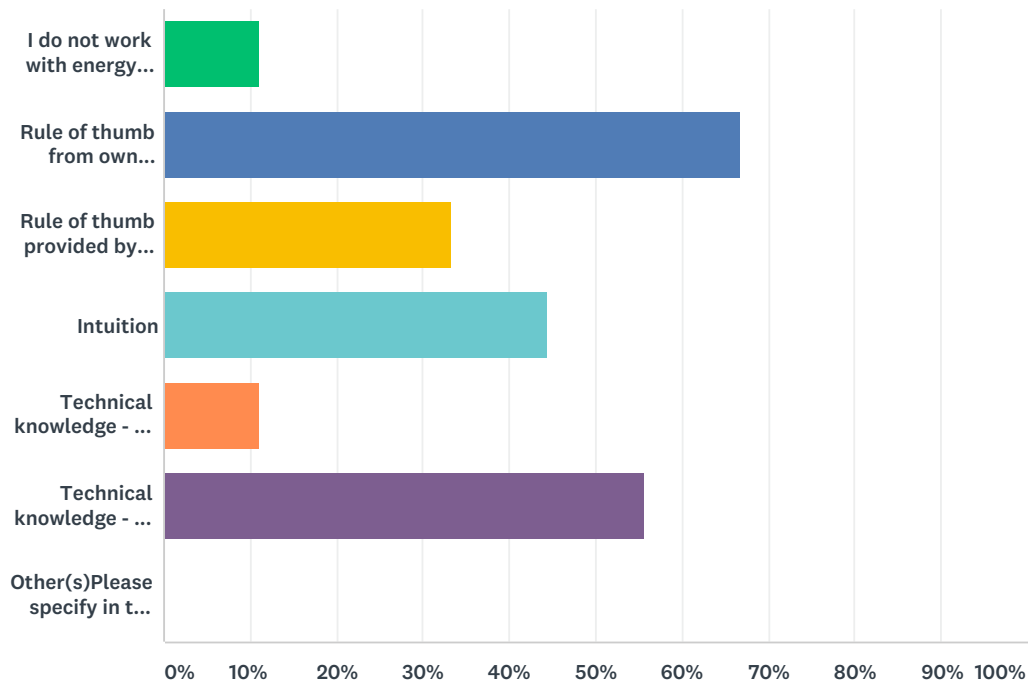
SVARVALG	BESVARELSER	
I do not work with energy performance	11,11%	1
Rule of thumb from own experience	66,67%	6
Rule of thumb provided by others	33,33%	3
Intuition	44,44%	4
Technical knowledge - I run the analysis myselfPlease specify which analysis tools in the commentary box below	11,11%	1
Technical knowledge - I get input from othersPlease specify from who in the commentary box below	55,56%	5
Other(s)Please specify in the commentary box below	0,00%	0
Respondenter i alt: 9		

Q24 How experienced are you with LCC?
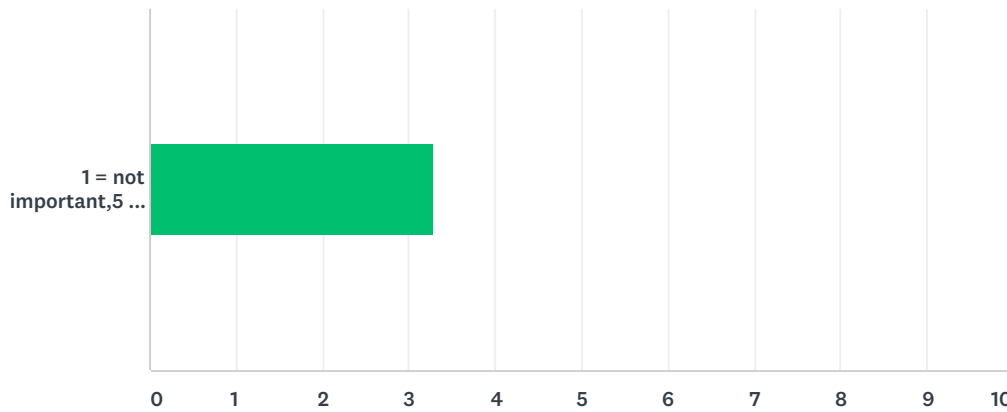
Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = never worked with it,5 = expert	66,67% 6	22,22% 2	11,11% 1	0,00% 0	0,00% 0	9	1,44

Q25 How important is LCC in regards to the quality of the design?

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not important,5 = very important	14,29% 1	14,29% 1	14,29% 1	42,86% 3	14,29% 1	7	3,29

Q26 How much does LCC influence your design decisions in the different phases?1 = none, 5 = design driverIf you do not work in a given phase, please leave the specific row unmarked.

Besvaret: 8   Sprunget over: 3
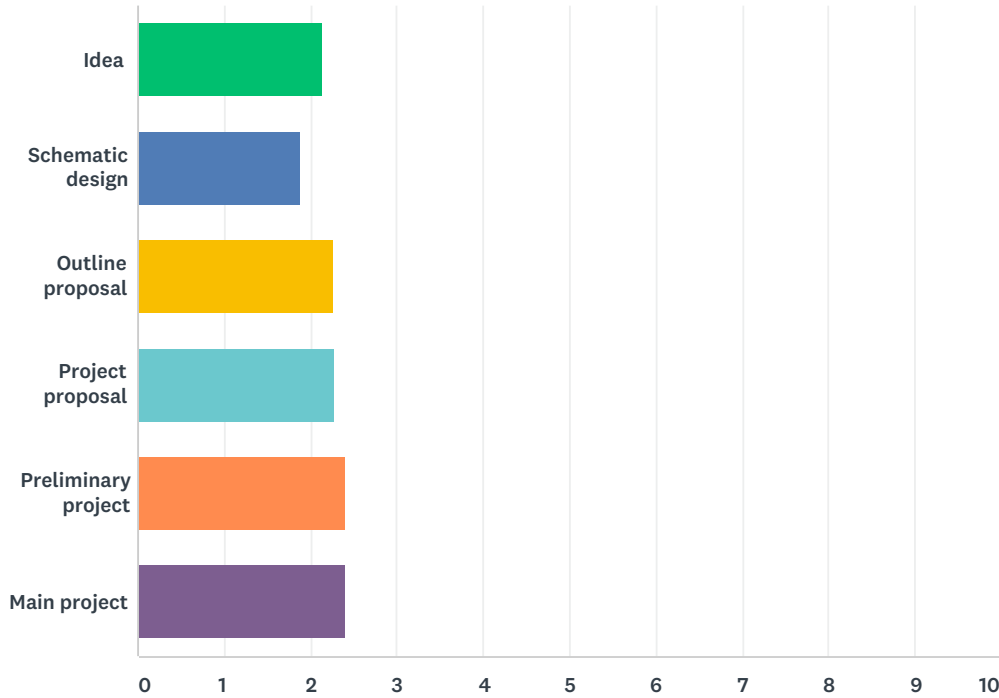
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Idea	37,50% 3	25,00% 2	25,00% 2	12,50% 1	0,00% 0	8	2,13
Schematic design	50,00% 4	12,50% 1	37,50% 3	0,00% 0	0,00% 0	8	1,88
Outline proposal	25,00% 2	37,50% 3	25,00% 2	12,50% 1	0,00% 0	8	2,25
Project proposal	28,57% 2	14,29% 1	57,14% 4	0,00% 0	0,00% 0	7	2,29
Preliminary project	20,00% 1	20,00% 1	60,00% 3	0,00% 0	0,00% 0	5	2,40
Main project	20,00% 1	20,00% 1	60,00% 3	0,00% 0	0,00% 0	5	2,40

Q27 How do you mainly work with LCC in the early design phases?You may tick off more than one.
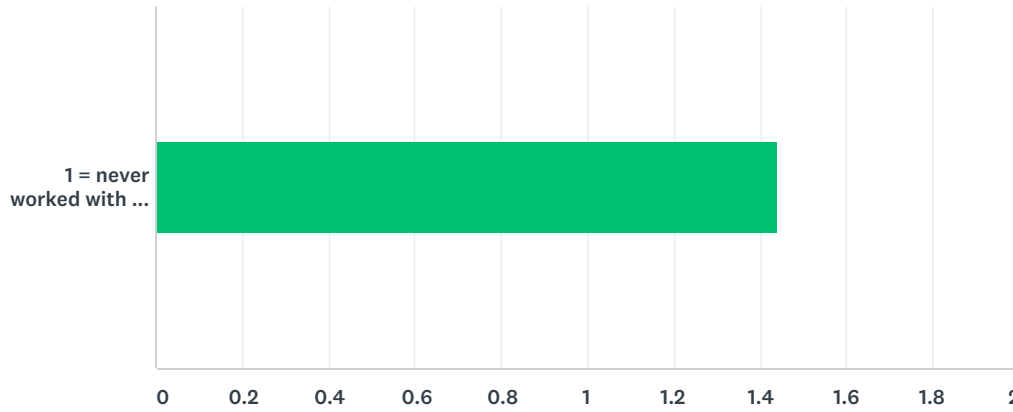
Besvaret: 9   Sprunget over: 2
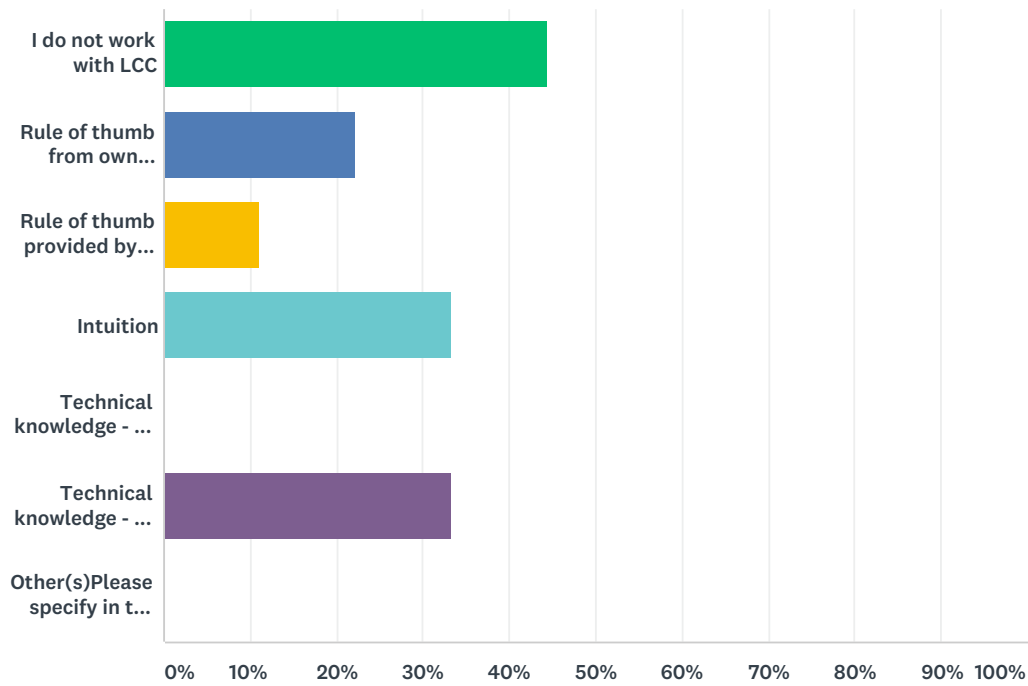
| SVARVALG	BESVARELSER	
I do not work with LCC	44,44%	4
Rule of thumb from own experience	22,22%	2
Rule of thumb provided by others	11,11%	1
Intuition	33,33%	3
Technical knowledge - I run the analysis myselfPlease specify which analysis tools in the commentary box below	0,00%	0
Technical knowledge - I get input from othersPlease specify from who in the commentary box below	33,33%	3
Other(s)Please specify in the commentary box below	0,00%	0
Respondenter i alt: 9		

Q28 How experienced are you with LCA?

Besvaret: 9   Sprunget over: 2

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = never worked with it, 5 = expert	66,67% 6	22,22% 2	11,11% 1	0,00% 0	0,00% 0	9	1,44

Q29 How important is LCA in regards to the quality of the design?

Besvaret: 8   Sprunget over: 3
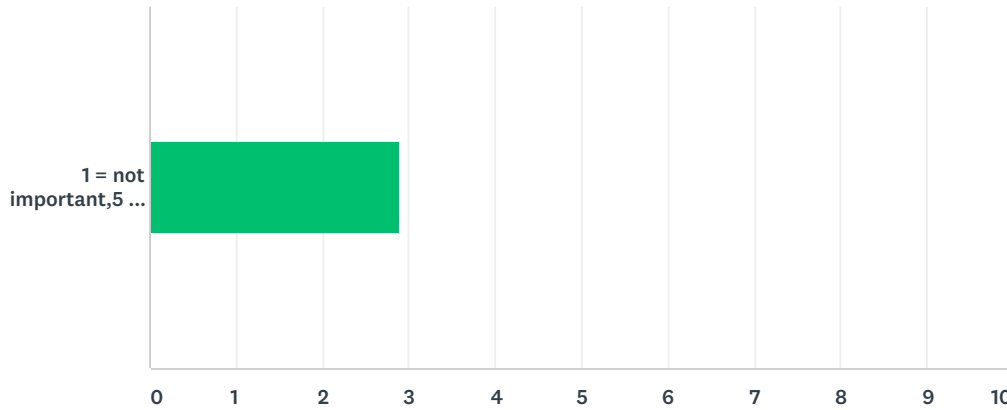
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not important,5 = very important	25,00% 2	0,00% 0	37,50% 3	37,50% 3	0,00% 0	8	2,88

Q30 How much does LCA influence your design decisions in the different phases?1 = none, 5 = design driverIf you do not work in a given phase, please leave the specific row unmarked.

Besvaret: 8   Sprunget over: 3
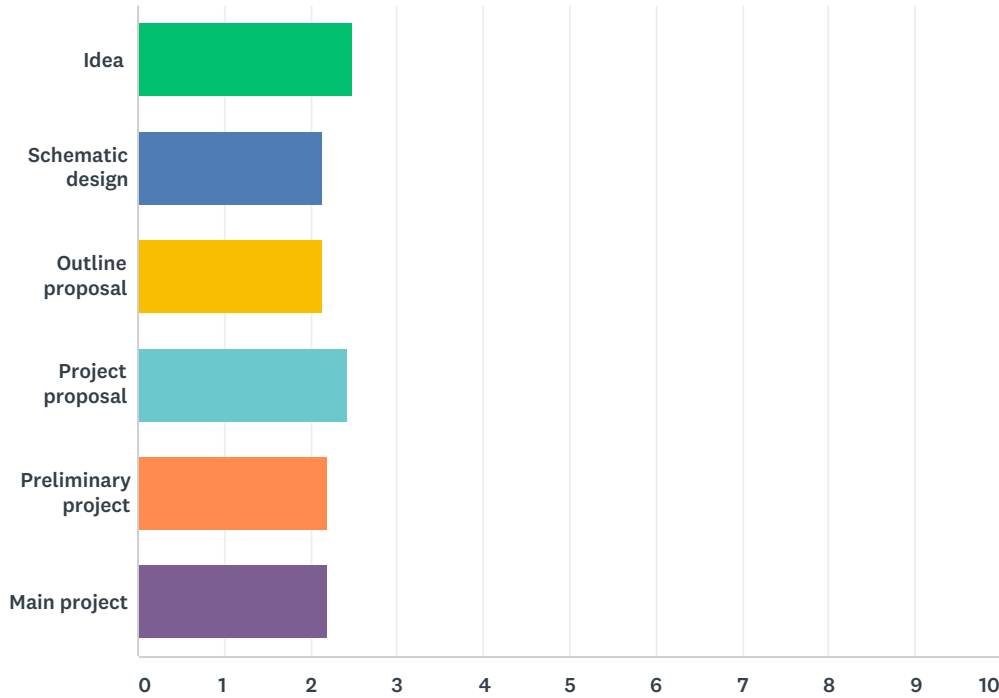
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Idea	25,00% 2	12,50% 1	50,00% 4	12,50% 1	0,00% 0	8	2,50
Schematic design	37,50% 3	25,00% 2	25,00% 2	12,50% 1	0,00% 0	8	2,13
Outline proposal	25,00% 2	37,50% 3	37,50% 3	0,00% 0	0,00% 0	8	2,13
Project proposal	14,29% 1	28,57% 2	57,14% 4	0,00% 0	0,00% 0	7	2,43
Preliminary project	20,00% 1	40,00% 2	40,00% 2	0,00% 0	0,00% 0	5	2,20
Main project	20,00% 1	40,00% 2	40,00% 2	0,00% 0	0,00% 0	5	2,20

Q31 How do you mainly work with LCA in the early design phases?You may tick off more than one.

Besvaret: 9   Sprunget over: 2
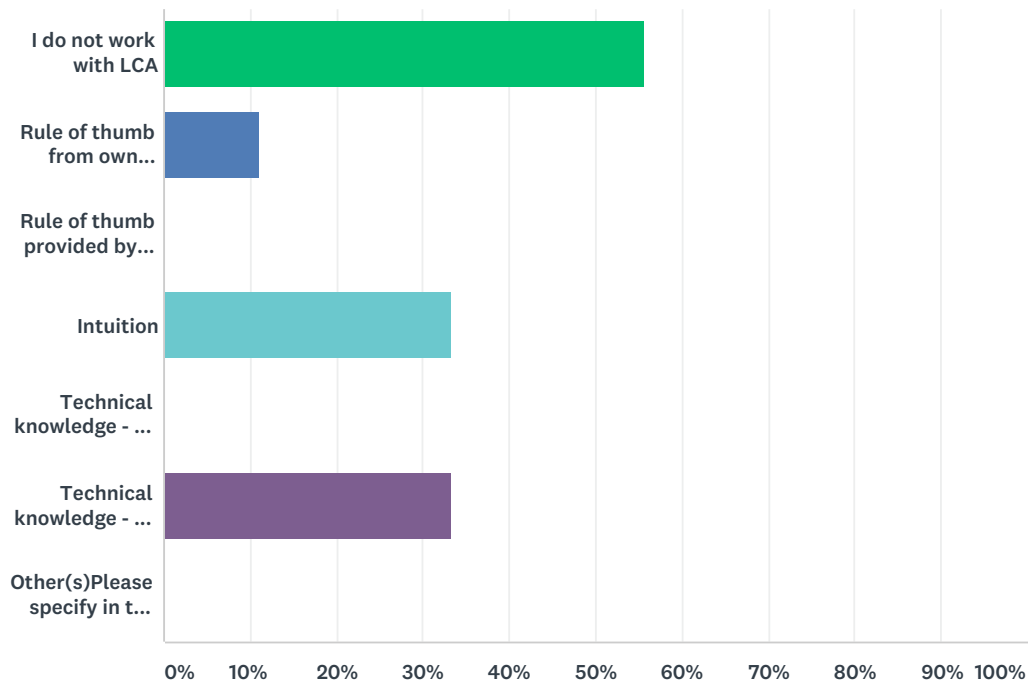
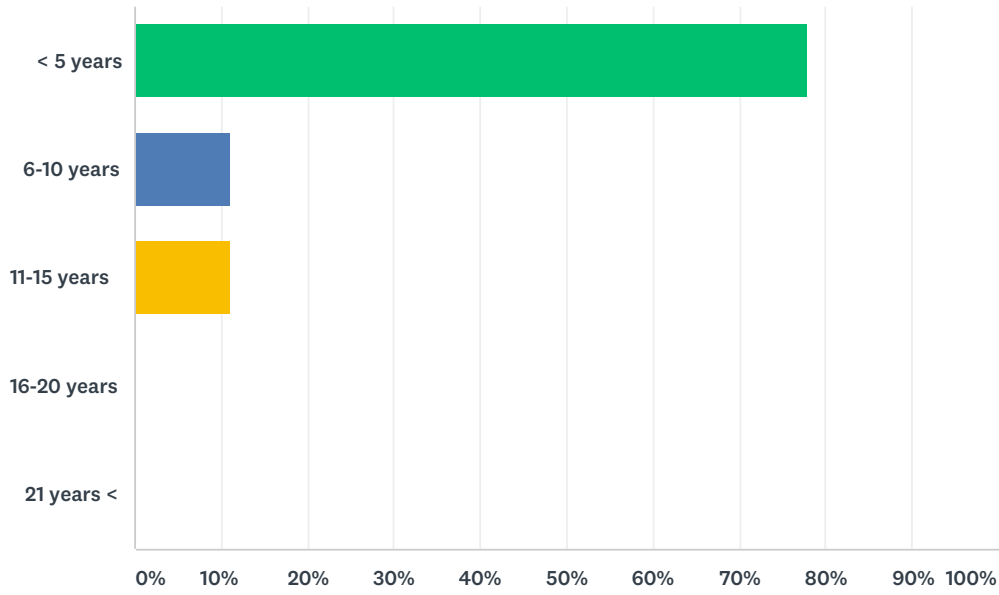| SVARVALG	BESVARELSER	
I do not work with LCA	55,56%	5
Rule of thumb from own experience	11,11%	1
Rule of thumb provided by others	0,00%	0
Intuition	33,33%	3
Technical knowledge - I run the analysis myselfPlease specify which analysis tools in the commentary box below	0,00%	0
Technical knowledge - I get input from othersPlease specify from who in the commentary box below	33,33%	3
Other(s)Please specify in the commentary box below	0,00%	0
Respondenter i alt: 9		

Q32 Company name and office
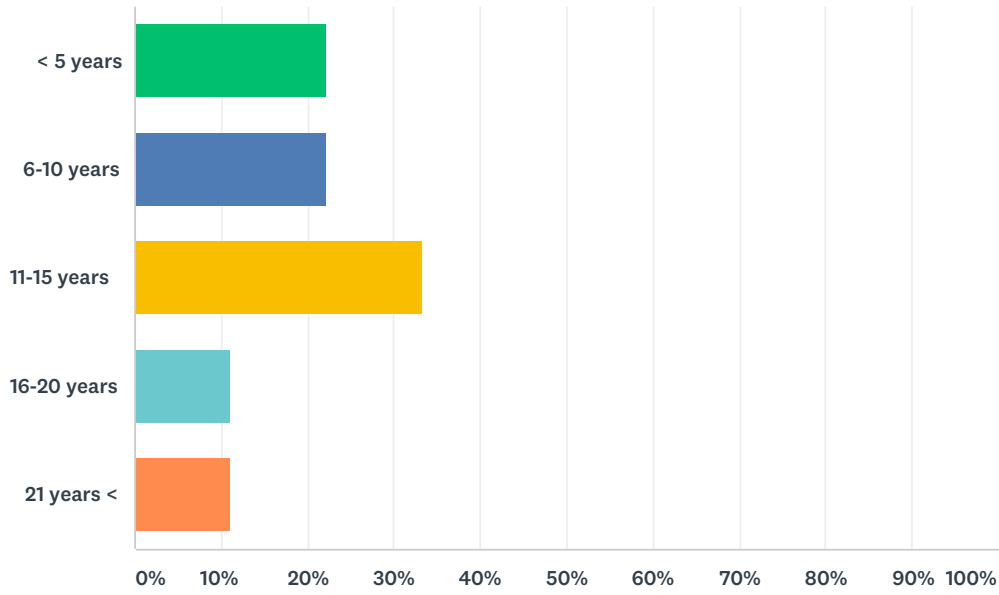
Besvaret: 9   Sprunget over: 2

Q33 Seniority in current company

Besvaret: 9   Sprunget over: 2

SVARVALG	BESVARELSER	
< 5 years	77,78%	7
6-10 years	11,11%	1
11-15 years	11,11%	1
16-20 years	0,00%	0
21 years <	0,00%	0
I ALT		9

Q34 Total seniority

Besvaret: 9   Sprunget over: 2

SVARVALG	BESVARELSER	
< 5 years	22,22%	2
6-10 years	22,22%	2
11-15 years	33,33%	3
16-20 years	11,11%	1
21 years <	11,11%	1
I ALT		9

Q35 Job

Besvaret: 9   Sprunget over: 2
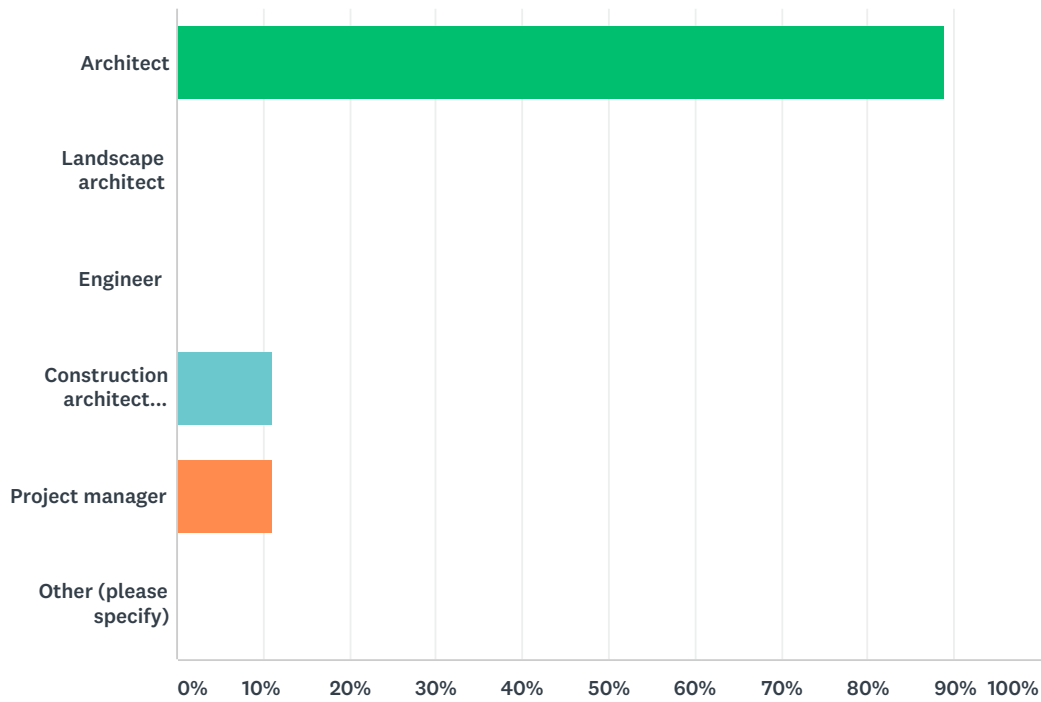
SVARVALG	BESVARELSER	
Architect	88,89%	8
Landscape architect	0,00%	0
Engineer	0,00%	0
Construction architect (Konstruktør)	11,11%	1
Project manager	11,11%	1
Other (please specify)	0,00%	0
Respondenter i alt: 9		

Q36 Gender

Besvaret: 9   Sprunget over: 2
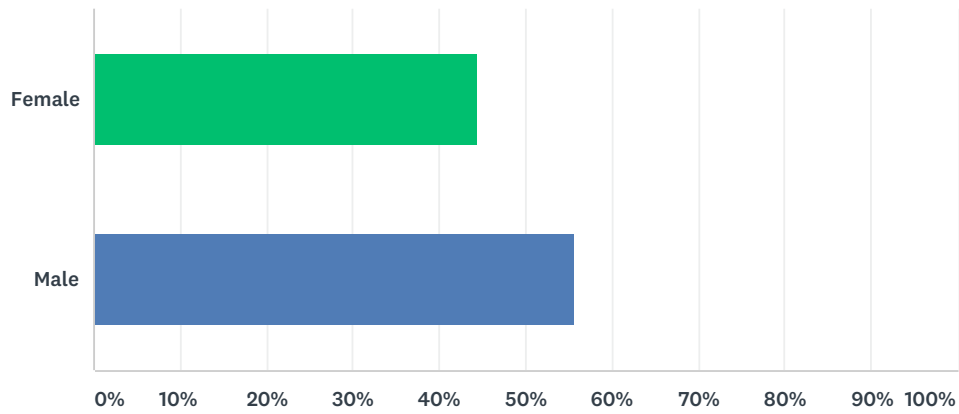
SVARVALG	BESVARELSER	
Female	44,44%	4
Male	55,56%	5
I ALT		9

Q37 Comments

Besvaret: 1   Sprunget over: 10