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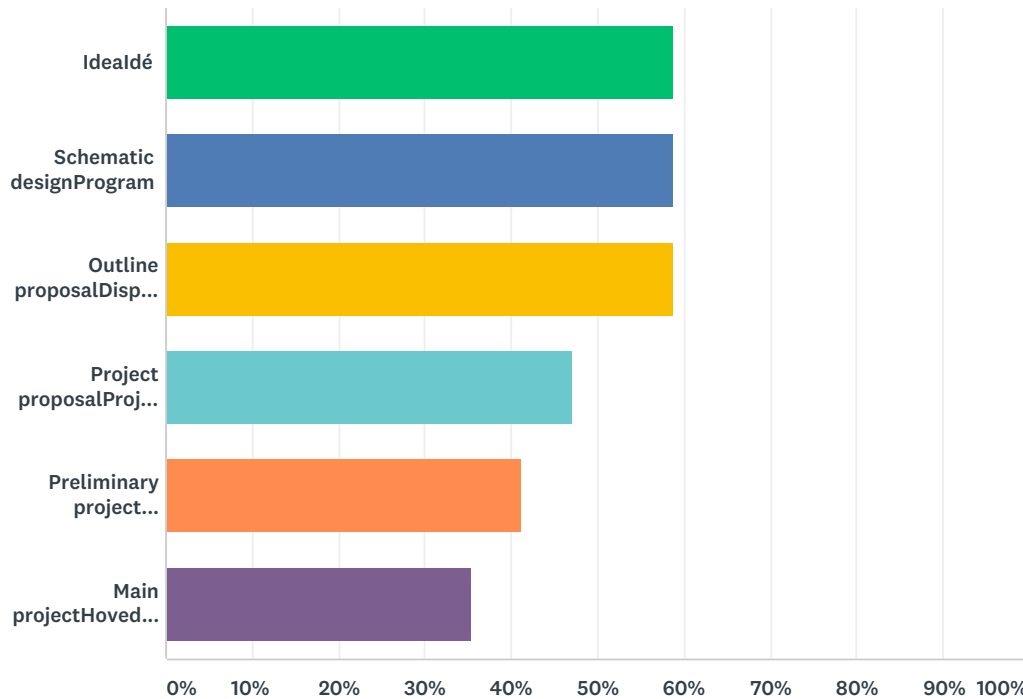 Q1 Which phases of building design do you mainly participate in?The phases represent the description in Description of Services: Building and Planning (Ydelsesbeskrivelse for Byggeri og Planlægning, Danske ARK og FRI)

Besvaret: 17   Sprunget over: 0

SVARVALG	BESVARELSER	
IdeaIdé	58,82%	10
Schematic designProgram	58,82%	10
Outline proposalDispositionsforslag	58,82%	10
Project proposalProjektforslag	47,06%	8
Preliminary project (Regulatory project)Forprojekt (Myndighedsprojekt)	41,18%	7
Main projectHovedprojekt	35,29%	6
Respondenter i alt: 17		

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 office
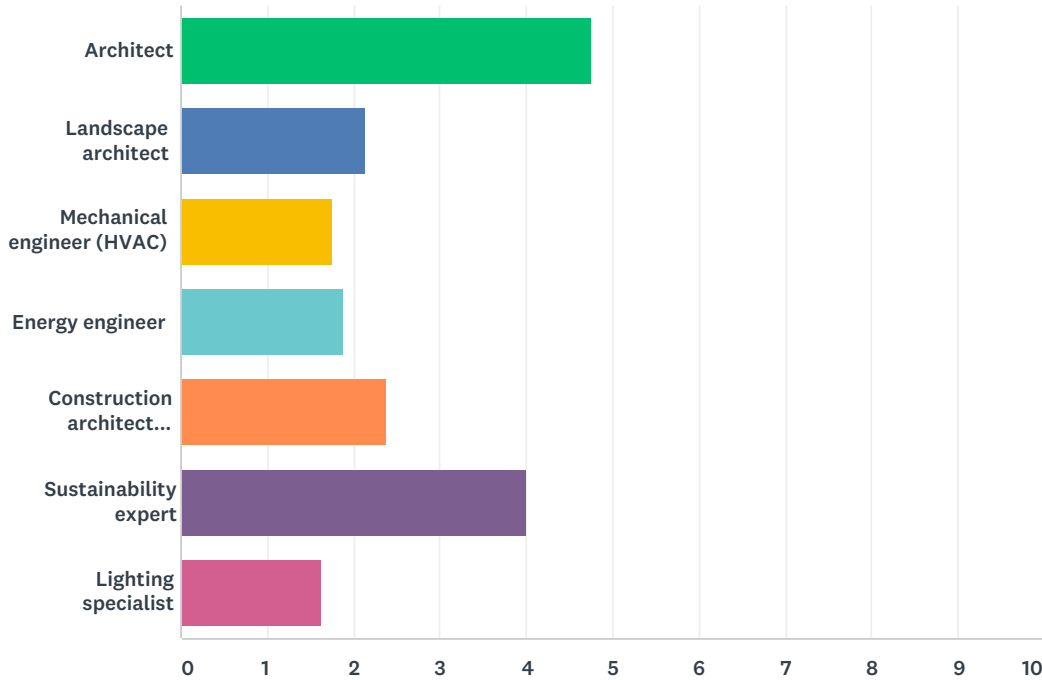
Besvaret: 8   Sprunget over: 9
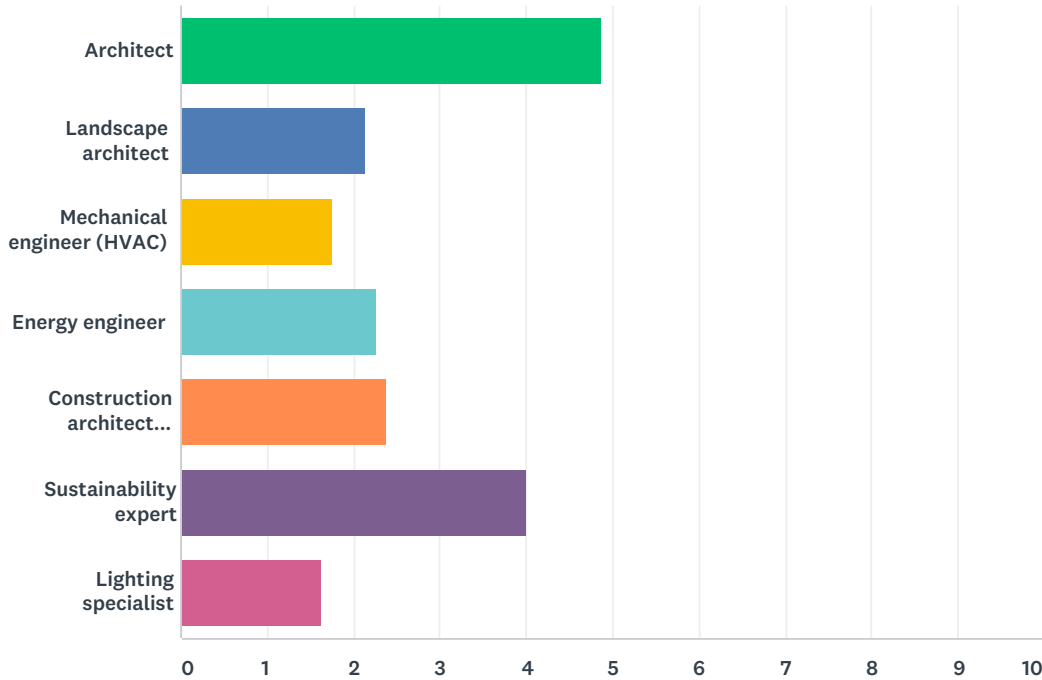
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	0,00% 0	0,00% 0	0,00% 0	12,50% 1	87,50% 7	8	4,88
Landscape architect	25,00% 2	50,00% 4	12,50% 1	12,50% 1	0,00% 0	8	2,13
Mechanical engineer (HVAC)	37,50% 3	50,00% 4	12,50% 1	0,00% 0	0,00% 0	8	1,75
Energy engineer	25,00% 2	25,00% 2	50,00% 4	0,00% 0	0,00% 0	8	2,25
Construction architect (Konstruktør)	25,00% 2	37,50% 3	25,00% 2	0,00% 0	12,50% 1	8	2,38
Sustainability expert	0,00% 0	12,50% 1	25,00% 2	12,50% 1	50,00% 4	8	4,00
Lighting specialist	50,00% 4	37,50% 3	12,50% 1	0,00% 0	0,00% 0	8	1,63

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 office

Besvaret: 8   Sprunget over: 9

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	0,00% 0	0,00% 0	12,50% 1	0,00% 0	87,50% 7	8	4,75
Landscape architect	25,00% 2	50,00% 4	12,50% 1	12,50% 1	0,00% 0	8	2,13
Mechanical engineer (HVAC)	50,00% 4	25,00% 2	25,00% 2	0,00% 0	0,00% 0	8	1,75
Energy engineer	50,00% 4	12,50% 1	37,50% 3	0,00% 0	0,00% 0	8	1,88
Construction architect (Konstruktør)	25,00% 2	37,50% 3	25,00% 2	0,00% 0	12,50% 1	8	2,38
Sustainability expert	0,00% 0	12,50% 1	25,00% 2	12,50% 1	50,00% 4	8	4,00
Lighting specialist	62,50% 5	12,50% 1	25,00% 2	0,00% 0	0,00% 0	8	1,63

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 office

Besvaret: 8   Sprunget over: 9
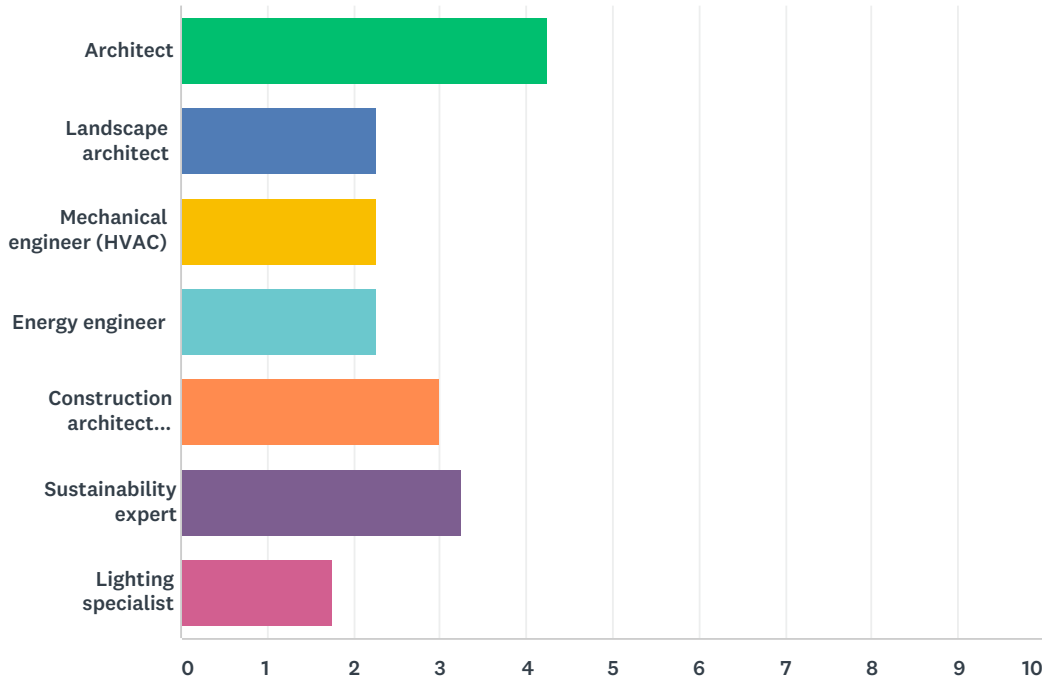
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	12,50% 1	0,00% 0	12,50% 1	0,00% 0	75,00% 6	8	4,25
Landscape architect	12,50% 1	50,00% 4	37,50% 3	0,00% 0	0,00% 0	8	2,25
Mechanical engineer (HVAC)	25,00% 2	25,00% 2	50,00% 4	0,00% 0	0,00% 0	8	2,25
Energy engineer	25,00% 2	25,00% 2	50,00% 4	0,00% 0	0,00% 0	8	2,25
Construction architect (Konstruktør)	12,50% 1	25,00% 2	25,00% 2	25,00% 2	12,50% 1	8	3,00
Sustainability expert	12,50% 1	25,00% 2	25,00% 2	0,00% 0	37,50% 3	8	3,25
Lighting specialist	50,00% 4	25,00% 2	25,00% 2	0,00% 0	0,00% 0	8	1,75

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 office

Besvaret: 10   Sprunget over: 7
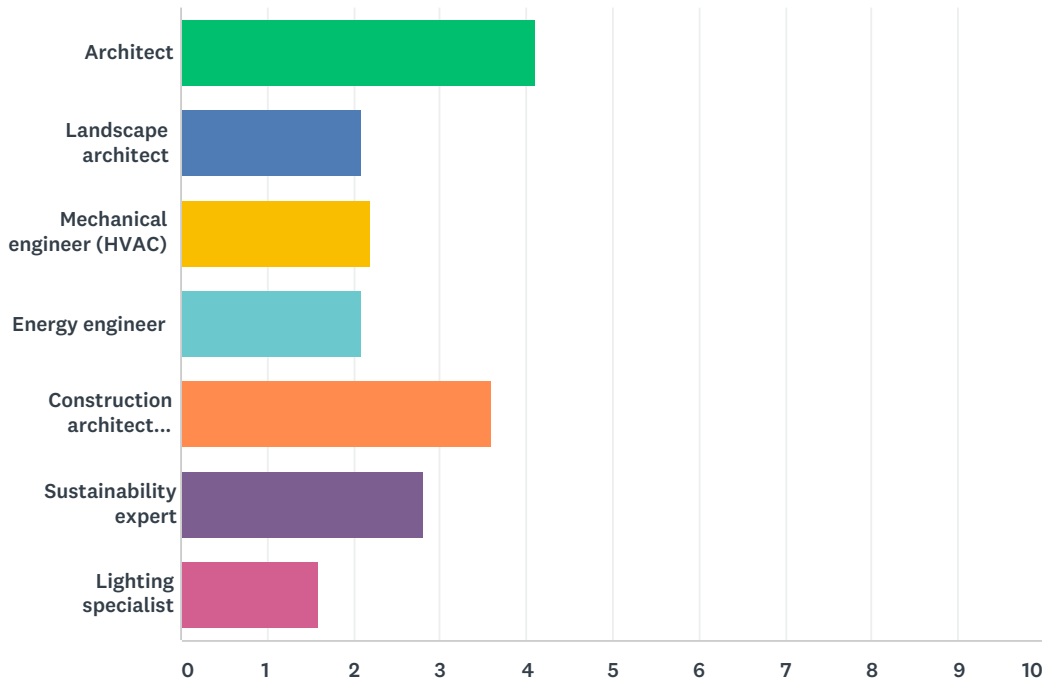
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	20,00% 2	0,00% 0	0,00% 0	10,00% 1	70,00% 7	10	4,10
Landscape architect	30,00% 3	30,00% 3	40,00% 4	0,00% 0	0,00% 0	10	2,10
Mechanical engineer (HVAC)	40,00% 4	10,00% 1	40,00% 4	10,00% 1	0,00% 0	10	2,20
Energy engineer	40,00% 4	10,00% 1	50,00% 5	0,00% 0	0,00% 0	10	2,10
Construction architect (Konstruktør)	20,00% 2	0,00% 0	20,00% 2	20,00% 2	40,00% 4	10	3,60
Sustainability expert	30,00% 3	10,00% 1	30,00% 3	10,00% 1	20,00% 2	10	2,80
Lighting specialist	60,00% 6	20,00% 2	20,00% 2	0,00% 0	0,00% 0	10	1,60

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 office

Besvaret: 10   Sprunget over: 7
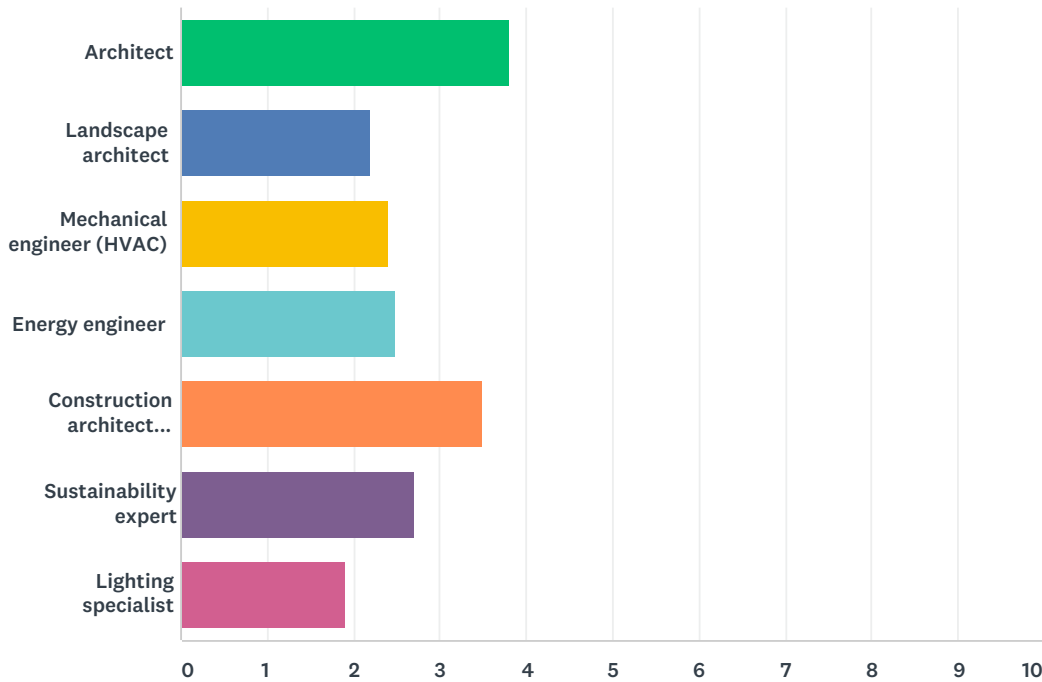
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	20,00% 2	10,00% 1	0,00% 0	10,00% 1	60,00% 6	10	3,80
Landscape architect	20,00% 2	40,00% 4	40,00% 4	0,00% 0	0,00% 0	10	2,20
Mechanical engineer (HVAC)	30,00% 3	30,00% 3	10,00% 1	30,00% 3	0,00% 0	10	2,40
Energy engineer	30,00% 3	20,00% 2	20,00% 2	30,00% 3	0,00% 0	10	2,50
Construction architect (Konstruktør)	20,00% 2	0,00% 0	20,00% 2	30,00% 3	30,00% 3	10	3,50
Sustainability expert	20,00% 2	30,00% 3	20,00% 2	20,00% 2	10,00% 1	10	2,70
Lighting specialist	40,00% 4	40,00% 4	10,00% 1	10,00% 1	0,00% 0	10	1,90

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 office

Besvaret: 10   Sprunget over: 7
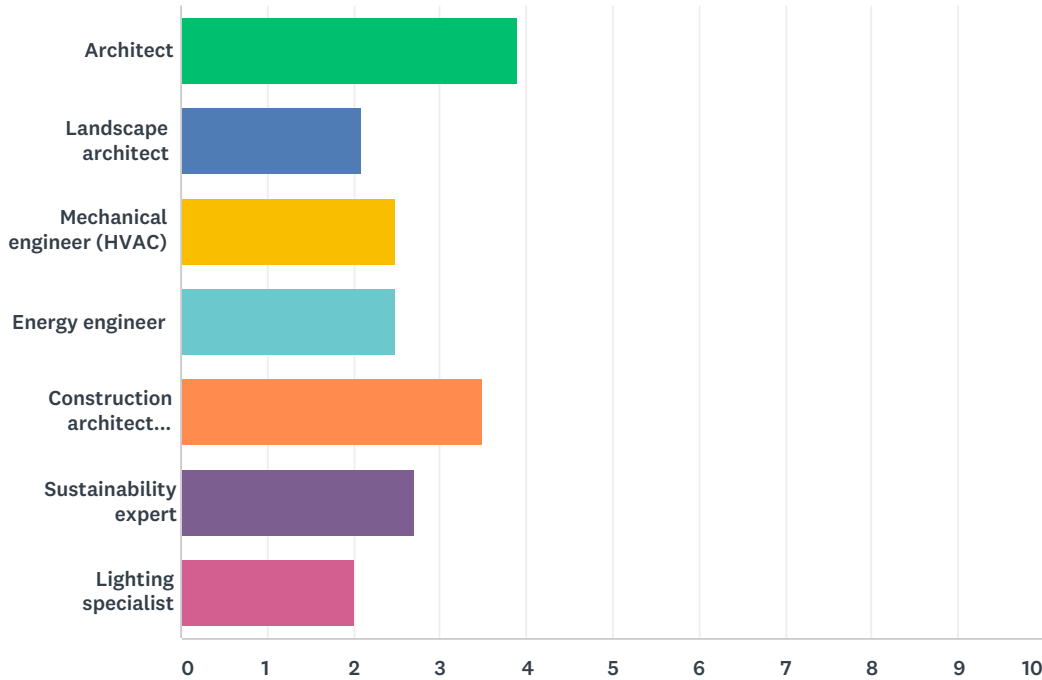
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Architect	20,00% 2	0,00% 0	10,00% 1	10,00% 1	60,00% 6	10	3,90
Landscape architect	20,00% 2	50,00% 5	30,00% 3	0,00% 0	0,00% 0	10	2,10
Mechanical engineer (HVAC)	30,00% 3	10,00% 1	40,00% 4	20,00% 2	0,00% 0	10	2,50
Energy engineer	30,00% 3	10,00% 1	40,00% 4	20,00% 2	0,00% 0	10	2,50
Construction architect (Konstruktør)	20,00% 2	0,00% 0	20,00% 2	30,00% 3	30,00% 3	10	3,50
Sustainability expert	20,00% 2	30,00% 3	20,00% 2	20,00% 2	10,00% 1	10	2,70
Lighting specialist	30,00% 3	50,00% 5	10,00% 1	10,00% 1	0,00% 0	10	2,00

Q8 To which degree does your studio work multidisciplinary in the early design phases?By early design phases, we mean Idea and Schematic design.

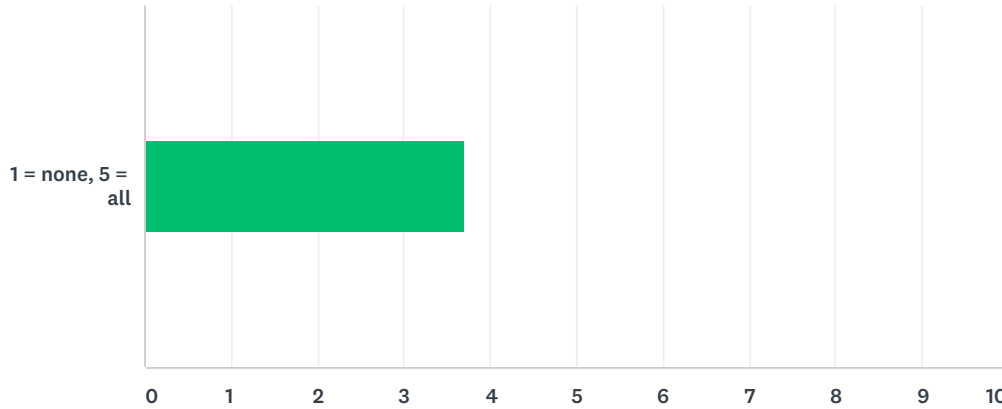Besvaret: 10   Sprunget over: 7
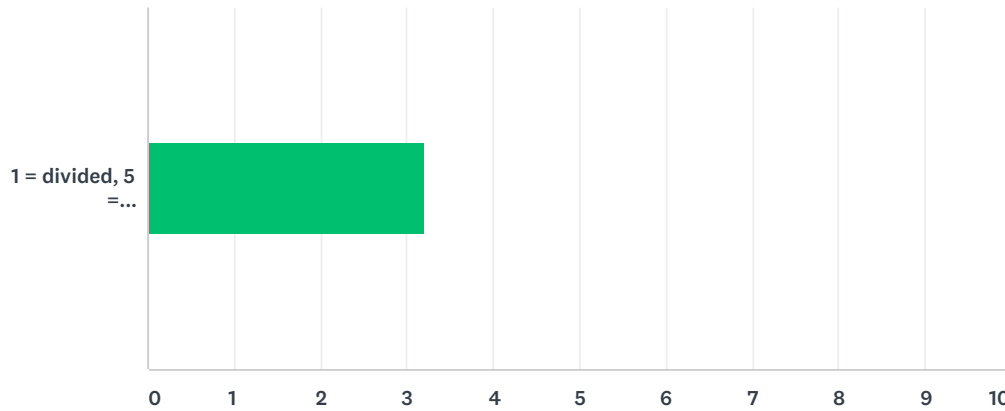
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = divided, 5 = multidisciplinary	0,00% 0	20,00% 2	50,00% 5	20,00% 2	10,00% 1	10	3,20

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

Besvaret: 10 Sprunget over: 7

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = none, 5 = all	0,00% 0	10,00% 1	30,00% 3	40,00% 4	20,00% 2	10	3,70

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

Besvaret: 10   Sprunget over: 7
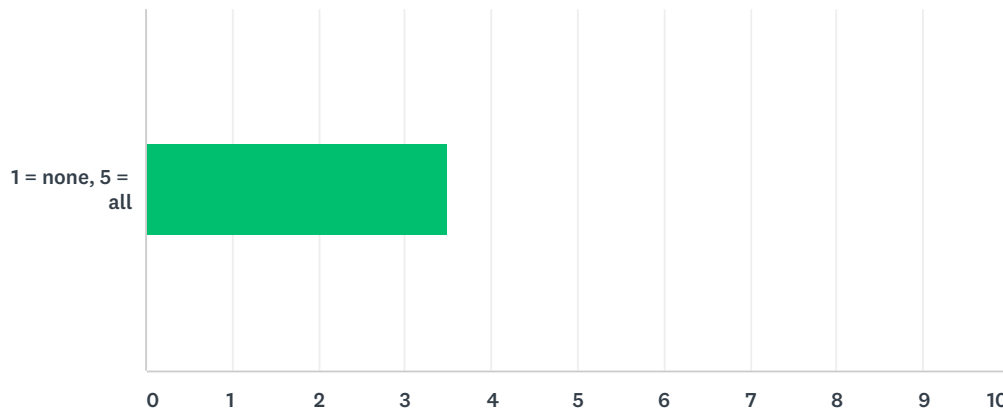
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = none, 5 = all	0,00% 0	10,00% 1	30,00% 3	60,00% 6	0,00% 0	10	3,50

Q11 How holistic/multidisciplinary is your design approach?

Besvaret: 10   Sprunget over: 7
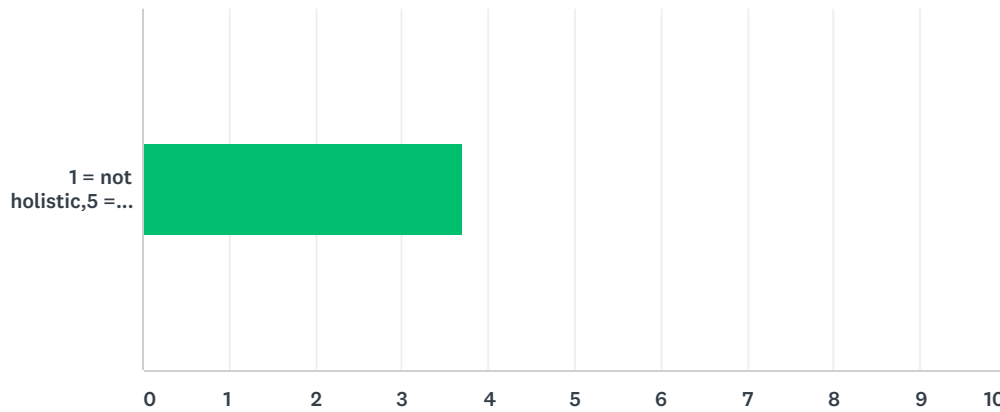
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not holistic,5 = very holistic	0,00% 0	0,00% 0	50,00% 5	30,00% 3	20,00% 2	10	3,70

Q12 How experienced are you with microclimate comfort?

Besvaret: 10   Sprunget over: 7
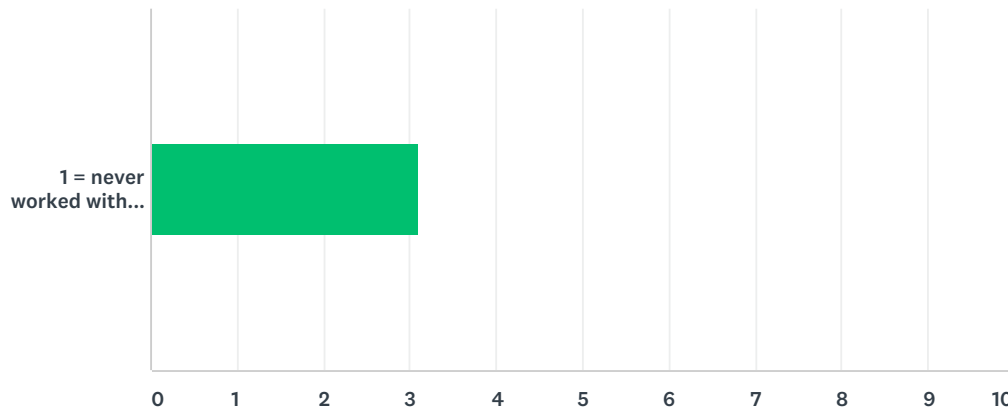
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = never worked with it,5 = expert	0,00% 0	20,00% 2	50,00% 5	30,00% 3	0,00% 0	10	3,10

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

Besvaret: 10   Sprunget over: 7
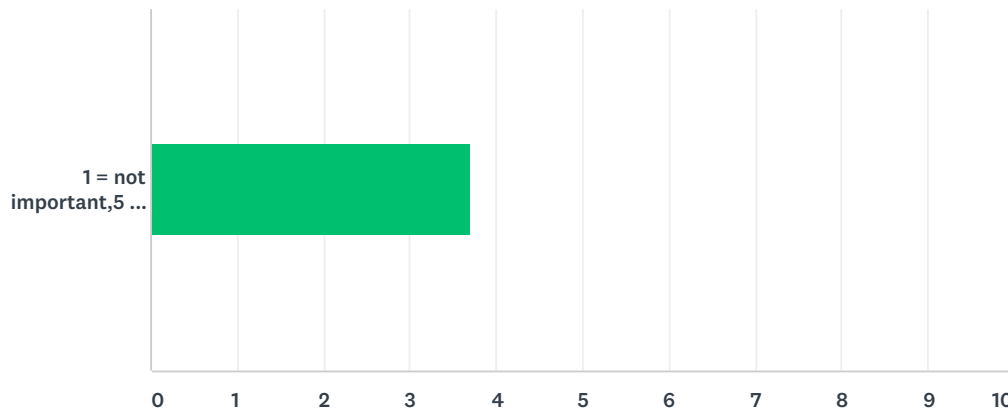
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not important,5 = very important	0,00% 0	20,00% 2	20,00% 2	30,00% 3	30,00% 3	10	3,70

Q14 How much does microclimate comfort influence your design decisions in the different phases?1 = none, 5 = design driver

Besvaret: 10   Sprunget over: 7
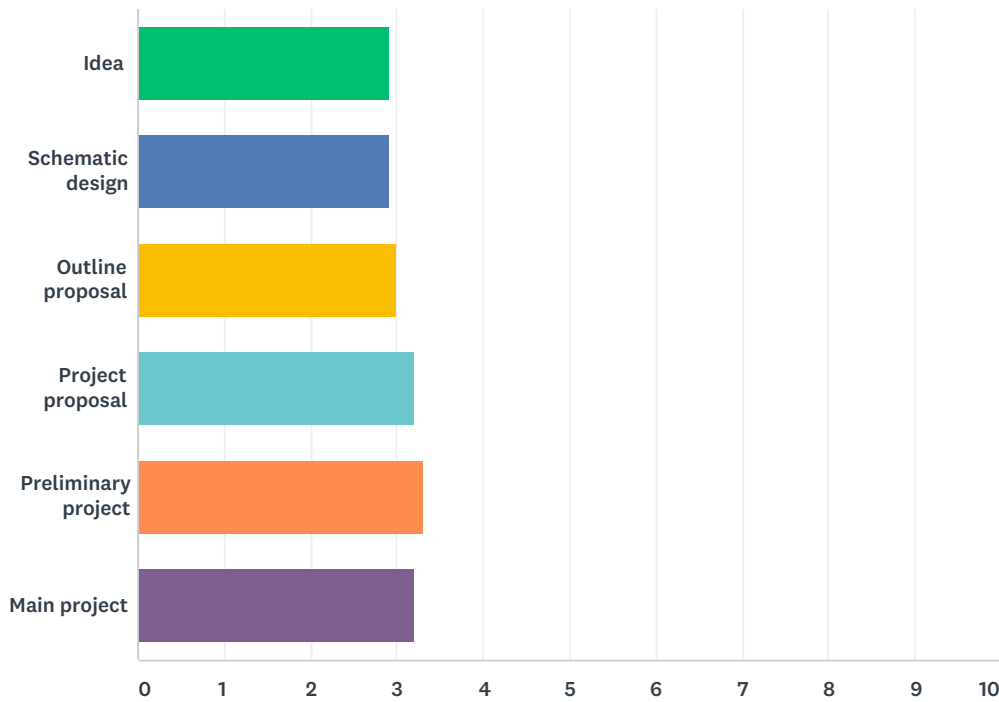
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Idea	30,00% 3	10,00% 1	20,00% 2	20,00% 2	20,00% 2	10	2,90
Schematic design	20,00% 2	10,00% 1	40,00% 4	20,00% 2	10,00% 1	10	2,90
Outline proposal	10,00% 1	20,00% 2	40,00% 4	20,00% 2	10,00% 1	10	3,00
Project proposal	0,00% 0	20,00% 2	50,00% 5	20,00% 2	10,00% 1	10	3,20
Preliminary project	0,00% 0	20,00% 2	40,00% 4	30,00% 3	10,00% 1	10	3,30
Main project	0,00% 0	40,00% 4	20,00% 2	20,00% 2	20,00% 2	10	3,20

# Q15 How do you mainly work with microclimate comfort in the early design phases?

Besvaret: 10   Sprunget over: 7
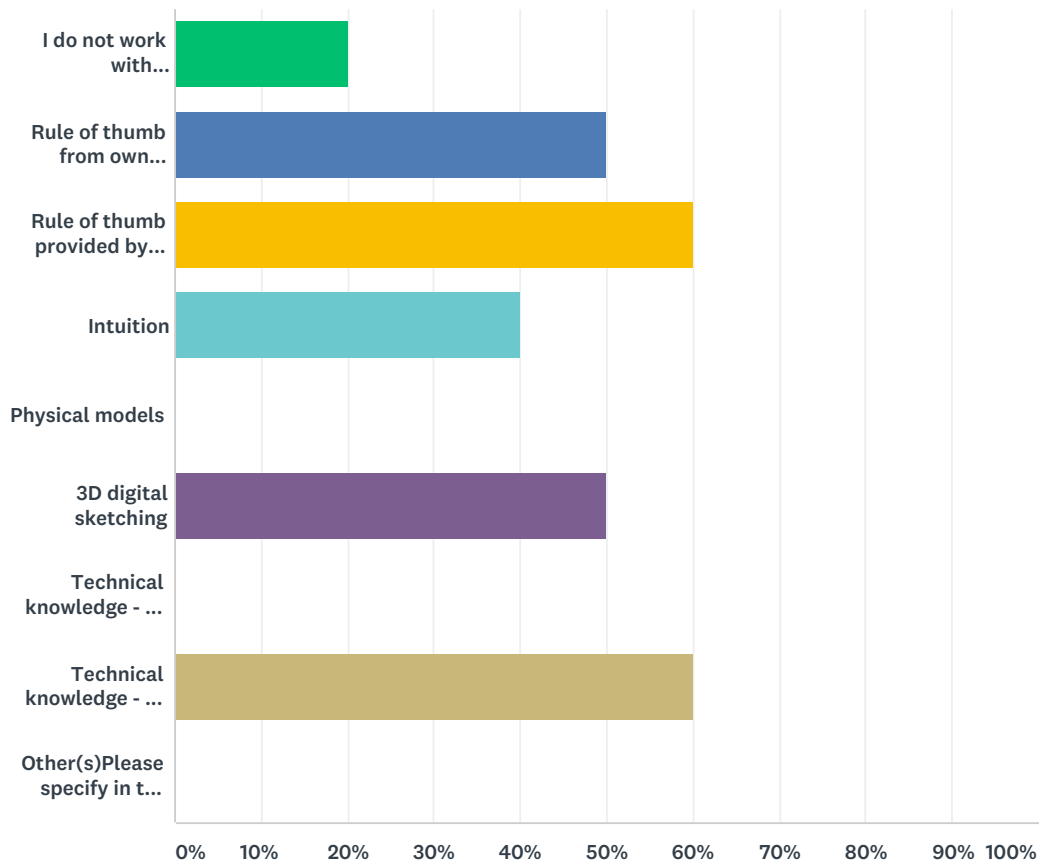
| SVARVALG	BESVARELSER	
I do not work with microclimate comfort	20,00%	2
Rule of thumb from own experience	50,00%	5
Rule of thumb provided by others	60,00%	6
Intuition	40,00%	4
Physical models	0,00%	0
3D digital sketching	50,00%	5
Technical knowledge - I run the analysis myselfPlease specify which analysis tools in the commentary box below	0,00%	0
Technical knowledge - I get input from othersPlease specify from who in the commentary box below	60,00%	6
Other(s)Please specify in the commentary box below	0,00%	0
Respondenter i alt: 10		

Q16 How experienced are you with daylight?

Besvaret: 10   Sprunget over: 7
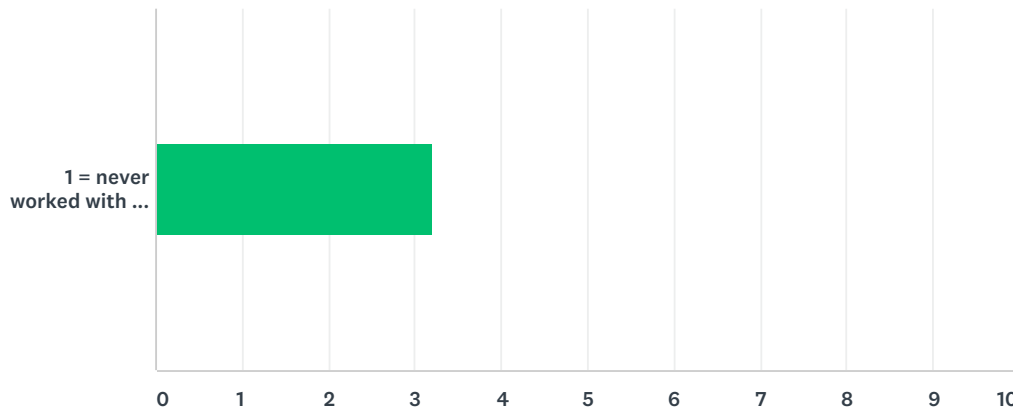
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = never worked with it5 = expert	0,00% 0	20,00% 2	40,00% 4	40,00% 4	0,00% 0	10	3,20

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

Besvaret: 10   Sprunget over: 7
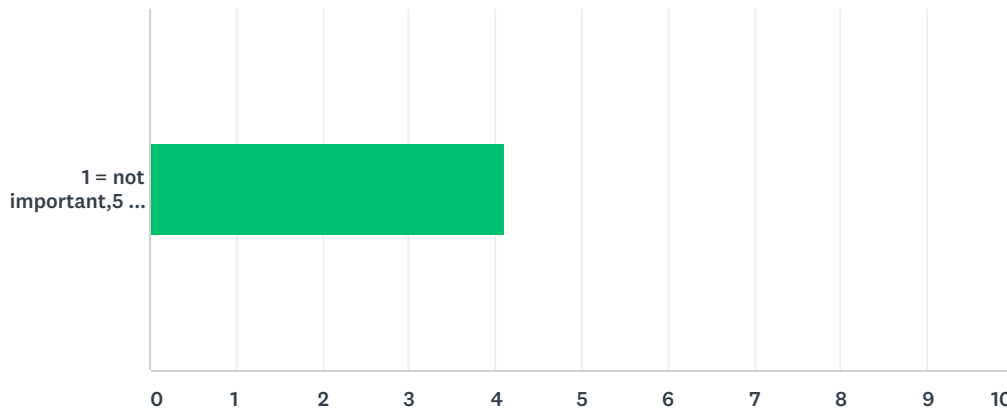
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not important,5 = very important	0,00% 0	0,00% 0	30,00% 3	30,00% 3	40,00% 4	10	4,10

# Q18 How much does daylight influence your design decisions in the different phases?1 = none, 5 = design driver

Besvaret: 10　　Sprunget over: 7
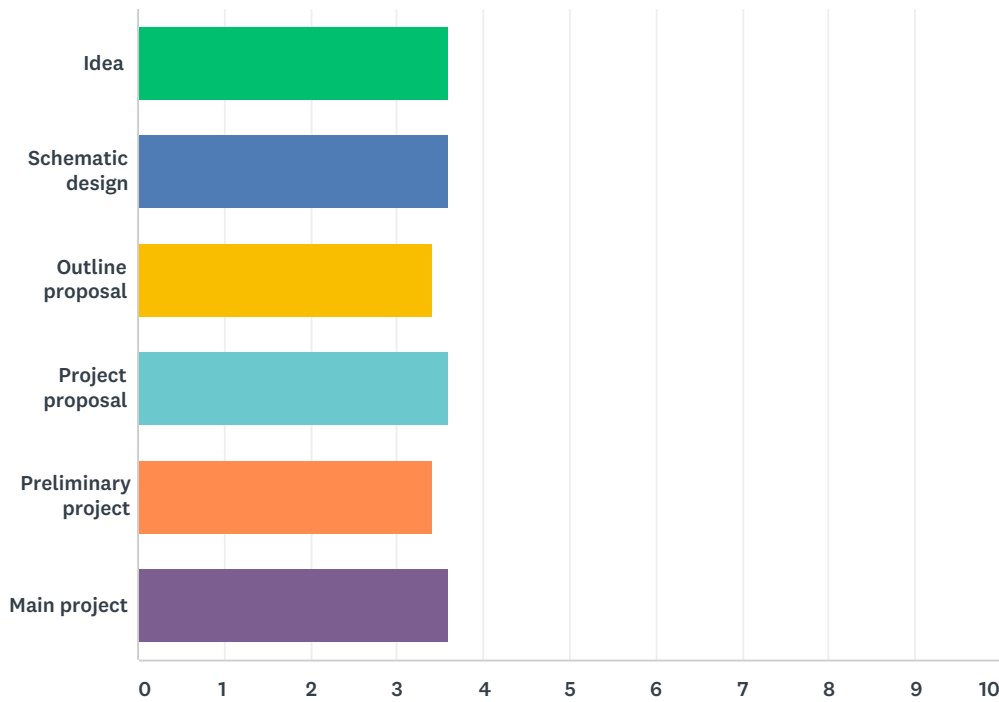
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Idea	10,00% 1	10,00% 1	10,00% 1	50,00% 5	20,00% 2	10	3,60
Schematic design	10,00% 1	10,00% 1	10,00% 1	50,00% 5	20,00% 2	10	3,60
Outline proposal	10,00% 1	10,00% 1	20,00% 2	50,00% 5	10,00% 1	10	3,40
Project proposal	0,00% 0	10,00% 1	30,00% 3	50,00% 5	10,00% 1	10	3,60
Preliminary project	0,00% 0	10,00% 1	50,00% 5	30,00% 3	10,00% 1	10	3,40
Main project	0,00% 0	10,00% 1	30,00% 3	50,00% 5	10,00% 1	10	3,60

## Q19 How do you mainly work with daylight in the early design phases?

Besvaret: 10   Sprunget over: 7
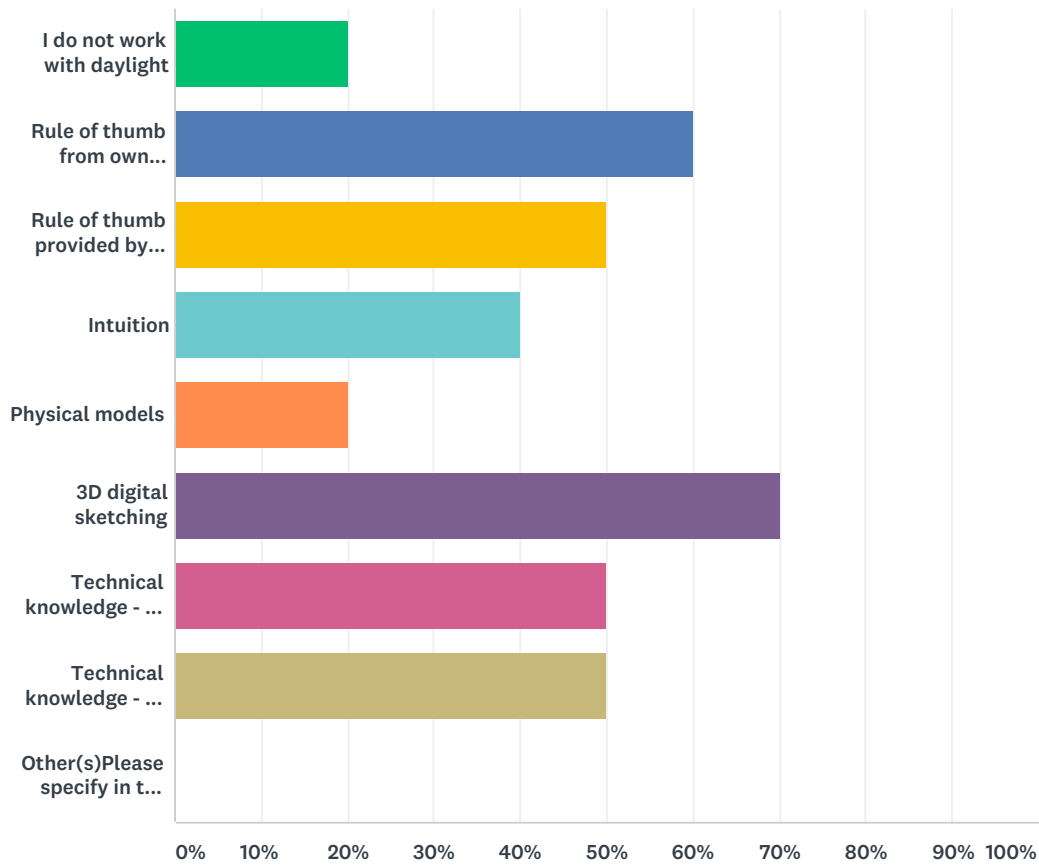
SVARVALG	BESVARELSER	
I do not work with daylight	20,00%	2
Rule of thumb from own experience	60,00%	6
Rule of thumb provided by others	50,00%	5
Intuition	40,00%	4
Physical models	20,00%	2
3D digital sketching	70,00%	7
Technical knowledge - I run the analysis myselfPlease specify which analysis tools in the commentary box below	50,00%	5
Technical knowledge - I get input from othersPlease specify from who in the commentary box below	50,00%	5
Other(s)Please specify in the commentary box below	0,00%	0
Respondenter i alt: 10		

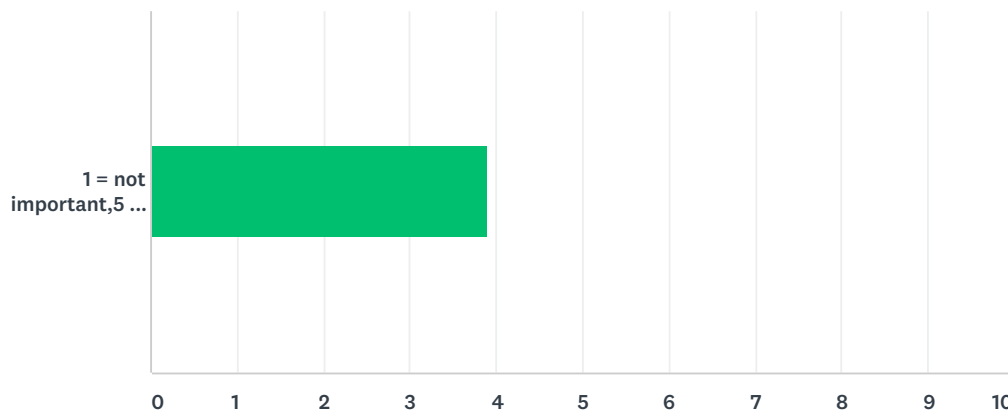# Q20 How experienced are you with energy performance?

Besvaret: 10   Sprunget over: 7
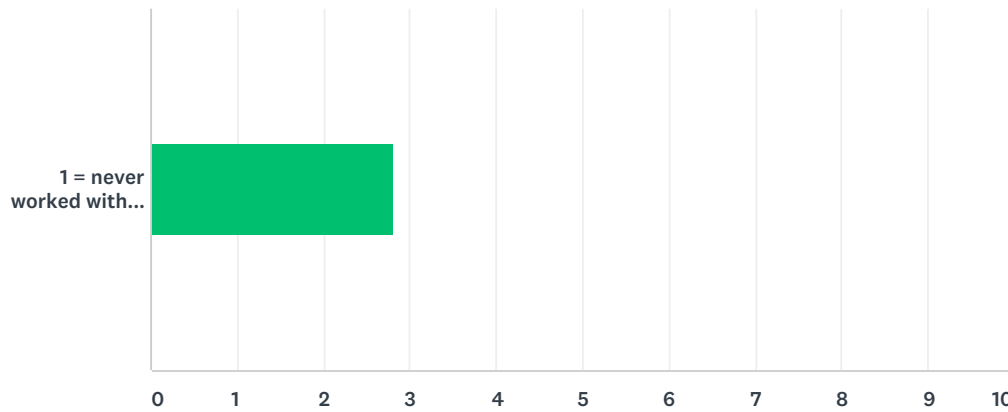
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = never worked with it,5 = expert	10,00% 1	20,00% 2	50,00% 5	20,00% 2	0,00% 0	10	2,80

Q21 How important is energy performance in regards to the quality of the design?

Besvaret: 10   Sprunget over: 7

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not important,5 = very important	0,00% 0	0,00% 0	20,00% 2	70,00% 7	10,00% 1	10	3,90

Q22 How much does energy performance influence your design decisions in the different phases?1 = none, 5 = design driver

Besvaret: 10   Sprunget over: 7
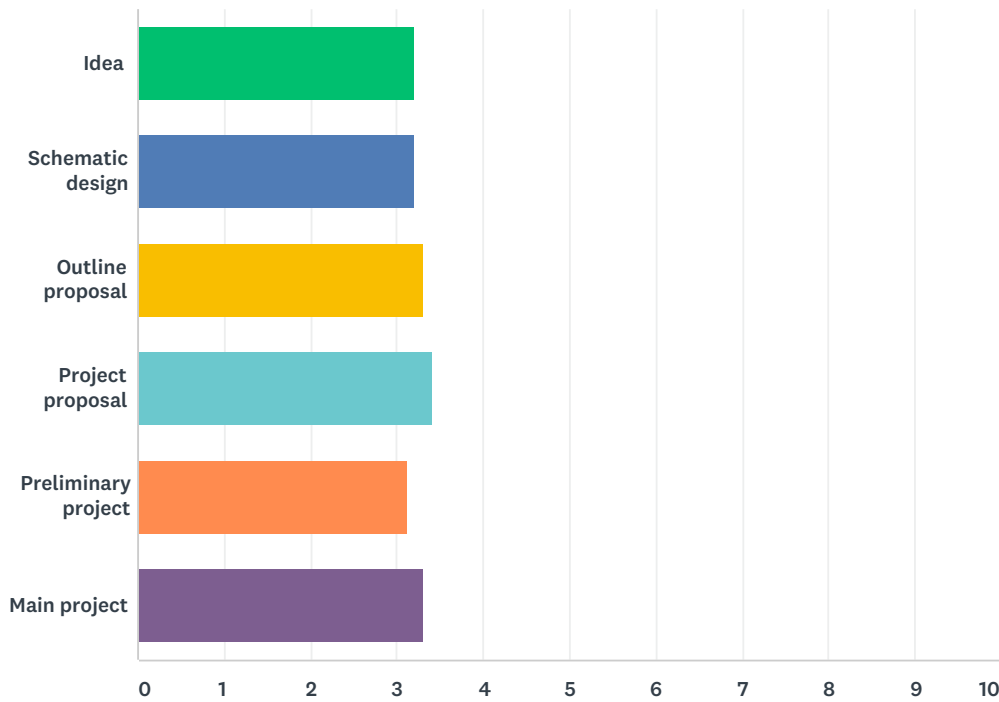
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Idea	10,00% 1	0,00% 0	50,00% 5	40,00% 4	0,00% 0	10	3,20
Schematic design	10,00% 1	0,00% 0	50,00% 5	40,00% 4	0,00% 0	10	3,20
Outline proposal	10,00% 1	0,00% 0	40,00% 4	50,00% 5	0,00% 0	10	3,30
Project proposal	0,00% 0	10,00% 1	40,00% 4	50,00% 5	0,00% 0	10	3,40
Preliminary project	0,00% 0	11,11% 1	66,67% 6	22,22% 2	0,00% 0	9	3,11
Main project	0,00% 0	10,00% 1	50,00% 5	40,00% 4	0,00% 0	10	3,30

# Q23 How do you mainly work with energy performance in the early design phases?

Besvaret: 10   Sprunget over: 7
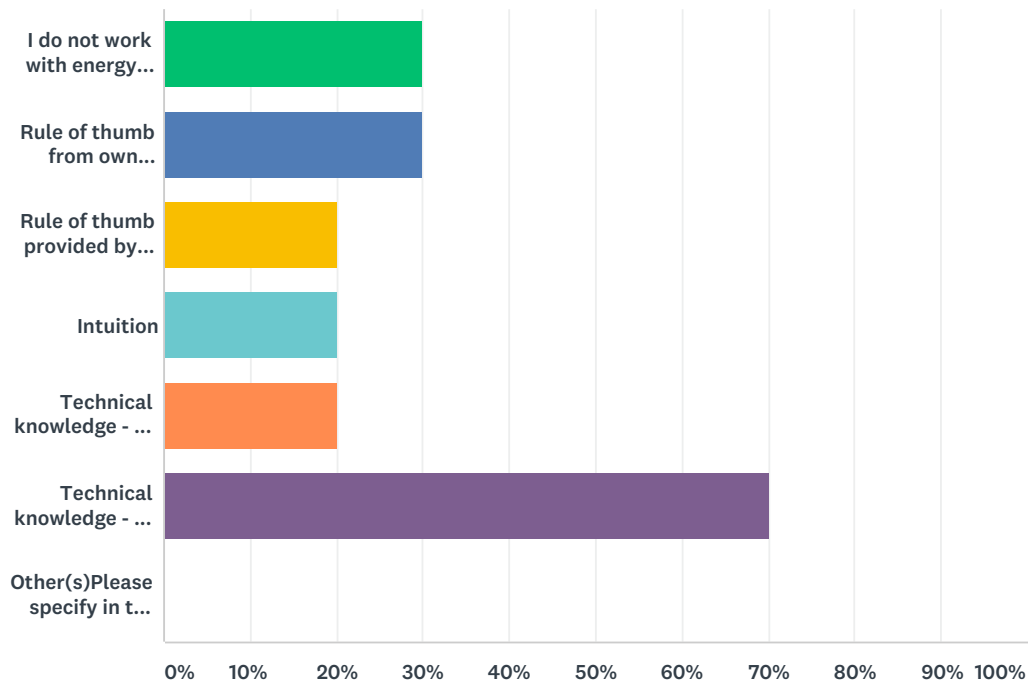
| SVARVALG	BESVARELSER	
I do not work with energy performance	30,00%	3
Rule of thumb from own experience	30,00%	3
Rule of thumb provided by others	20,00%	2
Intuition	20,00%	2
Technical knowledge - I run the analysis myselfPlease specify which analysis tools in the commentary box below	20,00%	2
Technical knowledge - I get input from othersPlease specify from who in the commentary box below	70,00%	7
Other(s)Please specify in the commentary box below	0,00%	0
Respondenter i alt: 10		

Q24 How experienced are you with LCC?

Besvaret: 10   Sprunget over: 7
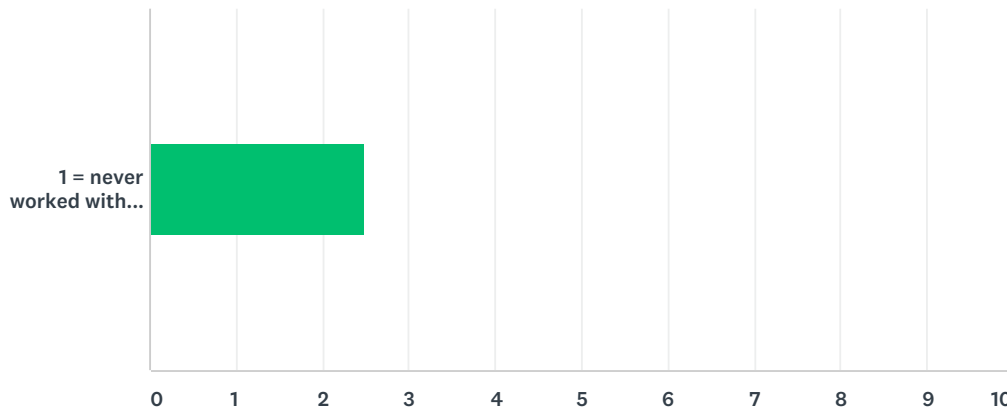
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = never worked with it,5 = expert	20,00% 2	30,00% 3	30,00% 3	20,00% 2	0,00% 0	10	2,50

Q25 How important is LCC in regards to the quality of the design?
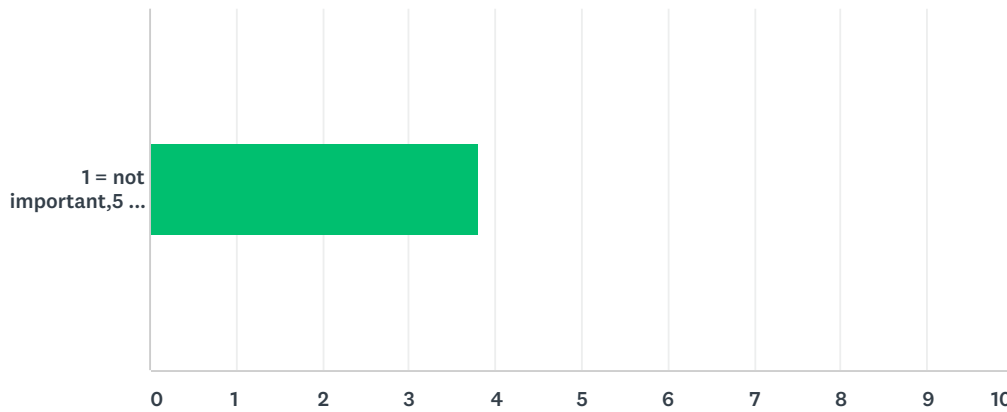
Besvaret: 10   Sprunget over: 7

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not important,5 = very important	0,00% 0	10,00% 1	30,00% 3	30,00% 3	30,00% 3	10	3,80

Q26 How much does LCC influence your design decisions in the different phases?1 = none, 5 = design driver

Besvaret: 10   Sprunget over: 7
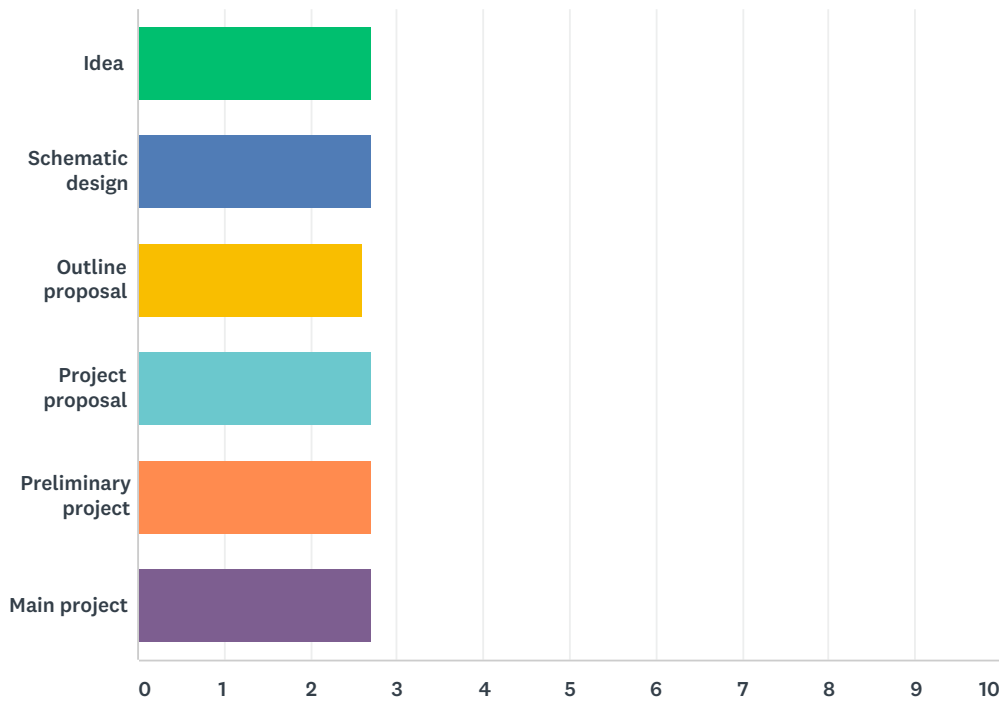
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Idea	20,00% 2	30,00% 3	20,00% 2	20,00% 2	10,00% 1	10	2,70
Schematic design	20,00% 2	30,00% 3	20,00% 2	20,00% 2	10,00% 1	10	2,70
Outline proposal	20,00% 2	30,00% 3	30,00% 3	10,00% 1	10,00% 1	10	2,60
Project proposal	20,00% 2	20,00% 2	40,00% 4	10,00% 1	10,00% 1	10	2,70
Preliminary project	10,00% 1	40,00% 4	30,00% 3	10,00% 1	10,00% 1	10	2,70
Main project	10,00% 1	40,00% 4	30,00% 3	10,00% 1	10,00% 1	10	2,70

## Q27 How do you mainly work with LCC in the early design phases?

Besvaret: 10   Sprunget over: 7
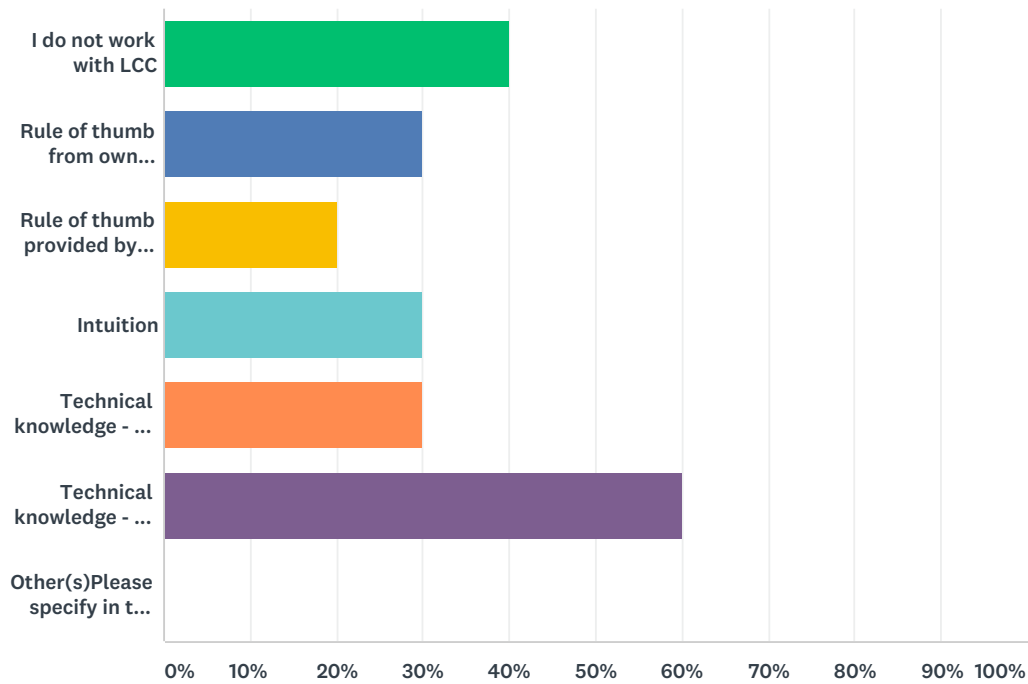
| SVARVALG	BESVARELSER	
I do not work with LCC	40,00%	4
Rule of thumb from own experience	30,00%	3
Rule of thumb provided by others	20,00%	2
Intuition	30,00%	3
Technical knowledge - I run the analysis myselfPlease specify which analysis tools in the commentary box below	30,00%	3
Technical knowledge - I get input from othersPlease specify from who in the commentary box below	60,00%	6
Other(s)Please specify in the commentary box below	0,00%	0
Respondenter i alt: 10		

Q28 How experienced are you with LCA?

Besvaret: 10   Sprunget over: 7
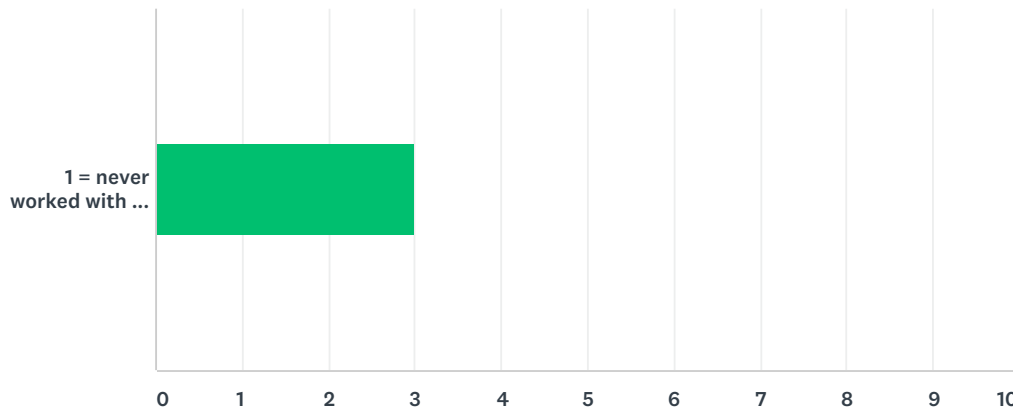
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = never worked with it, 5 = expert	10,00% 1	20,00% 2	40,00% 4	20,00% 2	10,00% 1	10	3,00

Q29 How important is LCA in regards to the quality of the design?
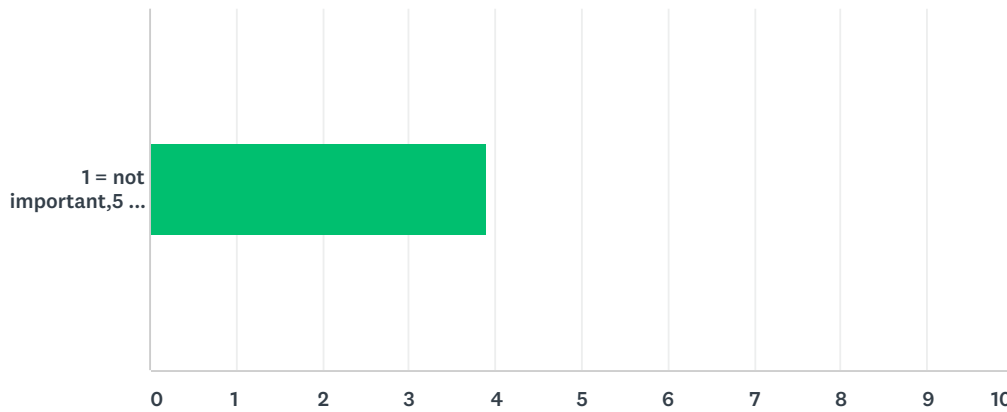
Besvaret: 10   Sprunget over: 7

	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
1 = not important,5 = very important	0,00% 0	0,00% 0	30,00% 3	50,00% 5	20,00% 2	10	3,90

Q30 How much does LCA influence your design decisions in the different phases?1 = none, 5 = design driver

Besvaret: 10   Sprunget over: 7
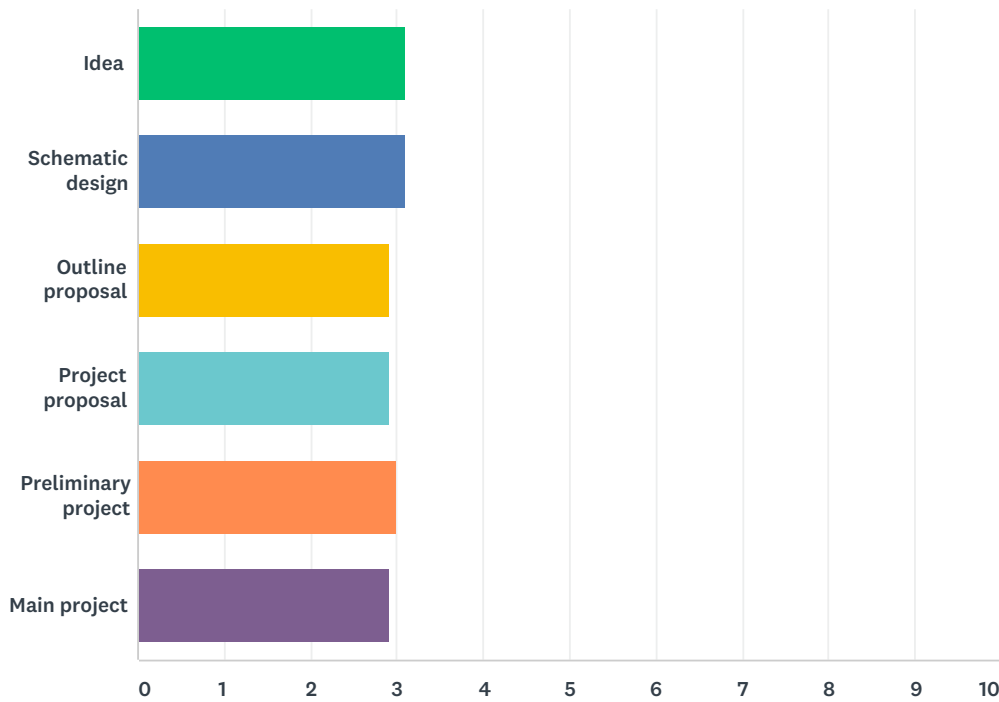
	1	2	3	4	5	I ALT	VÆGTET GENNEMSNIT
Idea	10,00% 1	20,00% 2	30,00% 3	30,00% 3	10,00% 1	10	3,10
Schematic design	10,00% 1	20,00% 2	30,00% 3	30,00% 3	10,00% 1	10	3,10
Outline proposal	10,00% 1	30,00% 3	30,00% 3	20,00% 2	10,00% 1	10	2,90
Project proposal	10,00% 1	30,00% 3	30,00% 3	20,00% 2	10,00% 1	10	2,90
Preliminary project	0,00% 0	44,44% 4	22,22% 2	22,22% 2	11,11% 1	9	3,00
Main project	0,00% 0	40,00% 4	40,00% 4	10,00% 1	10,00% 1	10	2,90

Q31 How do you mainly work with LCA in the early design phases?
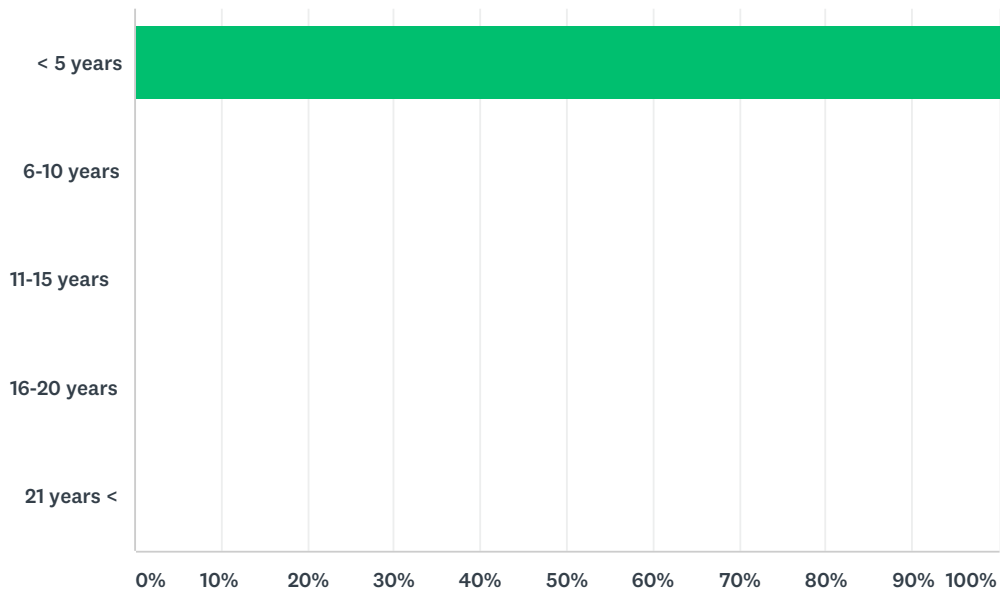
Besvaret: 10   Sprunget over: 7
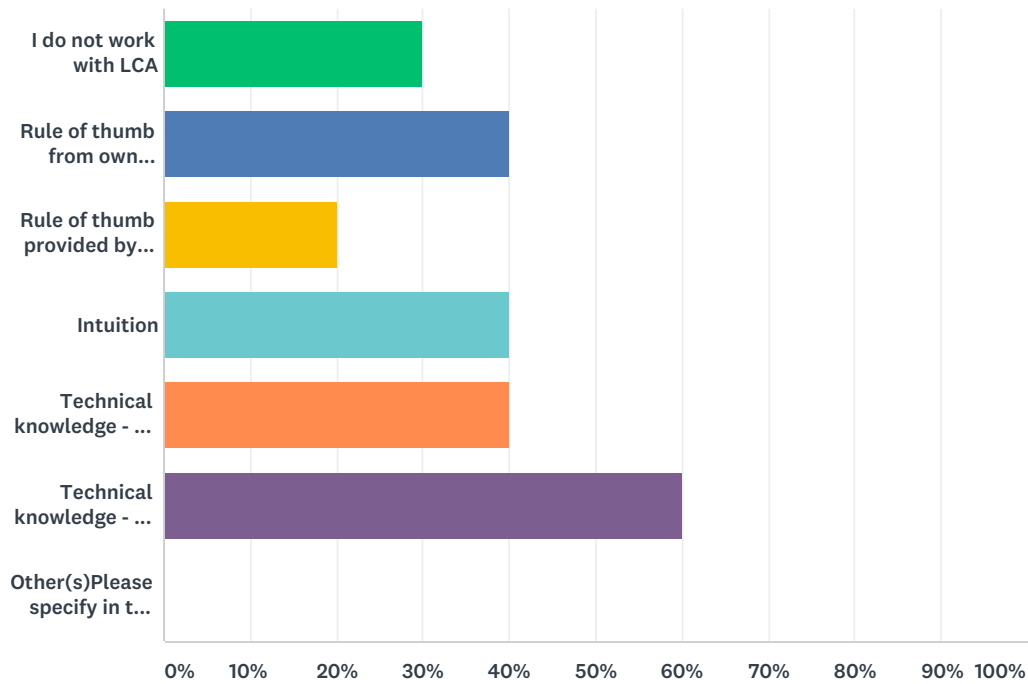
SVARVALG	BESVARELSER	
I do not work with LCA	30,00%	3
Rule of thumb from own experience	40,00%	4
Rule of thumb provided by others	20,00%	2
Intuition	40,00%	4
Technical knowledge - I run the analysis myselfPlease specify which analysis tools in the commentary box below	40,00%	4
Technical knowledge - I get input from othersPlease specify from who in the commentary box below	60,00%	6
Other(s)Please specify in the commentary box below	0,00%	0
Respondenter i alt: 10		

Q32 Company name and office
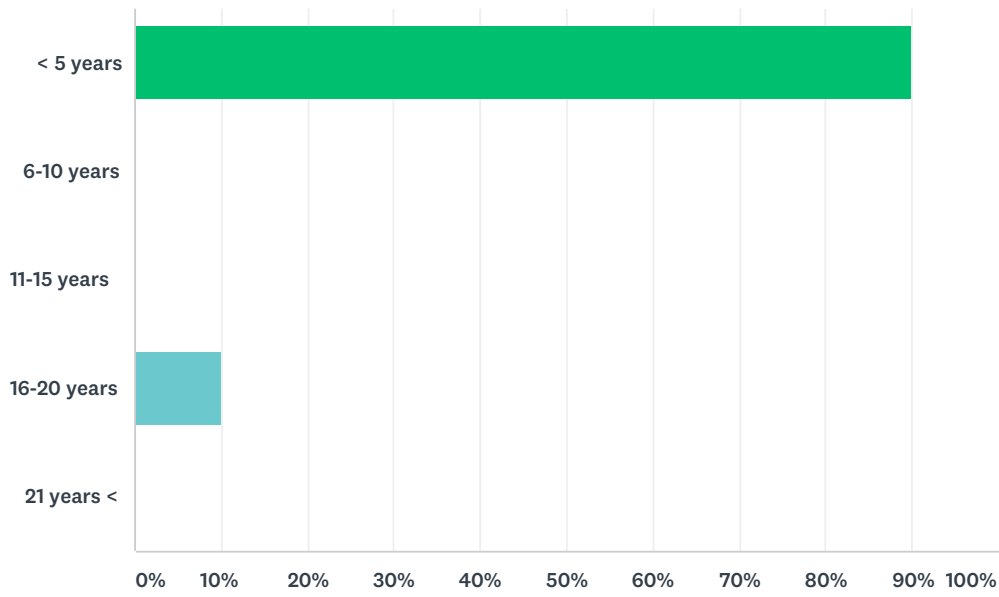
Besvaret: 10   Sprunget over: 7

Q33 Seniority in current company

Besvaret: 10   Sprunget over: 7

SVARVALG	BESVARELSER	
< 5 years	100,00%	10
6-10 years	0,00%	0
11-15 years	0,00%	0
16-20 years	0,00%	0
21 years <	0,00%	0
I ALT		10

Q34 Total seniority

Besvaret: 10   Sprunget over: 7

SVARVALG	BESVARELSER	
< 5 years	90,00%	9
6-10 years	0,00%	0
11-15 years	0,00%	0
16-20 years	10,00%	1
21 years <	0,00%	0
I ALT		10

Q35 Job

Besvaret: 10   Sprunget over: 7
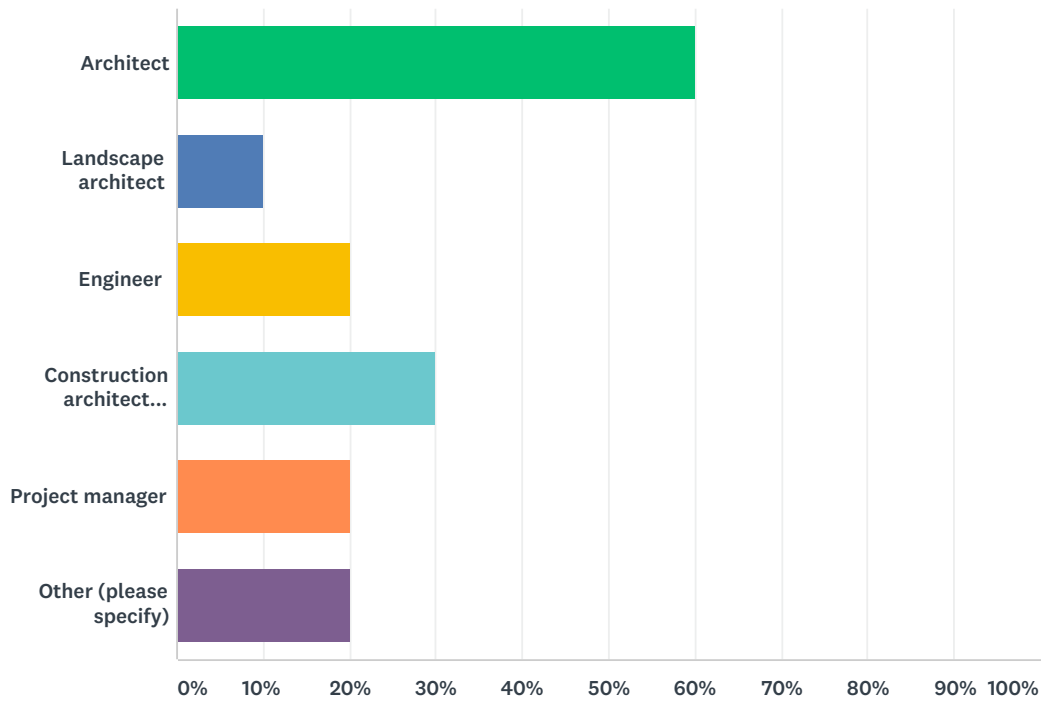
SVARVALG	BESVARELSER	
Architect	60,00%	6
Landscape architect	10,00%	1
Engineer	20,00%	2
Construction architect (Konstruktør)	30,00%	3
Project manager	20,00%	2
Other (please specify)	20,00%	2
Respondenter i alt: 10		

Q36 Gender

Besvaret: 10   Sprunget over: 7
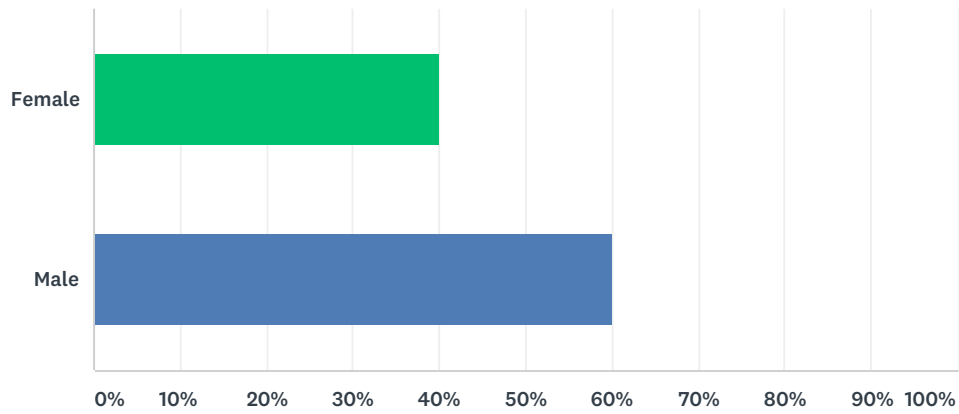
SVARVALG	BESVARELSER	
Female	40,00%	4
Male	60,00%	6
I ALT		10