

## BUSI QUESTIONNAIRE

### Introduction

Build Up Skills Ireland (BUSI) initiative aims to ensure that craftsmen and other on-site construction workers and system installers have the necessary skills and knowledge to keep pace with changes to building regulations standards designed to achieve the EU 2020 energy efficiency targets.

As part of the BUSI project we are developing a Roadmap for Ireland outlining actions that will provide construction workers with skills and knowledge necessary to build/renovate to high energy efficient standards, while at the same time improving their career prospects in Ireland and abroad.

Feedback from you, construction workers and employers, is vital to ensure your views are reflected in the roadmap. **Have your say!**

Your views are highly valued and we greatly appreciate you taking the time to complete this survey. It should take about five minutes of your time.

Your responses are voluntary and are confidential – they are not linked to a person. All responses will be compiled together and analysed as a group.

If you have any questions or concerns, please contact Ela Krawczyk at 01-402 3749 or [elzbieta.krawczyk@dit.ie](mailto:elzbieta.krawczyk@dit.ie) to discuss them.

**Q1. Were you aware that Irish Building Regulations changed in regard to energy efficiency standards in 2011?**

- Yes
- No

**Q2. Have you made any improvements to your home aimed at lowering its energy usage?**

- Yes
- No
- I am planning to make such improvements within a year
- Not applicable

**Q3. Have you ever worked on the construction or retrofitting of low energy buildings, for example on a passivehaus?**

- Yes
- No

**Q4. Over the past three years, have you noticed any change in practices on site in relation to how work is planned and carried out to facilitate low energy construction?**

- Yes
- No
- I don't know

Comment box, if yes, please list what changed.....

**Q5. Have you completed any training related to the construction or retrofitting of low energy buildings or installation of renewable technologies?**

- Yes
- No

Comment box, if yes, please list the training you have completed

**Q6. Please indicate the level of agreement or disagreement with the following statements.**

	Strongly agree	Agree	Neither agree or disagree	Disagree	Strongly disagree
I am up to date with the current building regulations in regard to energy performance of buildings					
My co-workers have sufficient knowledge to implement the standards set by the regulations					
I have sufficient knowledge to implement the standards set by the regulations					
My co-workers have sufficient technical skills to implement the standards set by the regulations					
I have sufficient technical skills to implement the standards set by the regulations					
I am not responsible for implementing building regulations related to energy performance of buildings					
My co-workers know the current building regulations in regard to energy performance of buildings					
I don't have necessary technical skills to achieve the current energy performance standards					
My co-workers know the building regulations but they are not sure how to implement them					
I know the building regulations but I am not sure how to implement them					
I know what I need to do on site to achieve these standards but other crafts lack that knowledge					

**Q7. In your opinion, what are the most important things for achieving low energy performance in buildings? Please choose the two most important answers.**

- Cooperation between trades to ensure all building elements and services work together
- On-going inspections of the quality of work carried out
- Very detailed construction drawings
- Testing of the measures used on site, such as air tightness tests
- Suitability of the materials and systems
- Installation of renewable technologies, such as solar panels
- Client’s knowledge of systems and materials
- Other

Text box for other.....

**Q8. Please indicate the level of agreement or disagreement with the following statements.**

	Strongly agree	Agree	Neither agree or disagree	Disagree	Strongly disagree
I would like to attend a training course to learn more about low energy building					
All construction workers should attend a basic training course (1-3 days) on how to achieve low energy builds/retrofits					
I don't need to attend basic energy training because I already have the necessary skills and knowledge					
I don't see a need for training on how to achieve low energy builds/retrofits					
Training for low energy building should be mandatory, like "Safe Pass"					
Basic 'energy training' should be free of charge					
Basic 'energy training' should be delivered to groups made up of groups of similar trades only					
Basic 'energy training' should be delivered to groups containing mixed trades					
Basic 'energy training' should be delivered in a classroom					
Basic 'energy training' should be delivered on site					

Basic 'energy training' should be delivered on Saturdays					
Basic 'energy training' should be delivered in the evening					
Basic 'energy training' should be accessible locally					
The employer should pay for the basic 'energy training'					
The cost of the basic 'energy training' should be shared between the employer and employee					
The employee should pay part of the fee					
The employee should pay entire fee					

**Q9. I would attend basic energy training because (please choose two most applicable answers):**

- It would help me to be a better tradesman
- It would allow me to earn higher wages
- It would increase my job prospects
- It was mandatory
- It is free of charge
- I believe I need to learn more to do my job better
- I don't require any training
- Other

Comment Box for other.....

**Q10. I would send my employees to basic energy training because (please choose two most applicable answers):**

- It would help me to get more business in the future
- It is mandatory
- It is free of charge to me
- It would give my company a competitive advantage
- It would give my employees better skills and knowledge
- I would not voluntarily send any of my employees on such training
- Other

Comment box for Other....

**Q11. Please tell us more about yourself.**

**Gender**

- Male
- Female

**Age**

- <25
- 25-34
- 35-44
- 45-55
- >55

**Role on site**

- General Operative
- Craft worker
- Site Supervisor
- Site Manager
- Other

Text box for other

**Craft background/role (choose all that apply)**

- Carpenter/Joiner
- Brick/Block and stone layer
- Plasterer
- Plumber
- Electrician
- None of the above
- Other

Text box for other

**Employment status**

- Employee
- Employer
- Self-employed
- Unemployed

**Qualifications**

- Apprentice (i.e. still undertaking training)
- Qualified tradesman (i.e. formally qualified)
- Time served tradesman (i.e. not formally qualified)
- Diploma / BSc or other third level qualification

**Thank you!**

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### BUSI

Industry Specific

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## Response Summary

**WOW, YOU HAVE A POPULAR SURVEY!** Your survey has received 149 responses! As a basic account holder, you can view the first 100 responses. With a professional account, you'll be able to see all of your responses.

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1. Were you aware that Irish Building Regulations changed in regard to energy efficiency standards in 2011? [Create Chart](#) [Download](#)

	Response Percent	Response Count
Yes	79.8%	79
No	20.2%	20

answered question 99

skipped question 1

2. Have you ever worked on the construction or retrofitting of low energy buildings, for example on a passivehaus? [Create Chart](#) [Download](#)

	Response Percent	Response Count
Yes	54.5%	54
No	45.5%	45

answered question 99

skipped question 1

3. Over the past five years, have you noticed any change in practices on site in relation to how work is planned and carried out to facilitate low energy construction? [Create Chart](#) [Download](#)

	Response Percent	Response Count
Yes	67.0%	67
No	14.0%	14
I don't know	19.0%	19

If yes, please list briefly the changes you noticed <a href="#">Show Responses</a>	40
<b>answered question</b>	<b>100</b>
<b>skipped question</b>	<b>0</b>

4. Have you completed any training related to the construction or retrofitting of low energy buildings or installation of renewable technologies in buildings? [Create Chart](#) [Download](#)

	Response Percent	Response Count
<b>Yes</b>	<b>61.0%</b>	<b>61</b>
<b>No</b>	39.0%	39

If yes, please give details of the training you undertook  
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<b>answered question</b>	<b>100</b>
<b>skipped question</b>	<b>0</b>

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5. Please indicate the level of agreement or disagreement with the following statements. [Create Chart](#) [Download](#)

	Strongly agree	Agree	Neither agree or disagree	Disagree	Strongly disagree	Rating Count
<b>I am up to date with the current building regulations in regard to energy performance of buildings.</b>	29.3% (27)	<b>38.0% (35)</b>	19.6% (18)	10.9% (10)	2.2% (2)	92
<b>My co-workers have sufficient knowledge to implement the standards set by the regulations.</b>	11.1% (10)	27.8% (25)	<b>28.9% (26)</b>	26.7% (24)	5.6% (5)	90
<b>I have sufficient knowledge to implement the standards set by the regulations.</b>	28.6% (26)	<b>36.3% (33)</b>	20.9% (19)	12.1% (11)	2.2% (2)	91
<b>My co-workers have sufficient technical skills to implement the standards set by the regulations.</b>	15.6% (14)	<b>32.2% (29)</b>	27.8% (25)	17.8% (16)	6.7% (6)	90
<b>I have sufficient technical skills to implement the standards set by the regulations.</b>	34.1% (31)	<b>44.0% (40)</b>	13.2% (12)	6.6% (6)	2.2% (2)	91
<b>I am not responsible for implementing building regulations related to energy performance of buildings.</b>	9.8% (9)	15.2% (14)	21.7% (20)	<b>28.3% (26)</b>	25.0% (23)	92
<b>My co-workers know the current building regulations in regard to energy performance of buildings.</b>	10.1% (9)	24.7% (22)	<b>29.2% (26)</b>	28.1% (25)	7.9% (7)	89
<b>I don't have necessary technical skills to achieve the current energy performance standards.</b>	8.8% (8)	12.1% (11)	14.3% (13)	<b>37.4% (34)</b>	27.5% (25)	91
<b>My co-workers know the building regulations but they are not sure how to implement them.</b>	4.5% (4)	20.2% (18)	<b>34.8% (31)</b>	23.6% (21)	16.9% (15)	89
<b>I know the building regulations but I am not sure how to implement them.</b>	3.4% (3)	11.4% (10)	23.9% (21)	<b>34.1% (30)</b>	27.3% (24)	88
<b>I know what I need to do on site to achieve these standards but other crafts lack that knowledge.</b>	20.7% (18)	26.4% (23)	<b>35.6% (31)</b>	13.8% (12)	3.4% (3)	87

answered question 92



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6. In your opinion, what are the most important things for achieving low energy performance in buildings? Please choose the two most important answers.

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	Response Percent	Response Count
Cooperation between trades to ensure all building elements and services work together	50.6%	45
On-going inspections of the quality of work carried out	<b>56.2%</b>	<b>50</b>
Very detailed construction drawings	29.2%	26
Testing of the measures used on site, such as air tightness tests	39.3%	35
Suitability of the materials and systems	34.8%	31
Installation of renewable technologies, such as solar panels	25.8%	23
Client's knowledge of systems and materials	22.5%	20
Other	4.5%	4
Other (please specify) <a href="#">Show Responses</a>		4
<b>answered question</b>		<b>89</b>
<b>skipped question</b>		<b>11</b>

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7. Please indicate the level of agreement or disagreement with the following statements.

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	Strongly agree	Agree	Neither agree or disagree	Disagree	Strongly disagree	Rating Count
I would like to attend a training course to learn more about low energy building.	34.9% (30)	<b>45.3% (39)</b>	12.8% (11)	5.8% (5)	1.2% (1)	86
All construction workers should attend a basic training course (1-3 days) on how to achieve low energy builds/retrofits.	<b>45.3% (39)</b>	33.7% (29)	12.8% (11)	7.0% (6)	1.2% (1)	86
I don't need to attend basic energy training because I already have the necessary skills and knowledge.	17.6% (15)	10.6% (9)	20.0% (17)	<b>43.5% (37)</b>	8.2% (7)	85
I don't see a need for training on how to achieve low energy builds/retrofits.	4.7% (4)	1.2% (1)	7.1% (6)	<b>51.8% (44)</b>	35.3% (30)	85
Training for low energy building should be mandatory, like "Safe Pass".	25.9% (22)	<b>31.8% (27)</b>	23.5% (20)	12.9% (11)	5.9% (5)	85
Basic 'energy training' should be free of charge.	<b>48.8% (42)</b>	25.6% (22)	15.1% (13)	8.1% (7)	2.3% (2)	86
Basic 'energy training' should be delivered to groups made up of groups of similar trades only.	25.9% (22)	18.8% (16)	14.1% (12)	<b>31.8% (27)</b>	9.4% (8)	85
Basic 'energy training' should be delivered to groups containing mixed trades.	32.9% (28)	<b>38.8% (33)</b>	16.5% (14)	5.9% (5)	5.9% (5)	85
Basic 'energy training' should be delivered to groups containing mixed trades.	10.7% (9)	29.8% (26)	<b>32.1% (28)</b>	19.0% (16)	8.3% (7)	84

delivered in a classroom.	(25)	(27)	(16)			
Basic 'energy training' should be delivered on site.	21.2% (18)	<b>42.4% (36)</b>	28.2% (24)	5.9% (5)	2.4% (2)	85
Basic 'energy training' should be delivered on Saturdays.	21.4% (18)	29.8% (25)	<b>38.1% (32)</b>	3.6% (3)	7.1% (6)	84
Basic 'energy training' should be delivered in the evening.	14.3% (12)	21.4% (18)	<b>41.7% (35)</b>	11.9% (10)	10.7% (9)	84
Basic 'energy training' should be accessible locally.	<b>46.4% (39)</b>	42.9% (36)	9.5% (8)	1.2% (1)	0.0% (0)	84
The employer should pay for the basic 'energy training'.	8.3% (7)	9.5% (8)	<b>32.1% (27)</b>	20.2% (17)	29.8% (25)	84
The cost of the basic 'energy training' should be shared between the employer and employee.	6.0% (5)	21.7% (18)	<b>31.3% (26)</b>	15.7% (13)	25.3% (21)	83
The employee should pay part of the fee.	12.0% (10)	27.7% (23)	<b>30.1% (25)</b>	13.3% (11)	16.9% (14)	83
The employee should pay entire fee.	11.9% (10)	6.0% (5)	<b>28.6% (24)</b>	<b>28.6% (24)</b>	25.0% (21)	84
						<b>answered question</b>
						<b>skipped question</b>

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8. I would attend basic energy training if (please choose two most applicable answers):

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	Response Percent	Response Count
It would help me to be a better tradesman	<b>52.4%</b>	<b>44</b>
It would allow me to earn higher wages	15.5%	13
It would increase my job prospects	38.1%	32
It was mandatory	11.9%	10
It is free of charge	34.5%	29
I believe I need to learn more to do my job better	40.5%	34
I don't require any training	4.8%	4
Other	1.2%	1
Other (please specify)		2
		<a href="#">Show Responses</a>
		<b>answered question</b>
		<b>skipped question</b>

9. I would send my employees to basic energy training if (please choose two most applicable answers):

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	Response Percent	Response Count
It would help me to get more business in the future	48.8%	40
It is mandatory	8.5%	7
It is free of charge to me	42.7%	35

It would give my company a competitive advantage	42.7%	35
It would give my employees better skills and knowledge	52.4%	43
I would not voluntarily send any of my employees on such training	8.5%	7
Other	2.4%	2
Other (please specify) <a href="#">Show Responses</a>		3
<b>answered question</b>		<b>82</b>
<b>skipped question</b>		<b>18</b>

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10. Please tell us more about yourself.

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Gender

	Male	Female	Response Count
<b>Please select one option for each of the following headings</b>	<b>98.8% (80)</b>	<b>1.2% (1)</b>	

Age

	<25	25-34	35-44	45-55	>55	Response Count
<b>Please select one option for each of the following headings</b>	<b>3.8% (3)</b>	<b>10.0% (8)</b>	<b>35.0% (28)</b>	<b>37.5% (30)</b>	<b>13.8% (11)</b>	

Role on site

	General Operative	Craft worker	Site Supervisor	Site Manager	Other	Response Count
<b>Please select one option for each of the following headings</b>	<b>3.8% (3)</b>	<b>23.8% (19)</b>	<b>8.8% (7)</b>	<b>35.0% (28)</b>	<b>28.8% (23)</b>	

Craft background/role (choose all that apply)

	Carpenter/Joiner	Brick/Block and stone layer	Plasterer	Plumber	Electrician	None of the above	Other	Response Count
<b>Please select one option for each of the following headings</b>	<b>23.4% (18)</b>	<b>1.3% (1)</b>	<b>9.1% (7)</b>	<b>24.7% (19)</b>	<b>2.6% (2)</b>	<b>18.2% (14)</b>	<b>20.8% (16)</b>	

Employment status

	Employee	Employer	Self-employed	Unemployed	Response Count
<b>Please select one option for each of the following headings</b>	<b>12.8% (10)</b>	<b>26.9% (21)</b>	<b>57.7% (45)</b>	<b>2.6% (2)</b>	

Qualifications

	Apprentice (i.e. still undertaking training)	Qualified tradesman (i.e. formally qualified)	Time served tradesman (i.e. not	Diploma / BSc or other third level	Response Count

			formally qualified)	qualification
<b>Please select one option for each of the following headings</b>	0.0% (0)	31.6% (24)	19.7% (15)	<b>48.7% (37)</b>
			<b>answered question</b>	
			<b>skipped question</b>	<b>19</b>

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