





Building Envelope – working models











Workshop - super insulation







Different Construction Types





Timber frame wall

Different Construction Types







Solid block + external insulation



Building Services Workshop



Building Services – demonstration / testing



Building Services – working models











Practical Exam



Building Envelope

Construction – airtightness, insulation,

thermal bridging

Oral test - describe construction

Building Services (mechanical)

Construction – duct through wall, duct cutting, duct

assembly

Oral test – construction airtightness

describe

re



Conclusion 1:

Practical Training is Essential

- But this takes extra time + cost + space





Conclusion 2:

Mix of Both Public and Private Funding Needed for Training





Conclusion 3:

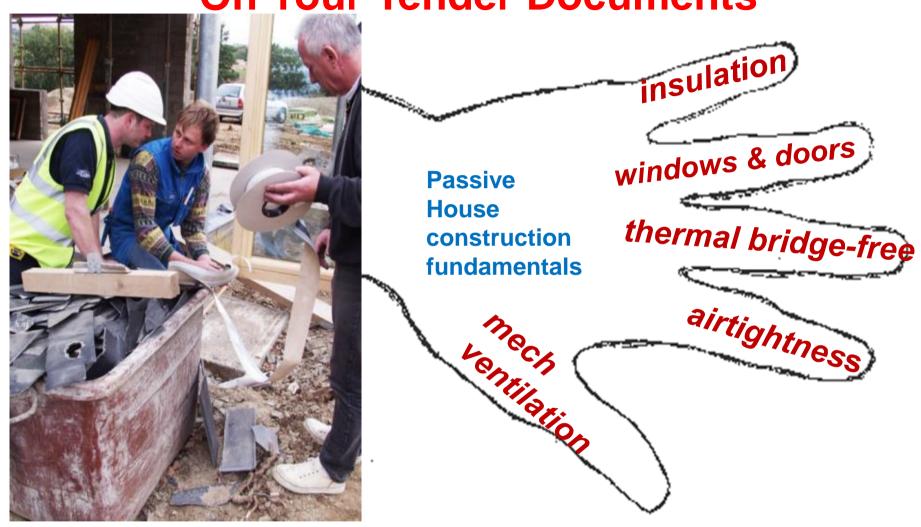
Need to Motivate the Construction Sector to Gear Up

OI

Table 2: Estimated numbers in the blue collar workforce requiring training to help meet 2020 energy efficiency targets

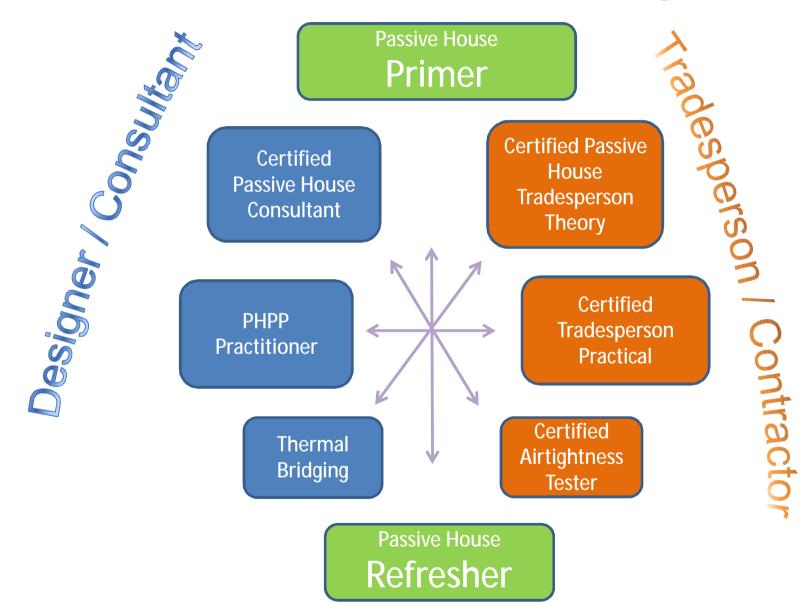
Occupation	Average score for new technology skills and knowledge	2020 Deficit	2012 Workforce	Estimate of training requirement 2012-2020
Construction and building trades nec	5.6	-2.9	227356	66000
Glaziers, window fabricators and fitters	5.7	-2.8	45270	12700
Plumbers; heating and ventilation engineers	5.8	-2.7	191140	52000
Construction operatives	5.8	-2.7	85510	23000
Roofers, roof tilers and slaters	6.5	-2.0	48258	10000
Bricklayers and masons	6.9	-1.6	12072	2000
Electricians and electrical fitters	7.1	-1.4	278662	39000
Carpenters and joiners	7.2	-1.3	218302	28000

Specify Passive House Tradespersons On Your Tender Documents



HANDwerker with 'thinking

Passive House Training





PHA Passive House Tradesperson Training London or the Midlands?

January 2014

Thank You!

Tomás O'Leary

tomas@passivehouseacademy.ie www.passivehouseacademy.ie

