



CLLAIM

TWI

**CLLAIM Final conference**

**Piloting professional profiles - Inspector**

**Creating knowLedge and skills in Additive Manufacturing**

Reference number: 2017-3309/591838-EPP-1-2017-1-ES-EPPKA2-SSA



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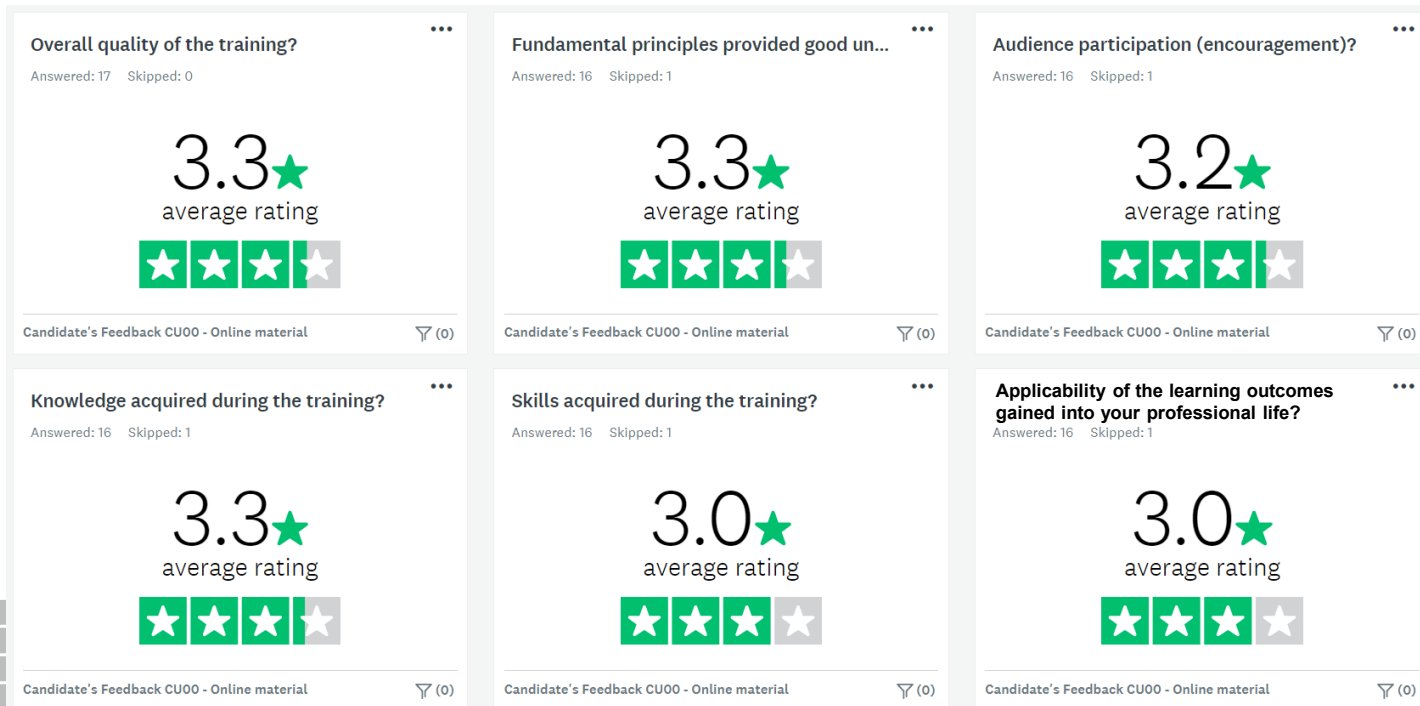
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of the European Union



# Metal AM inspector profile

## CU00 – AM Process overview

- Online material from TWI virtual academy
- In total **16 candidates** completed the material and provided feedback.
- Average score final assessment: **89%**

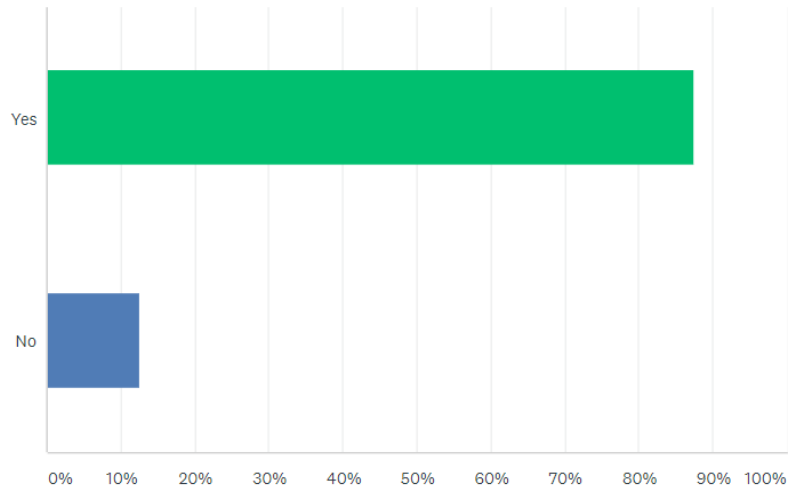


# Metal AM inspector profile

## CU00 – AM Process overview

Would you recommend this training program to your colleagues? ⋮

Answered: 16 Skipped: 1

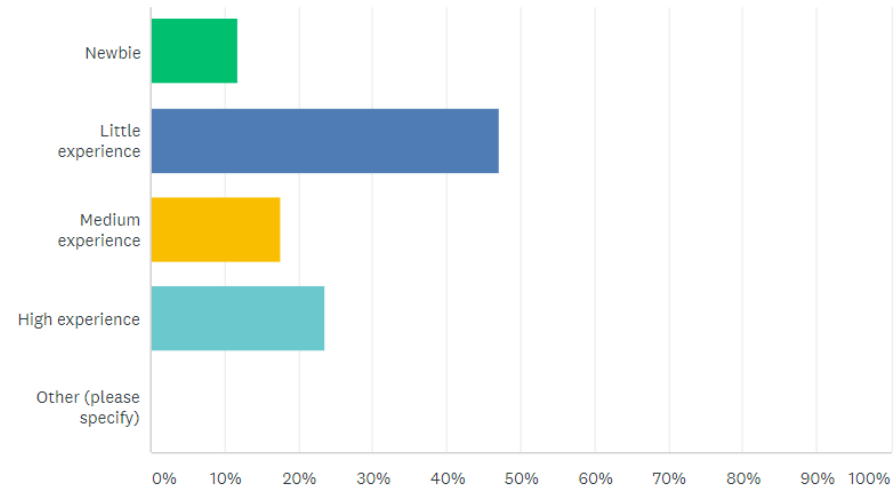


Candidate's Feedback CU00 - Online material

🔍 (0)

How would you rate your additive manufacturing experience before the course? ⋮

Answered: 17 Skipped: 0



Candidate's Feedback CU00 - Online material

🔍 (0)



# Metal AM inspector profile

## CU01: DED-Arc

- In total **22 candidates** completed the material and provided feedback.
- Average score final assessment: **89%**

### Feedback received:

‘All trainers very knowledgeable’

‘Well presented’

‘Participation aspect during the course – this kept me engaged.’

‘I really liked the audience participation. This was good in jogging out memories on what had been covered.’

‘The trainers were able to answer all questions and seemed to know their stuff. I liked that they allowed questions to be asked throughout’

# Metal AM inspector profile

## CU08: DED-LB

- In total **20 candidates** completed the material and provided feedback.
- Average score final assessment: **83%**

### Feedback received:

‘Knowledgeable presenters’

‘Well structured’

‘Interesting and engaging presenters.’

‘Good engagement with participants.’

‘Good coverage of topics.’

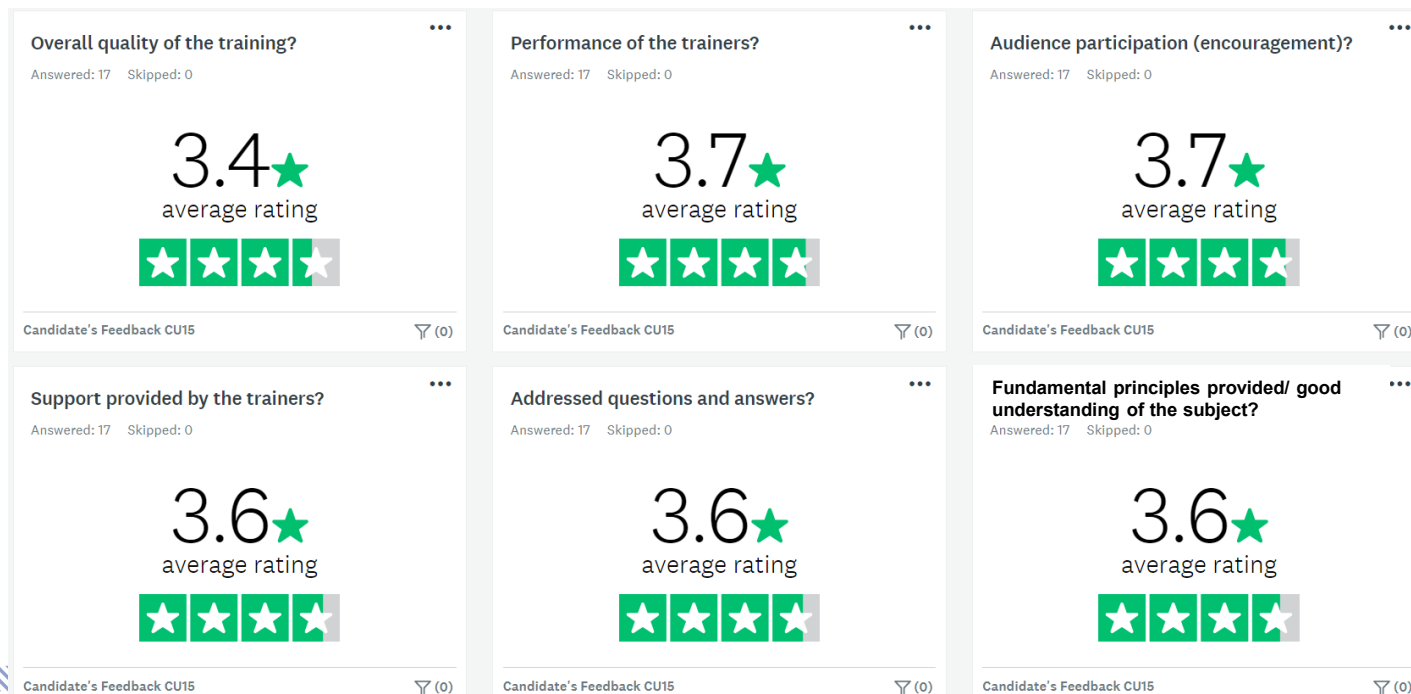
‘Professional & Unique to the marketplace’

‘It is very difficult to find process and practical information on DED processes. This is the most comprehensive course that I have come across for this area.’

# Metal AM inspector profile

## CU15: PBF-LB

- In total **17 candidates** completed the material and provided feedback.
- Average score final assessment: **81%**

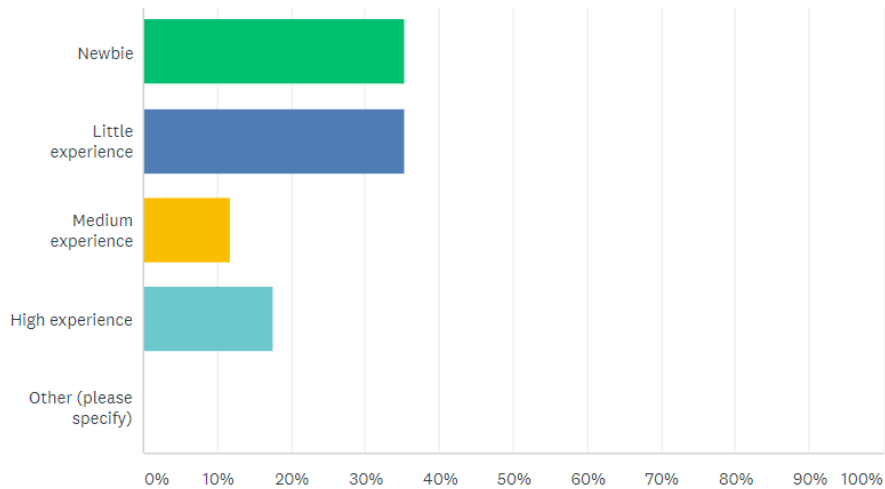


# Metal AM inspector profile

## CU15: PBF-LB

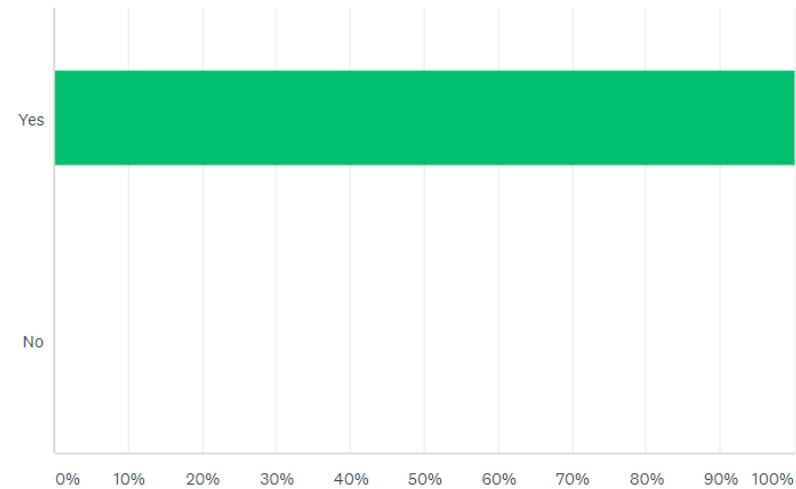
How would you rate your additive manufacturing experience before the course? ⋮

Answered: 17 Skipped: 0



Would you recommend this training program to your colleagues? ⋮

Answered: 17 Skipped: 0



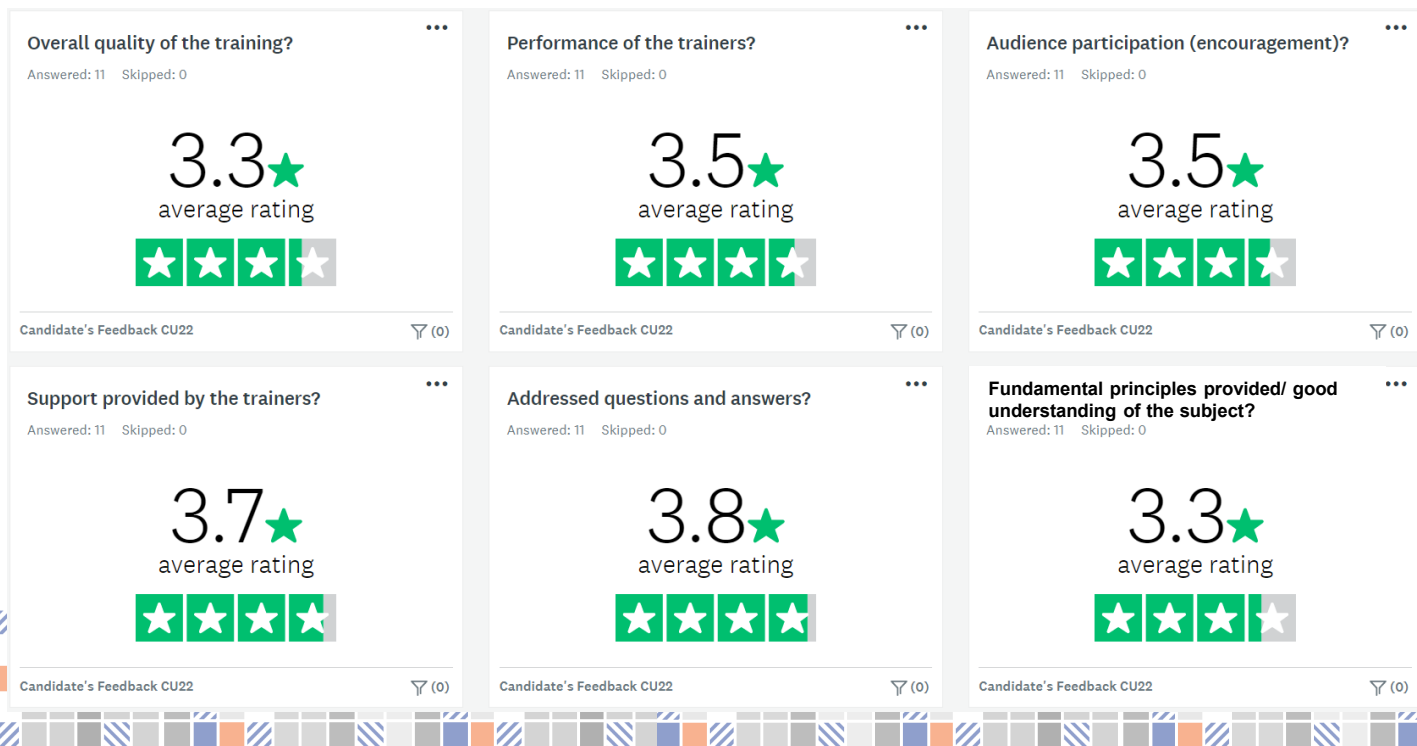
‘High quality product related to cutting edge technology’

‘Very interesting and expect it to be more popular in the future. I would advise my colleagues to train know, to be able to hit the ground running in the future.’

# Metal AM inspector profile

## CU22: PBF-EB

- In total **11 candidates** completed the material and provided feedback.
- Average score final assessment: **90%**



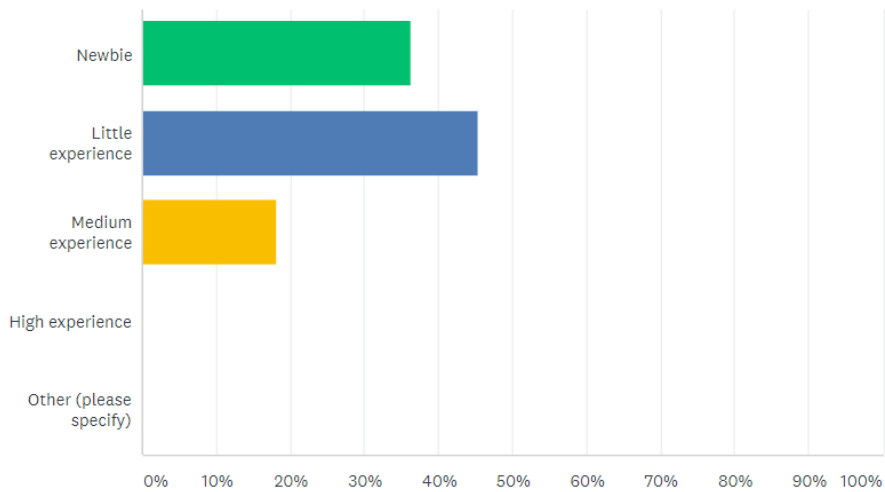


# Metal AM inspector profile

## CU22: PBF-EB

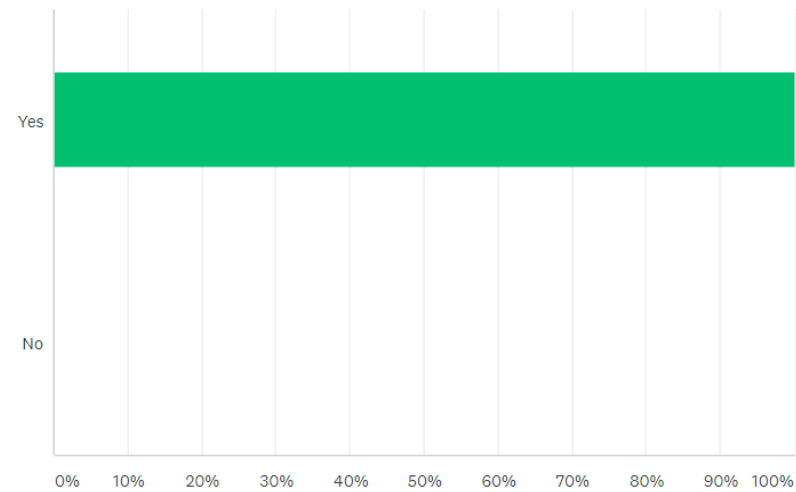
How would you rate your additive manufacturing experience before the course?

Answered: 11 Skipped: 0



Would you recommend this training program to your colleagues?

Answered: 11 Skipped: 0



Feedback received:

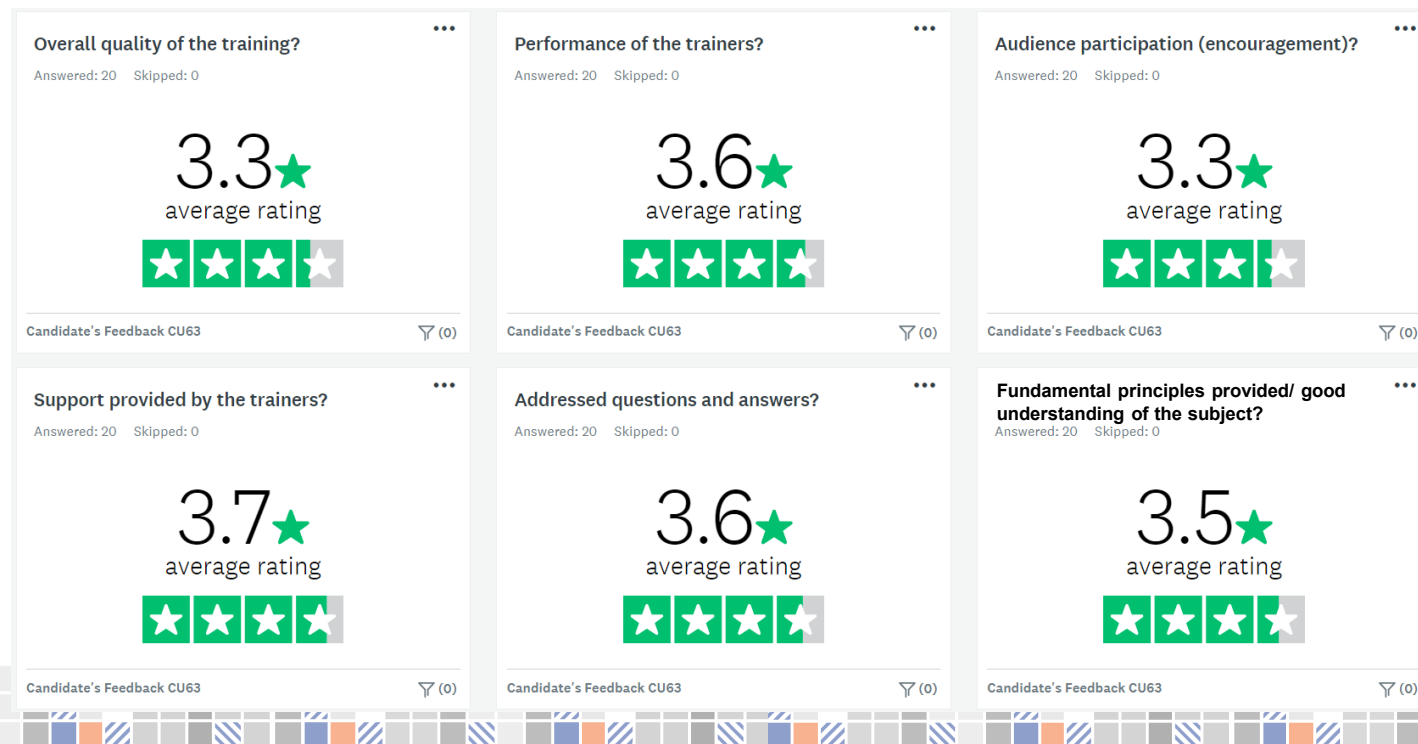
'Ability to show content of standards and specifications on screen.'

'Comprehensive, well delivered course'

# Metal AM inspector profile

## CU63: Quality assurance and quality control for inspection

- In total **20 candidates** completed the material and provided feedback.
- Average score final assessment: **85%**

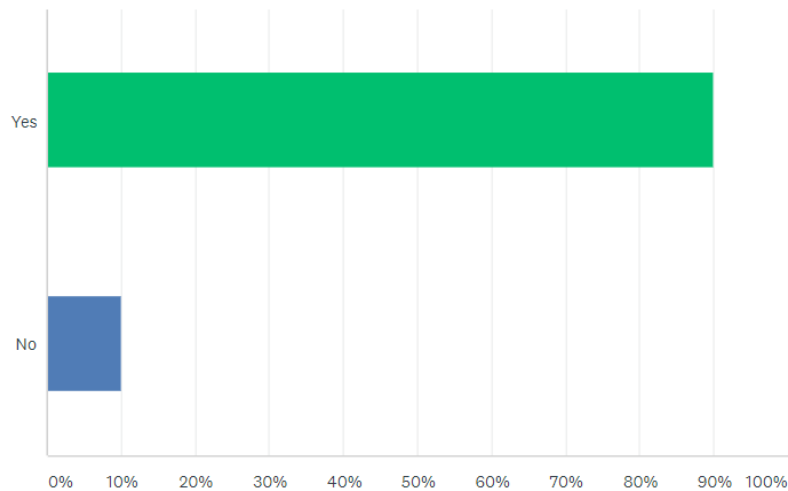


# Metal AM inspector profile

## CU63: Quality assurance and quality control for inspection

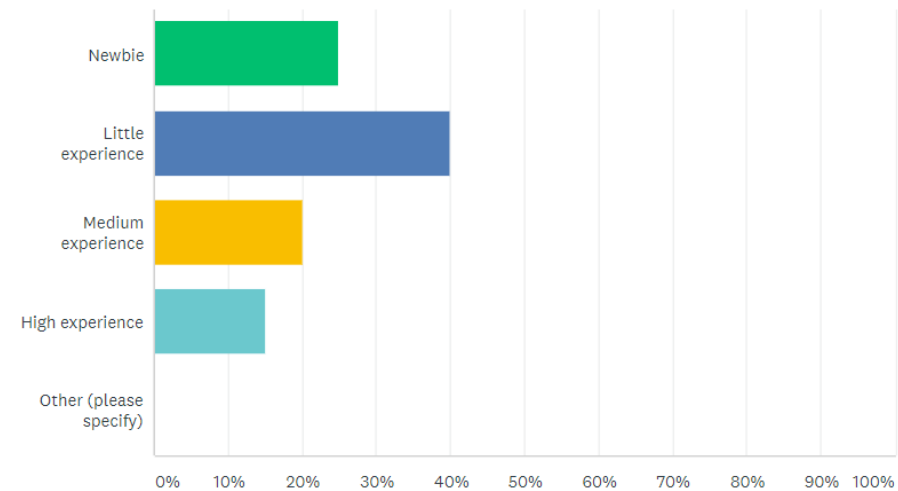
Would you recommend this training program to your colleagues?

Answered: 20 Skipped: 0



How would you rate your additive manufacturing experience before the course?

Answered: 20 Skipped: 0



### Feedback received:

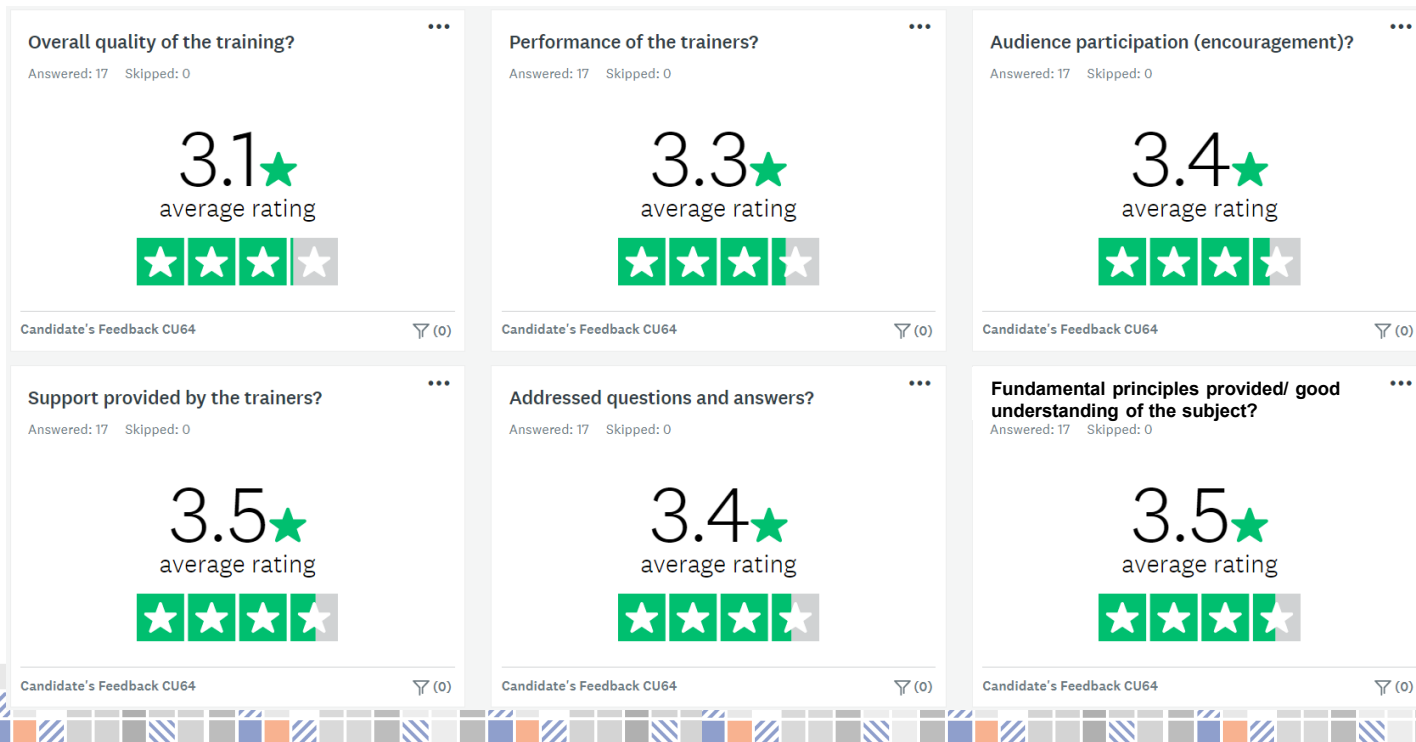
'Followed a sequential learning and excellent course delivery. Very high standards' 'Comprehensive, well delivered course'

'Clear guidelines and lesson plan for coverage'

# Metal AM inspector profile

## CU64: Inspection, examination and testing

- In total **16 candidates** completed the material and provided feedback.
- Average score final assessment: **78%**

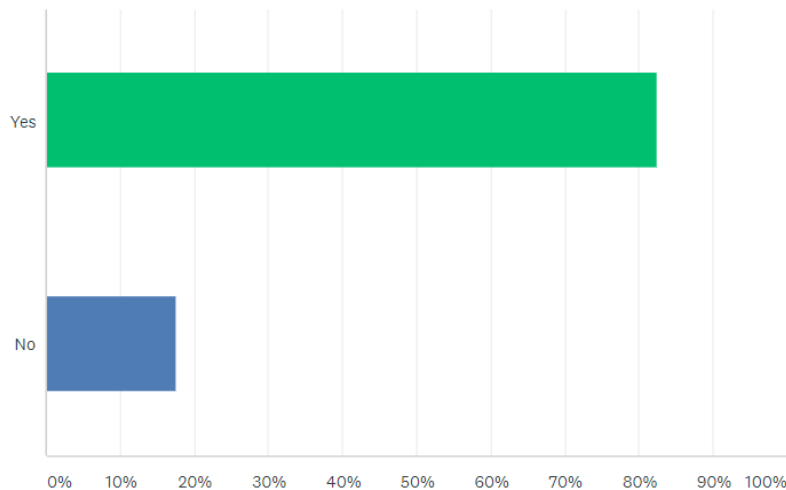


# Metal AM inspector profile

## CU64: Inspection, examination and testing

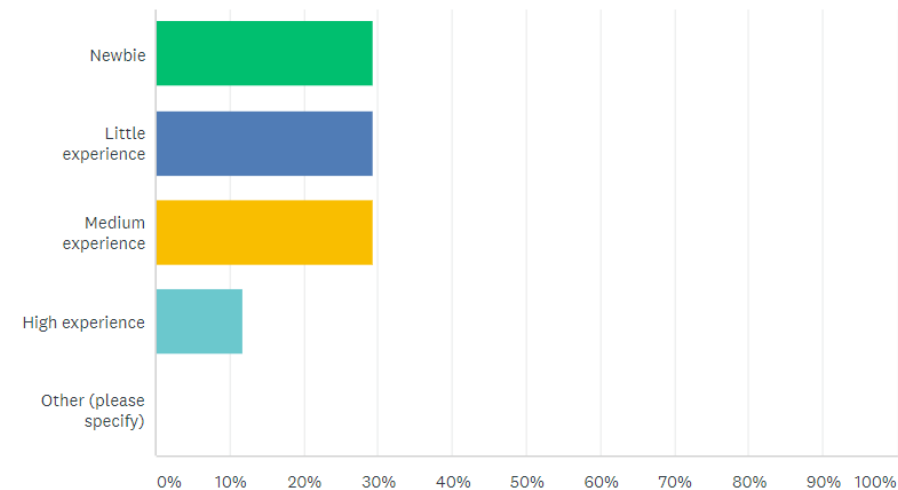
Would you recommend this training program to your colleagues?

Answered: 17 Skipped: 0



How would you rate your additive manufacturing experience before th...

Answered: 17 Skipped: 0



Feedback received:

‘Contained all the Key Technologies’

‘Gives you the required knowledge and competency towards additive manufacturing. Excellent insight overall covering processes, parameters, their effects, testing & certification.’

# Metal AM inspector profile

## RPL Pilots

- In total **4 candidates** completed the material and provided feedback.
- Average score final assessment:

CU	Set	Exam results (Average score)	Number of respondents
CU00	1	57%	4
CU15	1	86%	1
CU08	2	57%	1
CU01	1	93%	4
CU22	4	86%	1
CU22	3	89%	2
CU08	1	73%	1
CU22	2	79%	1
CU63	2	89%	1
CU01	2	71%	1

# Metal AM inspector profile

## RPL Pilots

Pilots evaluation	Average Rating
Guidance provided by the evaluator institution through the RPL process?	3.0
Understanding of the different phases of the RPL process?	3.0
Methodology used?	3.0
Effort to go through the RPL process?	3.0
Duration to go through the RPL process?	3.0
Usefulness of the process?	3.0
Quality of the technical interview?	4.0
Relevance of the technical interview?	3.0
Transparency of the process?	4.0

Project title: **C**reating know**L**edge and skills in **A**dditive **M**anufacturing  
Reference number: 2017-3309/591838-EPP-1-2017-1-ES-EPPKA2-SSA



# Thank you for your attention

Alicia Gonzalez



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