## ShoeLab Model Validation

Please answer the following questions based on the provided Shoe manufacturing As-ls model and ShoeLab case study model. Rate the ShoeLab model according to its ability to convey the facts proposed by each statement, the As-Is model is provided for reference only.
*Required

## Transportation

1. Production and retail are carried out in vicinity to the customer *

Mark only one oval.

| 1 | 2 | 3 | 4 | 5 |
| :--- | :--- | :--- | :--- | :--- |

Not clear $\qquad$
$\square$
$\square$ ○ $\square$ Very clear
2. Only raw materials travel long distances *

Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | Very clear |

3. Manufacturing and retail happen in the same place *

Mark only one oval.

|  | 1 | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ |

4. Data is used to determine where the closest manufacturing/service centre is in relation to the customer *
Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ |

5. Reliance on long transportation distances for raw materials, components, finished products and services is minimised in comparison to the As-Is model * Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | Very clear |

6. Comments or feedback on the Transportation section:

## Customer Involvement

7. Customer data can be captured during the design stage which can be used to personalise the product *
Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ | Very clear |  |

8. The customer's particular wearing behaviour data is processed as a source of revenue * Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ |
| Very clear |  |  |  |  |  |

9. The customer is a resource for the majority of functions *

Mark only one oval.

10. The customer can significantly customise and/or personalise the product *

Mark only one oval.

11. Depending on how the customer uses the product they will be provided with different services*
Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | Very clear |

## Circularity

13. A worn or damaged product can be used as raw material * Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ |  |
| Very clear |  |  |  |  |  |

14. Reparability and modularity are features of the product * Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | Very clear |

15. During the disposal stage the worn product can be taken back by the manufacturer * Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Not clear | $\square$ | $\square$ | $\square$ |  |  |

16. The product's materials have a reusable life cycle * Mark only one oval.

17. Comments or feedback on the Circularity section:
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Services

18. The relationship between the customer and manufacturer is continued after retail through services *
Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | Very clear |

19. A take-back scheme is available for end of life products *

Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | Very clear |

20. Data captured from the customer's wearing habits is processed for repairing and refashioning services*
Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :--- |
| Not clear | $\square$ | $\square$ | $\square$ | $\square$ | Very clear |  |

## General Model Feedback

21. Does the model take into consideration the most important variables that could affect its proper implementation?
Mark only one oval.YesNo
22. Are there any ShoeLab elements missing from the model?
23. How well does the model represent the ShoeLab use case?

Mark only one oval.

|  | 1 | 2 | 3 | 4 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Not well | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ |

24. How would you rate the difficulty encountered in understanding the model

Mark only one oval.

|  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | 5 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Very difficult | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ |

