

# SME QUESTIONNAIRE

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D.T1.1.2 Definition of the transnational tool  
for the analysis

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Final version  
06 08 2019

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**KEY**

Black with no markings: Mandatory questions

Blu: optional questions

**For all recipients**

1. Please state your company name (voluntary): \_\_\_\_\_

2. Please state your country of origin: \_\_\_\_\_

3. What is your company size?

employees	turnover / year	total balance / year	= company size
<input type="checkbox"/> up to 9	<input type="checkbox"/> up to 2 Mio€ / year	<input type="checkbox"/> up to 2 Mio€ / year	= smallest company
<input type="checkbox"/> up to 49	<input type="checkbox"/> up to 10 Mio€ / year	<input type="checkbox"/> up to 10 Mio€ / year	= small company
<input type="checkbox"/> up to 249	<input type="checkbox"/> up to 50 Mio€ / year	<input type="checkbox"/> up to 43 Mio€ / year	= middle size company
<input type="checkbox"/> more than 249	<input type="checkbox"/> more than 50 Mio€ / year	<input type="checkbox"/> more than 43 Mio€ / year	= large company

4. Please state what industrial sector **your company, your suppliers and customers** belong to

Industrial sector	NACE	your company	your suppliers	your customers	
				sector	% of your turnover
food products	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
aerospace	303	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
nautical industry, ships and boats	301	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
automotive	29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
Textile, clothing, footwear, fashion	13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
wood and furniture	31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
publishing activities	58	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
Plastics materials	22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
glass, ceramics, stone	23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
engineering and architectural activities	71	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
electrical equipment	27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
construction of buildings / plants	41	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
commerce & trade	46	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
tourism / catering	79	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
transport, logistics, warehousing, postal activities	49-53	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
computer, electronic and optical products	26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
Computer programming, consultancy and related actvts.	62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
mining	08	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
chemicals	20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
metal products, except machinery	25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
pharmaceutics	21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
medical devices	266	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
machinery and equipment	28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
railway locomotives and rolling stock	302	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
other transport equipment	30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
consumer goods	32	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
civil engineering	42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>



broadcasting activities	60	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
financial service activities	64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
scientific research and development	72	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
office administrative, office support and other business support	82	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
public administration	84	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
defence	8422	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
education	85	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
libraries, archives, museums and other cultural activities	91	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
other (please state): _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



5. How were your most important products and services developed (focus on the 3 most important products or services you offer on the market)? *[Multiple answers allowed]*

- |  |   |   |  |
|--|---|---|--|
| <input type="checkbox"/> Thanks to R&D investments   | <input type="checkbox"/> With support of the R&D office                               | <input type="checkbox"/> With support of the technical office | <input type="checkbox"/> With support of suppliers/customers                             |
| <input type="checkbox"/> Totally externally, with the support of partners of Universities/Research centers       | <input type="checkbox"/> With the support of design studios and engineering companies | <input type="checkbox"/> With the support of foreign partners | <input type="checkbox"/> Starting from a technology previously developed by a competitor |
| <input type="checkbox"/> Thanks to an improvement of technologies existing on the market, implemented internally | <input type="checkbox"/> Other (please state)   | <input type="checkbox"/> No development implemented           |  |

6. If you selected this answer → to what extent are you involving your customers into your product development?

- |  |   |  |  |
|--|---|--|--|
| <input type="checkbox"/> not at all  | <input type="checkbox"/> Input from sales is being used by engineering  | <input type="checkbox"/> Key account requirements are actively incorporated in the engineering of the products | <input type="checkbox"/> Requirements of as many customers as possible are actively incorporated into the engineering and manufacturing of the products. |
| <input type="checkbox"/> Customer requirements are systematically documented and integrated throughout the engineering, manufacturing and servicing steps of the products. | <input type="checkbox"/> All customer requirements are continuously kept up-to-date to be used throughout all engineering, manufacturing and servicing processes in order to obtain the highest possible value solution for each individual customer. | <input type="checkbox"/> by exploiting digital usage data generated by the customer                            | <input type="checkbox"/> Co-creation techniques  |
| <input type="checkbox"/> the customer himself designs the product  |   |  |  |



**7. R&D and Technical staff**

<b>Total Staff in R&amp;D office</b>	
Staff in R&D office with University degree (BA as minimum)	
Staff in R&D office with PhD	
<b>Total Staff in in technical office</b>	
Staff in technical office with University degree (BA as minimum)	
Staff in technical office with PhD	

**8. Did you participate in funded projects in research and innovation in the past?**

No                     
  Yes – EU                     
  Yes – Country level                     
  Yes – Regional level  
 Yes – Other (please state)

**9. Innovation eco system integration**

#	0	1-5	5-10	10-20	20-50	> 50
Involvements in public funded projects (European, national, regional, ...) in the last 5 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ongoing number of cooperations with research labs, universities, cluster initiatives and associations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**10. What is the percentage of labor costs on the total expenses?**

.....

**11. What is the percentage of workers from external labor agencies or external contract on total staff?**

.....

**12. Your role**

Are you rather end user or supplier of industry-4.0 products and services?

→ End user: go to question n. 13

→ Supplier: go to question n. 18



## For End Users of Industry 4.0 technologies

### 13. Level of Adaption of Industry 4.0 Technologies:

To what extent are you **currently using** Industry-4.0 methods & technologies?

method/technology	no usage at all	few usage	good extent	very intense use
1. autonomous robots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. simulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. horizontal and vertical systems integration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. industrial internet of things Sub-topics on: - Connected shop floor: Shop floor entities are connected to enable data exchange. - Transparent view on shop floor status: Real-time production data are used for optimisation and decision making.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Cyber Security Suptopics on: Secure digital infrastructure: Security information and event management systems safeguard a continuous & smooth manufacturing operation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. cloud technologies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. additive manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. augmented reality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. big data and analytics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 14. What is your motivation for the digital transformation?

	I don't agree	I partly agree	I mostly agree	I fully agree
1. Our business model changes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. We adapt existing products and services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. We offer new products and services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. New markets, new business areas evolve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. New customers occur	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Materials usage: The company reduces material consumption through product and manufacturing optimisation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Managing quality & robustness: Prevention and correction actions, product and service changes, transfer processes and manufacturing feasibility tests are all documented and feed into KPI's for new products, processes and services.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. We remove existing products and services from the market.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Internal innovation (internal renewal, change and adaption) is fostered.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 15. Do you have a strategy for your digital transformation?

	I don't agree	I partly agree	I mostly agree	I fully agree
1. Roadmap for Industry 4.0 realization available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Central coordination of Industry 4.0 activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Financial resources to realize Industry 4.0 available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Communication of Industry 4.0 activities ongoing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



5. Employee objectives to realize Industry 4.0 defined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Risk assessment for Industry 4.0 available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Willingness of managers to realize Industry 4.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Manager trainings for Industry 4.0 available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Mastering the digital transformation: The digital transformation is managed and forms a part of the company's DNA.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Rules, regulation and standards: The company actively deals with both existing as well as new rules, regulations and standards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Innovation strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Industry-4.0 technology strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Investment strategy including budget	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Other (please state):	<hr/>			
15. Can you state a total budget (in EUR per year)?	<hr/>			

16. Needs of Industry 4.0 Technologies:

To what extent are you **planning to use** Industry-4.0 methods & technologies and when?

method/technology	1. desired intensity of use				2. planned time of start of use				3. foreseen investment budget	
	no usage planned	few usage	good extent	very intense use	now	1-2 years	3-5 years	longer	in % of total investments	in €
1. autonomous robots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
2. simulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
3. horizontal and vertical systems integration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
4. industrial internet of things	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
5. cybersecurity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
6. cloud technologies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
7. additive manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
8. augmented reality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
9. big data and analytics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>

17. Are your **employees prepared** for the digital transformation?

	I don't agree	I partly agree	I mostly agree	I fully agree
1. Openness to new technologies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Competence with modern ICT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Awareness of non-IT-employees for meaning and value of digital data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Awareness of non-IT-employees for cyber security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Willingness to flexibilize work arrangements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Autonomy of shop floor workers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Willingness for interdisciplinary work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Willingness for continuous training, education and qualification towards industry 4.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. We know our employees' digital competences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

→ If you are also a supplier of I4.0 technologies, go to question 18

→ If you are not a supplier of I4.0 technologies, go to question 20



## For Suppliers of Industry 4.0 technologies

18. To what extent are you **currently** offering Industry-4.0 products and / or services?

method/technology	1. range of offers				2. type of offer	
	no offer at all	few offers	good extent	wide range of offers	discrete products	services
1. autonomous robots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. simulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. horizontal and vertical systems integration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. industrial internet of things	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. cybersecurity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. cloud technologies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. additive manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. augmented reality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. big data and analytics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

19. To what extent are you **planning to offer** Industry-4.0 products & services **and when?**

Are you interested in industrial testbeds for your new I4.0 products & services?

method/technology	1. desired range of products, services				2. TRL*	3. planned time of launch				4. testbed welcome
	no offer planned	few offers	good extent	wide range of offers		now	1-2 years	3-5 years	longer	
1. autonomous robots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. simulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. horizontal and vertical systems integration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. industrial internet of things	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. cybersecurity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. cloud technologies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. additive manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. augmented reality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. big data and analytics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\*TRL (Technology Readiness Level) is an index used to assess the level of readiness of technology, according to this scale :1 (definition of basic principles); 2 (technology concept formulated); 3 (experimental testing of concept); 4 (technology validated in laboratory); 5 (technology validated in real space environment); 6 (technology demonstrated in real space environment); 7 (prototype of the system demonstrated in operative environment) ;8 (system complete and qualified); 9 (system tested in operative environment).To this scale we have added value 10 to indicate technologies already in production.





## For all recipients

20. You can use the space below, if you have additional comments on the survey or on Industry 4.0:

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21. Contact person: \_\_\_\_\_

22. Email: \_\_\_\_\_