## Izvješće/Final report – feasibility study

The final report must be prepared on the basis of the form below and must be prepared in English.

1. **BASIC INFORMATION**

|  |
| --- |
| **Production oriented SME** |
| **Organization:** |
| Name |  |
| Address |  |
| Country |  |
| **Website and social media:** |
| Website: |  |
| Social media (Facebook): |  |
| Social media (Twitter): |  |
| Social media (LinkedIn): |  |
| Social media (Google+): |  |
| Other: |  |
| **Contact details:** |
| Name |  |
| Tel. |  |
| E-mail: |  |
| **Market sectors:** | Select one or more sectors the organization is focusing to:[ ]  Aeronautics industries [ ]  Automotive industry [ ]  Biotechnology [ ]  Chemicals [ ]  Construction [ ]  Cosmetics [ ]  Defense industries[ ]  Digital economy[ ]  Electrical and electronic engineering industries [ ]  Food industry[ ]  Gambling[ ]  Healthcare industries[ ]  Maritime industries[ ]  Mechanical engineering[ ]  Medical devices[ ]  Postal services[ ]  Pressure equipment and gas appliances[ ]  Raw materials, metals, minerals and forest-based industries [ ]  Social economy[ ]  Space[ ]  Textiles, Fashion and creative industries [ ]  Tourism [ ]  Toys OTHER (Please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Services provided:** | Select one or more services provided by the Organization:[ ]  Consulting[ ]  Education/Training[ ]  Engineering[ ]  Manufacturing[ ]  Policy[ ]  Research and development[ ]  Services OTHER (Please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |
| --- |
| **Smart Factory solution provider** |
| **Organization:** |
| Name |  |
| Address |  |
| Country |  |
| **Website and social media:** |
| Website: |  |
| Social media (Facebook): |  |
| Social media (Twitter): |  |
| Social media (LinkedIn): |  |
| Social media (Google+): |  |
| Other: |  |
| **Contact details:** |
| Name |  |
| Tel. |  |
| E-mail: |  |
| **Type of organization:** | Select one from the following:[ ]  Business support organization[ ]  Development agency[ ]  Large company[ ]  Ministry/Government/State agency[ ]  R&D[ ]  SME[ ]  University[ ]  University incubatorOTHER (Please specify):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Market sectors:** | Select one or more sectors the organization is focusing to:[ ]  Aeronautics industries [ ]  Automotive industry [ ]  Biotechnology [ ]  Chemicals [ ]  Construction [ ]  Cosmetics [ ]  Defense industries[ ]  Digital economy[ ]  Electrical and electronic engineering industries [ ]  Food industry[ ]  Gambling[ ]  Healthcare industries[ ]  Maritime industries[ ]  Mechanical engineering[ ]  Medical devices[ ]  Postal services[ ]  Pressure equipment and gas appliances[ ]  Raw materials, metals, minerals and forest-based industries [ ]  Social economy[ ]  Space[ ]  Textiles, Fashion and creative industries [ ]  Tourism [ ]  Toys OTHER (Please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Services provided:** | Select one or more services provided by the Organization:[ ]  Consulting[ ]  Education/Training[ ]  Engineering[ ]  Manufacturing[ ]  Policy[ ]  Research and development[ ]  Services OTHER (Please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

1. **PROBLEM PROFILE**

*Present the problem that has been solved (descriptively with concrete descriptions of the problem, concrete data on the type of problem (costs, quality, quantity, ...) and with pictures (min 1 page).*

1. **SMART SOLUTION PROFILE**

*Briefly describe how this problem could be solved - with which solution*

* 1. **BASIC INFORMATION ABOUT THE SMART SOLUTION**

|  |  |
| --- | --- |
| **Smart factory solution name (if existing):** what is the name that captures the essence of the solution |  |
| **Product/Solution webpage:** |  |
| **Keywords:** |  |
| **Other examples of solution usage:** |  |
| **Improvement areas covered by the Product/Solution:** | Select the improvement area:[ ]  Implementation of the novel technology[ ]  Implementation in the production processes[ ]  Implementation of the human resource management systems |
| **Product/Solution is related to the following type of implementation:** | Select one or more areas improved by the Product/Service implementation:[ ]  Improved coordination with suppliers[ ]  Increased speed of production operations[ ]  Decreased manufacturing costs[ ]  Lower energy costs[ ]  Improved information for production decisions[ ]  Improved agility and responsiveness in the production process[ ]  Improved product quality[ ]  Improved coordination with customers[ ]  Improved compliance with customer specs or regulatory requirements[ ]  Improved maintenance/uptime[ ]  Improved information for business analytics[ ]  Improved remote monitoring capabilities[ ]  Improved safety[ ]  Developed visualization capabilities |
| **Market availability:** |  |
| **Product/service technological focus:** | Select one or more technologies that the product/service is addressing:AGRICULTURE AND MARINE RESOURCES [ ]  Agriculture[ ]  Resources of the Sea, Fisheries[ ]  Silviculture, Forestry, Forest technologyAGROFOOD INDUSTRY [ ]  Food quality and safety[ ]  Micro- and Nanotechnology related to agrofood[ ]  Technologies for the food industryBIOLOGICAL SCIENCES [ ]  Biology / Biotechnology[ ]  E-Health[ ]  Genome Research[ ]  Industrial Biotechnology[ ]  Medicine, Human Health[ ]  Micro- and Nanotechnology related to Biological sciencesELECTRONICS, IT AND TELECOMMS [ ]  Electronic circuits, components and equipment[ ]  Electronics, Microelectronics[ ]  Information Processing & Systems, Workflow[ ]  IT and Telematics Applications[ ]  Multimedia[ ]  Telecommunications, NetworkingENERGY Biogas and anaerobic digestion (AD)[ ]  Carbon capture and energy[ ]  Energy efficiency[ ]  Energy production, transmission and conversion[ ]  Energy storage and transportFossil Energy Sources[ ]  Nuclear Fission / Nuclear Fusion[ ]  Other Energy Topics[ ]  Renewable Sources of EnergyINDUSTRIAL MANUFACTURING, MATERIAL AND TRANSPORT [ ]  Aerospace Technology[ ]  Construction Technology[ ]  Design and Modelling / Prototypes[ ]  Industrial Manufacture[ ]  Materials Technology[ ]  Packaging / Handling[ ]  Plant Design and Maintenance[ ]  Process control and logistics[ ]  Traffic, mobility[ ]  Transport and Shipping Technologies[ ]  Transport InfrastructureMEASUREMENTS AND STANDARDS [ ]  Amplifier, A/D Transducer[ ]  Electronic measurement systems[ ]  Measurement Tools[ ]  Recording Devices[ ]  Reference Materials[ ]  StandardsOTHER INDUSTRIAL TECHNOLOGIES[ ]  Other Industrial Technologies PHYSICAL AND EXACT SCIENCES [ ]  Chemistry[ ]  Meteorology / Climatology[ ]  Micro- and Nanotechnology[ ]  Physics[ ]  Separation TechnologiesPROTECTING MAN AND ENVIRONMENT [ ]  Environment[ ]  Safety[ ]  Waste Management[ ]  Water ManagementSOCIAL AND ECONOMICS CONCERNS [ ]  Citizens participation[ ]  Creative products[ ]  Creative services[ ]  Education and Training[ ]  Information and media, society[ ]  Infrastructures for social sciences and humanities[ ]  Socio-economic models, economic aspects[ ]  Sports and Leisure[ ]  Technology, Society and Employment |

* 1. **SOLUTION DESCRIPTION AND IMPLEMENTATION PROPOSAL**

**Solution description:** *Provide a concise description of the solution being proposed for solving the problem (provide text, photos, additional data) (min. 1 page).*

**Solution implementation proposal:** *Provide a concise description of how the proposed solution should be implemented in the concrete production (provide text, photos, additional data) (min. 1 page).*

**Other relevant information about the product/service:**

Attachment1: Company logo

Attachment 2: Product presentation

Attachment 3: Video about SF solution

1. **ACTIVITIES PERFORMED**

*Describe the course of the entire operation:*

* *when it started and when it ended,*
* *who was involved (which persons by function and their expertize),*
* *what was the work process (meetings, workshops, training, education, demonstration, pilot implementation, etc.)*
* *add images of the activities performed*

*(min. 1 page)*

1. **BUSINESS MODELING**

*Provide business model data about the proposed solution implementation, through provision of following information:*

* *INVESTMENT: Analysis of the investment for solution implementation (infrastructure, equipment, material, workforce, external services, training ….)*
* *OPERATIONAL COSTS: Analysis of operational costs in relation to long-term operation*
* *IMPACT analysis: cost-benefit or other analysis showing the benefits of the smart solution for the production in terms of financial outcome (savings) and other improvements stated in section 3.1*

*(min 1. Page)*

1. **TECHNOLOGY TRANSFER ASSESSMENT**

*Please answer following questions as detailed as possible:*

1. *Are you planning to continue on implementation of the smart factory solution into your production system? Please explain your decision and future plans / reasons.*
2. *Were there any challenges in collaboration with the Smart factory solution provider?*
3. *What are your most important challenges and limitations in getting your production system digitized or upgraded with ‘’smart solutions’’?*
4. *What are the key takeaways (lessons learned) for further cooperation with smart manufacturing solution providers, based on the experience you had during this process?*
5. *What kind of skills and expertise is necessary in your organization in order to be able to speed up the process of digitalization?*
6. *In general, have you been satisfied with the overall process of collaboration and technology transfer? Would you improve something?*