**DOCUMENT TITLE:**

# TRANSREGIONAL VOUCHER SCHEME

**Project: Improving RD and business policy conditions for transnational cooperation in the manufacturing industry**

**Acronym: Smart Factory Hub**

| | |
|---|---|
| Work package | WP6: Pilot-instrument & model |
| Activity | A 6.1: Transfer Lab pilot – Trans regional Smart factory voucher scheme |
| Deliverable | D 6.1.4 Trans-regional voucher scheme reports |
| Date of issue | 3. 9. 2018 |
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| Contributors | NA |
| Version | D0.2 |
| Number of Pages | 22 |

# TARGET GROUP ASSESSMENT

Has this deliverable addressed any of the target group indicated in the application form?

Yes / **No**

If yes, please describe the involvement of each individual target group in the table below.

| Target group | Number reached by the deliverable | Description of target group involvement |
|---|---|---|
| SME | | |
| Regional public authority | | |
| National public authority | | |
| Higher education and research | | |
| Business support organisation | | |

# Kazalo

www.interreg-danube.eu/Smart-Factory-Hub

# 1 Naziv javnega poziva

Javni poziv za **Uvajanje pametnih in inovativnih rešitev v sklopu projekta SMART FACTORY HUB.**

# 2 Izvajalec javnega poziva - Naročnik

Pomurski tehnološki park d.o.o. (v nadaljevanju »naročnik«), Plese 9a, 9000 Murska Sobota, na osnovi spodaj opredeljenih pogojev vabi vse zainteresirane, da na priloženem obrazcu podajo ponudbo za izvedbo storitev demonstracijskega projekta, kot sledi v nadaljevanju:

# 3 Namen, cilj in predmet javnega poziva

Javni poziv za izbor storitev demonstracijskega projekta se izvaja v okviru transnacionalnega programa Podonavje, izvedba aktivnosti v okviru projekta SMART FACTORY HUB in sicer:
- Delovni sklop WP6: Pilot-instrument & model, Aktivnost A6.1: Transfer Lab pilot – Trans regional Smart factory voucher scheme.

## 3.1 Namen in cilji javnega poziva

Namen javnega poziva je uvajanje pametnih in inovativnih rešitev v proizvodne procese s testiranjem **med-regionalne voucherske sheme**, ki omogoča podporo med-regionalnega prenosa pametnih rešitev (t.i. Smart manufacturing) v domača proizvodno usmerjena mikro, mala in srednje velika podjetja (MSP).

**Cilj poziva je izboljšati učinkovitost proizvodno usmerjenih mikro, malih in srednjih podjetij, preko uvajanja pametnih in inovativnih tehničnih rešitev v proizvodne procese, ki v okviru demonstracijskih projektov kažejo izboljšave na področjih (1) stroškovne učinkovitosti, (2) zagotavljanja kakovosti in (3) obvladovanja tveganja, ter s tem posledično spodbujati prehod v Industrijo 4.0.**

## 3.2 Predmet javnega poziva

Predmet javnega poziva je pokrivanje stroškov izvedbe demonstracijskega projekta, ki ga izvedeta v Sloveniji registrirano proizvodno usmerjeni MSP in nosilec rešitve – organizacija s sedežem v tujini.

Predmet demonstracijskega projekta so pametne in inovativne rešitve, ki spadajo vsaj v eno od spodaj navedenih področij:

| | | |
|---|---|---|
| A | **Solutions to increase efficiency of production processes** | Solutions linked to production processes, such as ERP (Enterprise Resource Planning) and MES (Manufacturing Execution System) based solutions. Those are increasing efficiency, quality and control at the level of the production floor or the company as a whole (including supply chain, KPIs, planning, …). |
| B | **Solutions for effective human resource management systems** | Solutions linked to managing internal resources, such as resource management and allocation, skill and performance management, training administration, etc. |
| **C - Novel technologies:** | | |
| 1 | **Smart supply network** | Smart Supply network allow transparency over supplier inventories and vehicle logistics for automatic and optimized supply decisions. |
| 2 | **Next-gen manufacturing systems** | Next-gen manufacturing systems make automated and smart decisions (e.g. production scheduling), offer intelligent machine applications, seamless engineering integration and allow for remote visualization, monitoring, control, alerts, production scheduling and execution. |
| 3 | **Cloud storage / processing** | Cloud storage/processing offer data storage and application processing on secure cloud servers. |
| 4 | **Data analytics** | Data analytics is based on advance decision algorithms & real-time analytics. |
| 5 | **Cybersecurity** | Cybersecurity offer encrypted data and protection mechanisms against cyber threats. |
| 6 | **Intelligent sensors/actors** | Intelligent sensors/actors are deeply integrated in machines, wirelessly stream data and have an own analytics engine (edge analytics). |
| 7 | **Cyber physical systems** | Cyber physical systems are interconnected systems and social machines that control physical entities. |
| 8 | **Smart maintenance** | Smart maintenance of machines becomes integrated (autonomous) aided by predictive algorithms and remote assistance systems. |
| 9 | **Mobile workforce** | Mobile workforce equips workers with mobile devices and augmented reality devices to process real-time information. |
| 10 | **Self-driving vehicles** | Self-driving vehicles make possible that material is handled via autonomous vehicles and intelligent transportation units. |
| 11 | **Intelligent products** | Intelligent products carry relevant information for machines to make decisions. |
| 12 | **Additive manufacturing** | Additive manufacturing offer 3D printing that allows rapid prototyping and rapid spare part printing. Technologies turn more and more to real products with new design |
| 13 | **Robotics** | Robotics offer use of flexible robots augments intelligence, automates certain processes and creates new forms of worker-robot interaction. |
| 14 | **Advanced materials** | Advanced materials are new materials such as nanomaterials as well as integrated computational materials engineering (ICME). |
| 15 | **Responsive manufacturing** | Responsive manufacturing are individual manufacturing steps that are designed for customer interaction so that product can be tailor-made for customers. |
| 16 | **Physical and cognitive assistance** | Physical and cognitive assistance provides optimized assistance for the worker in the factory, such as Physical (e.g. Robots, Exo skeletons..) and cognitive (e.g. via Handhelds, Voice) |

Prijavljeni demonstracijski projekt mora rezultirati učinke: (1) stroškovne učinkovitosti, (2) zagotavljanju kakovosti in (3) obvladovanju tveganja, ter s tem posledično spodbujati prehod v Industrijo 4.0.

# 4 Pogoji za kandidiranje

1. Vloga mora biti konzorcijska, v kateri nastopa en partner kot »prijavitelj« in drugi partner kot »nosilec rešitve«.

2. PRIJAVITELJ je lahko le proizvodno usmerjeno mikro, malo ali srednje veliko podjetje[1], ki je organizirano kot pravna ali fizična oseba, ki se ukvarja z gospodarsko dejavnostjo v Republiki Sloveniji in je organiziran kot gospodarska družba ali samostojni podjetnik posameznik s poslovnim naslovom v Republiki Sloveniji.

3. NOSILEC REŠITVE je lahko le pravna oseba s sedežem v Avstriji, Nemčiji, Madžarski, Slovaški, Hrvaški, Srbiji, Romuniji, Bolgariji ali na Češkem (območje transnacionalnega programa Podonavje[2], oziroma področje projekta Smart Factory Hub)

4. Prijavitelj ni kapitalsko ali kakorkoli drugače lastniško ali upravljavsko povezan s predlaganim nosilcem rešitve

5. Prijavitelj lahko na predmetni javni razpis kandidira samo z eno vlogo. V kolikor prispe več vlog istega Prijavitelja, se obravnava le prvo prispelo vlogo, ostale pa se zavržejo.

# 5 Pogoji za izvedbo demonstracijskega projekta

Demonstracijski projekt mora biti skladen z namenom in predmetom javnega poziva.

Cilj demonstracijskega projekta je rešiti konkreten problem, ki ga ima proizvodno usmerjeno podjetje in mora rezultirati učinke: (1) stroškovne učinkovitosti, (2) zagotavljanje kakovosti in (3) obvladovanje tveganja, ter s tem posledično spodbujati prehod v Industrijo 4.0.

Potrebni koraki za izvedbo demonstracijskega projekta:
1. partnerja definirata problem ki ga želita rešiti v projektu oziroma proizvodnji
2. partnerja predstavita predlog rešitve z učinki na: (1) stroškovno učinkovitost, (2) zagotavljanje kakovosti, (3) obvladovanje tveganja,
3. partnerja izvedeta demonstracijski projekt,
4. partnerja pripravita poročilo na osnovi predstavljenega obrazca v tej razpisni dokumentaciji in analizirata pozitivne učinke demonstracijskega projekta.

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[1] Velikost podjetja se določi v skladu s Prilogo I Uredbe Komisije (EU) št. 651/2014, ki je dostopna na http://eur-lex.europa.eu/legal-content/SL/TXT/?uri=CELEX%3A32014R0651
[2] http://www.interreg-danube.eu/about-dtp/participating-countries

# 6 Merila za ocenjevanje vlog in postopek izbora

## 6.1 Merila za ocenjevanje vlog

Postopek poziva bo vodila strokovna komisija imenovana s strani odgovorne osebe naročnika (v nadaljevanju: strokovna komisija).

Vse pravočasne vloge strokovna komisija oceni na podlagi meril podanih v poglavju 13.

V postopek ocenjevanja vlog se bodo uvrstile le pravočasno oddane vloge.

V primeru, da Prijavitelj odstopi od podpisa ali če se pogodba ne sklene v predpisanem roku, se financiranje odobri naslednji vlogi glede na doseženo oceno.

## 6.2 Postopek izbora

Za financiranje bodo izbrane 3 vloge tistih prijaviteljev, katere bodo ocenjene s prvo, drugo in tretjo najvišjo oceno.

# 7 Plačilo za izvedbo storitev

Upravičenost do plačila storitev upravičenci dokazujejo s predložitvijo poročila, ki mora biti predloženo najkasneje do 31.3.2019. Storitev bo plačana na podlagi izstavljenega računa s strani prijavitelja ter potrditve končnega poročila s strani naročnika.

Vrednost storitve za izvedbo demonstracijskega projekta je 6.000 EUR neto.

# 8 Rok prijave na poziv

Rok za oddajo vloge je 18.1.2019 do 15.00 ure.

Vloga na predpisanih obrazcih se predloži v elektronski obliki na naslov: tomaz.laposa@p-tech.si.

# 9 Način prijave

Konzorcijska partnerja morata izpolniti naslednje obrazce:

Obrazec 1: Prijavni obrazec
Obrazec 2: Izjava prijavitelja
Obrazec 3: Podatki o demonstracijskem projektu
Obrazec 4: Podatki o nosilcu rešitve
Priloge: slikovno gradivo in ostali podporni material

Obrazci morajo biti izpolnjeni v angleškem jeziku. Dovoljene so priloge. Scan vseh podpisanih obrazcev se predloži na elektronski naslov: tomaz.laposa@p-tech.si

## 10 Odpiranje vlog in obveščanje o rezultatih

Odpiranje vlog ne bo javno in bo izvedeno v prostorih naročnika najkasneje v petih (5) delovnih dneh po datumu za oddajo vlog.

Komisija lahko Prijavitelja kadarkoli v času obravnave vloge pisno (po pošti ali elektronski pošti) pozove k pojasnilu informacij iz vloge. Prijavitelj mora pojasnilo posredovati v predpisanem roku, v nasprotnem primeru bo komisija o pomenu informacij odločala na podlagi informacij, ki jih je Prijavitelj navedel v vlogi oz. po prostem preudarku.

Komisija lahko Prijavitelja kadarkoli v času obravnave vloge pisno (po pošti ali elektronski pošti) pozove k posredovanju dodatnih dokazil, ki izkazujejo verodostojnost navedb v vlogi. Prijavitelj mora dokazila posredovati v predpisanem roku, v nasprotnem primeru komisija navedb v vlogi ne bo upoštevala.

Rezultati poziva bodo objavljeni s strani naročnika najkasneje v roku 14 dni od izteka roka za oddajo vlog.

O izboru odloči zakoniti zastopnik Naročnika oziroma pooblaščena oseba s sklepom.

Prijavitelji bodo na podlagi sklepa o izboru pozvani k podpisu pogodbe.

## 11 Dinamika izvajanja javnega poziva

V nadaljevanju podajamo ključne mejnike pri izvedbi javnega poziva:
- Rok oddaje prijave: 18.1.2019
- Rok za izdajo sklepa o upravičenosti in podpisovanje pogodb: 1.2.2019
- Začetek izvajanja demonstracijskega projekta: 1.2.2019
- Konec izvajanja demonstracijskega projekta in oddaja poročila: 31.3.2019
- Plačilo storitve s strani naročnika: 1.5.2019

## 12 Dodatne informacije

Kontaktna oseba v zvezi z javnim pozivom je Tomaž Lapoša. Vprašanja lahko pošljete na e-mail: tomaz.laposa@p-tech.si.

## 13 Merila za ocenjevanje vlog

| MERILA | | Možno št. Točk | Št. Doseženih točk |
|---|---|---|---|
| 1 | Prijavitelj je sodeloval v dosedanjih aktivnostih projekta (roadshow, dobre prakse, direktna komunikacija, …) (maks. 5 točk) | Do 5 | |
| 2 | Metodologija izvedbe demonstracijskega projekta (maks. 10 točk) | | |
| | Metodologija je natančno opisana in vsi ključni in zahtevani vidiki načrtovanega projekta so bili upoštevani. | Do 10 | |
| | Okvirno je opisana zadovoljiva metodologija, niso pa zadostno prikazani vsi zahtevani vidiki. | Do 5 | |
| | Metodologija je nedosledna, in/ali nerealna in/ali nepopolna. | 0 | |
| 3 | Ali je demonstracijski projekt relevanten za projekt (maks. 15 točk) | | |
| 3a | Demonstracijski projekt uvaja pametne in inovativne rešitev, ki kažejo izboljšave na področju stroškovne učinkovitosti. | Do 5 | |
| 3b | Demonstracijski projekt uvaja pametne in inovativne rešitev, ki kažejo izboljšave na področju zagotavljanja kakovosti. | Do 5 | |
| 3c | Demonstracijski projekt uvaja pametne in inovativne rešitev, ki kažejo izboljšave na področju obvladovanja tveganja. | Do 5 | |
| 4 | Stopnja tehnološke zahtevnosti projekta (maks. 20 točk) | | |
| | Predlagana rešitev predstavlja visoko stopnjo inovativnosti in tehnološke zahtevnosti za implementacijo v proizvodnih sistemih. | Do 20 | |
| | Predlagana rešitev predstavlja srednjo stopnjo inovativnosti in tehnološke zahtevnosti za implementacijo v proizvodnih sistemih. | Do 10 | |
| | Predlagana rešitev predstavlja osnovno stopnjo inovativnosti in tehnološke zahtevnosti za implementacijo v proizvodnih sistemih. | Do 5 | |

## 14 Obrazec 1: PRIJAVNI OBRAZEC

| APPLICANT DATA | |
| --- | --- |
| Tax number | |
| Registration number | |
| Full name | |
| Short name | |
| Street and house number | |
| City | |
| Postcode | |
| Post | |
| Bank account | |
| Bank where account is opened | |
| Legal representative | |
| Telephone number of legal representative | |
| E-mail address of legal representative | |
| Function of the legal representative | |

| CONTACT DATA / CONTACT PERSON | |
| --- | --- |
| Name and surname of the contact person | |
| Function of the contact person | |
| Telephone number of the contact person | |
| E-mail address of the contact person | |

| SIZE OF THE APPLICANT (in accordance with EU regulation 651/2014/EU) – choose one |
| --- |
| ☐  Micro enterprise |
| ☐  Small enterprise |
| ☐  Medium-sized enterprise |

| APPLICANT PRESENTATION (up to 2000 characters) |
| --- |
| |

| PRESENTATION OF THE APPLICANT'S PRODUCTION PROCESS (up to 2000 characters) |
| --- |
| |

| Place and date | Stamp | Name and surname of the legal representative |
|---|---|---|
| | | |
| | | Signature |
| | | |

## 15 Obrazec 2: IZJAVA PRIJAVITELJA

Legal representative _____ (provide name and surname) of the applicant _____ (Provide full name of the applicant) declare that:

- We agree and accept all conditions stated in the public call.
- In case of a successful candidature at the public call, we agree to publishing the information from the application forms and the final report for the purpose of informing the public and other institutions responsible for monitoring the implementation of the SMART FACTORY HUB project under the Danube transnational Programme.
- The application is prepared in English language.
- All statements given in this application are true and correspond to the actual situation
- In accordance with Annex I of Regulation 651/2014 / EU, we are not large enterprise
- We are not in equity or in any other way proprietary or management related to the Solution provider.
- We apply to this public call with only one application.
- We are aware that we are responsible for achieving the objectives of the demonstration project.

| Place and date | Stamp | Name and surname of the legal representative |
|---|---|---|
| | | |
| | | Signature |
| | | |

## 16 Obrazec 3: PODATKI O DEMONSTRACIJSKEM PROJEKTU

| DEMONSTRATION PROJECT INFORMATION | | |
|---|---|---|
| Demonstration project name | | |
| Demonstration project acronym | | |
| Describe what specific problems you are encountering in production or other business processes and point out the proposed solution to this problem or the improvement that you want to implement as part of the proposed demonstration project (up to 3000 characters): | | |
| | | |
| Describe the methodology of implementing a demonstration project, which shall start no earlier than 1.2.2019 and finish no later than 31.3.2019 (indication and description of main activities, time plan for implementation and description of human resources involved) (up to 3000 characters) | | |
| | | |
| Define and describe benefits of the demonstration project (or potential subsequent implementation of the solution) in the areas of: cost-effectiveness, quality assurance and risk management. | | |
| Cost effectiveness | ☐ YES <br> ☐ NO | Justification (up to 1000 characters): |
| Quality assurance | ☐ YES <br> ☐ NO | Justification (up to 1000 characters): |
| Risk management | ☐ YES <br> ☐ NO | Justification (up to 1000 characters): |

| | | |
|---|---|---|
| Describe the level of technological complexity of the demonstration project. Describe and substantiate the potential for introducing the proposed solution of a demonstration project in the context of Industry 4.0 or implementation of so-called Smart production. Specify the scope of the proposed solution in comparison with the current market situation and the potential for further use of the solution in similar production systems (up to 3000 characters) | | |
| | | |

## 17 Obrazec 4: PODATKI O NOSILCU REŠITVE

| INFORMATION ABOUT SOLUTION PROVIDER | |
|---|---|
| Tax number | |
| Name of the solution provider | |
| Street and house number | |
| City | |
| Postcode and post | |
| Country | |
| Legal representative | |
| E-mail address of legal representative | |
| Function of the legal representative | |

Legal representative of the solution provider _____ (Provide name and surname) declares that:

- the above information is true,
- I express the intention to implement the service of introducing smart and innovative solutions in the context of this application and I will help the Applicant to analyse in detail the problem in their production, identify solutions, execute final analysis or demonstrate the solution and support the Applicant in preparing a feasibility study.

| Place and date | Stamp | Name and surname of the legal representative of the solution provider |
|---|---|---|
| | | |
| | | Signature |
| | | |

# 18 Končno poročilo – Študija izvedljivosti

Končno poročilo mora biti pripravljeno na osnovi spodnjega obrazca in mora biti pripravljeno v Angleškem jeziku.

1. **BASIC INFORMATION**

<table>
<tr><td colspan="2" align="center"><b>Production oriented SME</b></td></tr>
<tr><td colspan="2"><b>Organization:</b></td></tr>
<tr><td>Name</td><td></td></tr>
<tr><td>Address</td><td></td></tr>
<tr><td>Country</td><td></td></tr>
<tr><td colspan="2"><b>Website and social media:</b></td></tr>
<tr><td>Website:</td><td></td></tr>
<tr><td>Social media (Facebook):</td><td></td></tr>
<tr><td>Social media (Twitter):</td><td></td></tr>
<tr><td>Social media (LinkedIn):</td><td></td></tr>
<tr><td>Social media (Google+):</td><td></td></tr>
<tr><td>Other:</td><td></td></tr>
<tr><td colspan="2"><b>Contact details:</b></td></tr>
<tr><td>Name</td><td></td></tr>
<tr><td>Tel.</td><td></td></tr>
<tr><td>E-mail:</td><td></td></tr>
<tr><td><b>Market sectors:</b></td><td>Select one or more sectors the organization is focusing to:<br/>
☐ Aeronautics industries<br/>
☐ Automotive industry<br/>
☐ Biotechnology<br/>
☐ Chemicals<br/>
☐ Construction<br/>
☐ Cosmetics<br/>
☐ Defense industries<br/>
☐ Digital economy<br/>
☐ Electrical and electronic engineering industries<br/>
☐ Food industry<br/>
☐ Gambling<br/>
☐ Healthcare industries<br/>
☐ Maritime industries<br/>
☐ Mechanical engineering<br/>
☐ Medical devices<br/>
☐ Postal services</td></tr>
</table>

| | |
|---|---|
| | ☐ Pressure equipment and gas appliances<br>☐ Raw materials, metals, minerals and forest-based industries<br>☐ Social economy<br>☐ Space<br>☐ Textiles, Fashion and creative industries<br>☐ Tourism<br>☐ Toys<br>OTHER (Please specify): _____ |
| **Services provided:** | Select one or more services provided by the Organization:<br>☐ Consulting<br>☐ Education/Training<br>☐ Engineering<br>☐ Manufacturing<br>☐ Policy<br>☐ Research and development<br>☐ Services<br>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:<br>☐ Business support organization<br>☐ Development agency<br>☐ Large company<br>☐ Ministry/Government/State agency<br>☐ R&D |

| | |
|---|---|
| | ☐ SME<br>☐ University<br>☐ University incubator<br>OTHER (Please specify):_____ |
| **Market sectors:** | Select one or more sectors the organization is focusing to:<br>☐ Aeronautics industries<br>☐ Automotive industry<br>☐ Biotechnology<br>☐ Chemicals<br>☐ Construction<br>☐ Cosmetics<br>☐ Defense industries<br>☐ Digital economy<br>☐ Electrical and electronic engineering industries<br>☐ Food industry<br>☐ Gambling<br>☐ Healthcare industries<br>☐ Maritime industries<br>☐ Mechanical engineering<br>☐ Medical devices<br>☐ Postal services<br>☐ Pressure equipment and gas appliances<br>☐ Raw materials, metals, minerals and forest-based industries<br>☐ Social economy<br>☐ Space<br>☐ Textiles, Fashion and creative industries<br>☐ Tourism<br>☐ Toys<br>OTHER (Please specify): _____ |
| **Services provided:** | Select one or more services provided by the Organization:<br>☐ Consulting<br>☐ Education/Training<br>☐ Engineering<br>☐ Manufacturing<br>☐ Policy<br>☐ Research and development<br>☐ Services<br>OTHER (Please specify): _____ |

## 2. 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).*

## 3. SMART SOLUTION PROFILE

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

### 3.1 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:<br>☐ Implementation of the novel technology<br>☐ Implementation in the production processes<br>☐ 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:<br>☐ Improved coordination with suppliers<br>☐ Increased speed of production operations<br>☐ Decreased manufacturing costs<br>☐ Lower energy costs<br>☐ Improved information for production decisions<br>☐ Improved agility and responsiveness in the production process<br>☐ Improved product quality<br>☐ Improved coordination with customers<br>☐ Improved compliance with customer specs or regulatory requirements<br>☐ Improved maintenance/uptime<br>☐ Improved information for business analytics<br>☐ Improved remote monitoring capabilities<br>☐ Improved safety<br>☐ Developed visualization capabilities |
| **Market availability:** | |
| **Product/service technological focus:** | Select one or more technologies that the product/service is addressing:<br>AGRICULTURE AND MARINE RESOURCES<br>☐ Agriculture<br>☐ Resources of the Sea, Fisheries<br>☐ Silviculture, Forestry, Forest technology |

AGROFOOD INDUSTRY
- ☐ Food quality and safety
- ☐ Micro- and Nanotechnology related to agrofood
- ☐ Technologies for the food industry

BIOLOGICAL SCIENCES
- ☐ Biology / Biotechnology
- ☐ E-Health
- ☐ Genome Research
- ☐ Industrial Biotechnology
- ☐ Medicine, Human Health
- ☐ Micro- and Nanotechnology related to Biological sciences

ELECTRONICS, IT AND TELECOMMS
- ☐ Electronic circuits, components and equipment
- ☐ Electronics, Microelectronics
- ☐ Information Processing & Systems, Workflow
- ☐ IT and Telematics Applications
- ☐ Multimedia
- ☐ Telecommunications, Networking

ENERGY
Biogas and anaerobic digestion (AD)
- ☐ Carbon capture and energy
- ☐ Energy efficiency
- ☐ Energy production, transmission and conversion
- ☐ Energy storage and transport
Fossil Energy Sources
- ☐ Nuclear Fission / Nuclear Fusion
- ☐ Other Energy Topics
- ☐ Renewable Sources of Energy

INDUSTRIAL 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 Infrastructure

MEASUREMENTS AND STANDARDS
- ☐ Amplifier, A/D Transducer
- ☐ Electronic measurement systems

| | |
|---|---|
| | ☐ Measurement Tools |
| | ☐ Recording Devices |
| | ☐ Reference Materials |
| | ☐ Standards |
| | OTHER INDUSTRIAL TECHNOLOGIES |
| | ☐ Other Industrial Technologies |
| | PHYSICAL AND EXACT SCIENCES |
| | ☐ Chemistry |
| | ☐ Meteorology / Climatology |
| | ☐ Micro- and Nanotechnology |
| | ☐ Physics |
| | ☐ Separation Technologies |
| | PROTECTING MAN AND ENVIRONMENT |
| | ☐ Environment |
| | ☐ Safety |
| | ☐ Waste Management |
| | ☐ Water Management |
| | SOCIAL 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 |

## 3.2 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

## 4. 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)*

## 5. 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)*

## *6. 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?*