

**H2020 – FOF – 09 – 2015**

**Innovation Action**



## **PROPOSAL TEMPLATE**

*HORSE Application Experiments*

- This template is for the 1st call for HORSE Experiment proposals
- Call opens 1<sup>st</sup> December 2017
- This form may be submitted electronically any time before the 28<sup>th</sup> February 2018, 17:00 Brussels time, to the electronic submission facility at the HORSE-homepage at <http://www.horse-project.eu>

Text in red represents comments and should be deleted in your submission. Page limits refer to this text style in word: Times New Roman 11 pt font, Line spacing 1.15 lines, 6pt after, Standard A4 page size and margins

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### Glossary of Terms

**HORSE:** Smart integrated Robotics system for SMEs controlled by Internet of Things based on dynamic manufacturing processes

**SME:** Small and Medium-sized enterprises form a specific target group for the experiments and the CCs in HORSE. The term is used in exactly the same way as defined by the EC (<http://ec.europa.eu/growth/smes/business-friendly-environment/sme-definition/>)

**Experiment:** An experiment is a small to medium sized scientific research and/or technology development project carried out by a team of at least one SME and potentially additional research institutions, robot manufacturers and robot and automation users, which typically lasts no longer than 12 months

**CC:** Competence Centre is a physical infrastructure supporting different user groups by providing state-of-the-art hardware, software components, and support in form of experienced staff.

## 1 Excellence (limit: 4 pages)

Your experiment should address adaptation, validation or extension of the HORSE framework in real settings involving near autonomous robotics technology or cooperation between humans and robots on a production line with no barriers. Your work should have the potential to achieve tangible results: at the end of the experiment, there must be a robust demonstration – ideally in the form of a working prototype.

In this section you should describe:

- the context of your experiment (the current state of the process/processes to which the framework will be applied)
- the way in which the HORSE framework will be used in the process/processes
- the new components that will be developed in your experiment (if any)
- the new hardware that will be integrated in the experiment (if any)
- the way in which the framework will be validated in the experiment

## 2 Impact (limit: 2 page)

Describe how will your experiment contribute to:

- Increasing the performance and efficiency of the end-user
- Validation of the framework
- Promotion and reach of the framework (new applications)
- Extension of functionalities of the framework (new software and hardware components)

## 3 Implementation (limit: 4 pages)

Provide a work description including at least:

- Task list including the timing of the different tasks, efforts and role of partners
- List of deliverables
- List of milestones
- Description of the partners and consortium as a whole
- Risk management

## 4 List of Key Performance Indicators (limit: 1 page)

## 5 Management of knowledge and of IP (limit: 1 page)

## 6 Appendix. Ethical issues

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