ZDMP: Zero Defects Manufacturing Platform

ZERO DEFECTS

Manufacturing Platform

ZDMP

ZDMP

Promotions Pack

OPEN CALL 2

Abstract

This document is intended to be used to support the dissemination of the Zero Defects Manufacturing Platform (ZDMP) Open Call 2 to your network of clients / members, if you so choose.
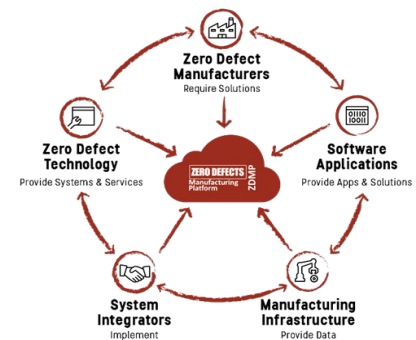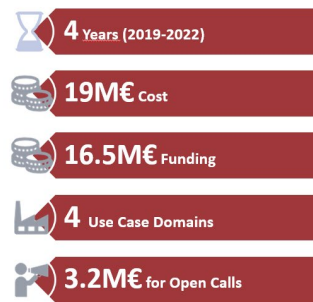
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1 Introduction

This guide is designed to support Digital Innovation Hubs, Chambers of Commerce and other networks to bring to the attention of relevant members the opportunity provided by the Zero Defect Manufacturing Project (ZDMP) to bid for a share of our second Open Call funding call worth a total of €2,200,000.

1.1 What is ZDMP?

ZDMP is a project funded by the H2020 Framework Programme of the European Commission running from January 2019 until December 2022. It initially engaged 30 partners (Manufacturers, Technology Providers, Consultants and Research Institutions) from 11 countries with a 31st Company, Industry 4 Factory Solutions (i4FS) joining during 2020. i4FS is a company formed by several members specifically for ZDMP's post project exploitation of the ZDMP platform. ZDMP will provide an extendable platform to support factories to help them reach a goal of zero defects with a focus on product and production quality assurance.

1.2 ZDMP Aims & Objectives

The main ZDMP objectives are:

- To provide an Industry 4.0 (I4.0) Platform for developing zero-defect solutions
- To ensure the quality of the product along the value chain of the manufacturing process by deploying advanced modelling, detection, inspection, and predictive techniques
- To provide developers a runtime platform including environment, marketplace, and service framework
- To deliver core Industrial IoT support of data acquisition, interoperability, and analytics supported by orchestration, monitoring and autonomous computing
- To ensure outstanding process quality, through equipment, resource, and energy efficiency, by deploying novel AI based solutions

2   Overview of the Open Calls

2.1   Headline Information

The ZDMP Open Calls consists of **two separate calls** consisting of a total of €3.2million. This Promotions Pack is for Open Call 2 only.

Open Call 1 closed in April 2021 and ten sub-projects were awarded for a total of just over €1million.

	Open Call 2
Opens	2nd August 2021
Closes	5pm CET, 1st October 2021
Funding split	Two thirds
Funding range (per sub-project)	€50-150K
Sub-project start	January 2022
Project duration	9 months (Fixed Duration)
No. of sub-projects awarded	Approximately 20

Note: All times are CET. Deadlines will be strictly adhered to. Any submissions past the deadline will not be considered.

2.2   Why join the ZDMP Open Calls?

Joining the ZDMP Open Calls will benefit you in a range of ways:

- You will receive between €50-150K funding and support to develop new services/products
- You will own what you produce and will be able to exploit outcomes across your business (with some restrictions)
- You will have the opportunity to develop new, working relationships with businesses in the Industry4.0 domain
- You will have access to a new sales channel through the ZDMP Marketplace provided via partner i4FS

2.3   Target Audience

- SME / Start-up technology providers and software developers
- Companies of any size from the wider manufacturing domain (in a minor consortium role only)

2.4   Qualifying Activities

The focus for Open Call 2 is on the ZDMP Applications – zApps, although projects with a focus on the ZDMP Platform and Components are not excluded.. Qualifying activities fall into 3 broad areas: Development, Integration & Validation/ Testing:

Development:

Sub-projects for the development of digital manufacturing applications and solutions for Industry4.0 via the ZDMP platform.

These are sub-projects that develop new applications or solutions that can be integrated into and/or provided via the ZDMP platform. They should consist of novel combinations generally using several existing ZDMP components with existing components or services that you provide. The aim is to extend the functionalities and offerings of the ZDMP platform and marketplace as well as your business, by providing easy-to-use applications for Industry4.0 end-users needing zero-defect solutions.

In this type of sub-project the focus is on:

- Developing new Design-time / Run-time zero-defect smart manufacturing applications/solutions that can be integrated with/made available through the ZDMP Platform and/or Marketplace
- Developing new, easy-to-use AI/Machine Learning applications/solutions potentially utilising new/upgraded algorithms for zero-defect smart manufacturing processes
- Development/Extension of existing ZDMP applications (zApps) which are open-source to provide added value to the platform and/or to reach new Industry4.0 domains (outside of ZDMP pilot domains – Automotive/Electronics/Machine Tools/Construction)

Any application developed must be substantially different from those developed within the ZDMP project.

Integration:

Sub-projects to extend the ZDMP offering by connecting ZDMP with external platforms, ecosystems and in-house technology

The focus for this activity area is on:

- The integration of existing 3rd Party zero-defect smart manufacturing Design-time and Run-time applications / components / services with the ZDMP Platform
- The integration/interoperability of third-party ecosystems and platforms, including SMEs / Manufacturers with micro in-house specific platforms, with the ZDMP platform
- The integration of existing ZDMP open-source applications (zApps) and/or components with third party processes / components / tools / services in new manufacturing domains/scenarios

Validation:

Sub-projects for validation and/or testing of ZDMP applications (zApps) and components in digital manufacturing domains

The focus for this activity area is on:

- Functional Validation of ZDMP applications and/or components InCloud and/or OnPremise – eg workflows, UI, integration with other ZDMP applications and/or components, algorithms, data acquisition
- Scenario Validation: Deploy and run ZDMP applications and/or components in a range of smart manufacturing domains/scenarios – eg 'real-world' validation using real-world data, zApp security
- Technical Validation of ZDMP applications and/or components – a list of zApps is available on www.zdmp.eu/technologies
- Performance Testing of ZDMP applications and/or components in a range of smart manufacturing domains/scenarios – eg AI model prediction & result testing, security, data acquisition & ingestion
- Usability Testing of ZDMP applications and/or components InCloud and/or OnPremise

2.5   Webpages

Find out more information here:
Submission Platform:

www.f6s.com/zdmp/apply   - the *only* place to submit your proposal

Contact:

zdmp-opencall@zdmp.eu   - the *only* email address to use for questions
                                                                       about the Open Call (max. 48 hour response time)

Information and Documents:

www.zdmp.eu   - home page

www.zdmp.eu/calls   - information and links about the Open Call, including
                                                                       the promo video

www.zdmp.eu/resources   - all the documents relating to the Open Call,
                                                                       including the Guidance for Applicants and the
                                                                       Proposal Template

www.zdmp.eu/technologies   - high-level technical description of ZDMP components

www.zdmp.eu/documentation &   - detailed technical information on the ZDMP
https://software.zdmp.eu/docs/   components

https://www.zdmp.eu/calls-faq   - answers to commonly asked questions about the
                                                                       Open Call

www.zdmp.eu/calls-webinars   - register here to attend our monthly application
                                                                       support webinars and ask the ZDMP Team any
                                                                       questions you may have

www.zdmp.eu/ipr-for-subcalls   - read the IPR for ZDMP components here

www.zdmp.eu/exp-facility   - information about the experimentation facility ZDMP
                                                                       provides for Open Call projects

www.zdmp.eu/call-winners   - information about the Open Call 1 winners.

2.6 ZDMP Social Media

Follow us on:

https://twitter.com/EU_ZDMP

https://www.linkedin.com/company/zdmp-zero-defect-manufacturing-platform/

https://www.facebook.com/ZDMP-Zero-Defects-Manufacturing-Platform-2139698843026762/

https://www.youtube.com/channel/UCowh6hKjIjYfwxX3Rop0zPQ

ZDMP Open Call Promo Video:

https://youtu.be/fV9AmOcDZiQ

3 Example Cover Email for your Members / Network

This email (or a translation of it…) can be adapted and used to make dissemination quicker and easier, should you choose to send notification of this funding opportunity to members of your business network:

RE: €2.2mil ZDMP & European Commission Open Call 2 funding opportunity now open
Dear [contact name]

*We would like to bring to your attention that the second Zero Defects Manufacturing Platform (ZDMP) and European H2020 **€2,200,000 Manufacturing and Industry4.0 Open Call 2** funding opportunity is **now open for submissions** on*
www.f6s.com/zdmp/apply

To find out more please:
- *read the attached Open Call 2 Newsletter,*
- *visit www.zdmp.eu/calls for Call information and promo video*
- *visit www.zdmp.eu/resources for all guidance and application documentation.*
- *Visit www.zdmp.eu/call-winners for awards made in the first ZDMP Open Call*

The Call closes on the 1st October 2021 @17:00 (CET).

There are a range of sub-project types and funding amounts available for you to choose from.

If this funding opportunity is not for you, please do feel free to forward this email to others in your network who may be interested, thank you.

Kind regards

[Your Name]

4　　Example Social Media Posts

In addition, should you choose to, these example Tweets / social media posts can be adapted and usedto make dissemination of the ZDMP open call 2 to your network quicker and easier:

Long:

*The Zero Defects Manufacturing Platform (ZDMP) project team invites European SME software developers and manufacturers, and innovative Industry4.0 solution providers, to develop, integrate and/or validate the ZDMP applications, platform and/or components as part of the second **€2,200,000** EC H2020 **Open Call 2**. **Now open for submission** on www.f6s.com/zdmp/apply. Further details on www.zdmp.eu/calls*

Short:

*Zero Defects Manufacturing Platform (ZDMP) H2020 project **€2,200,000 Manufacturing Industry4.0 Open Call 2** is **NOW OPEN**! Submit your proposal on www.f6s.com/zdmp/apply. Deadline 1/10/21. More info on www.zdmp.eu/calls. Guidance for Applicants on www.zdmp.eu/resources*

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