



## €2.2 million Open Call 2 funding NOW OPEN

The Zero Defects Manufacturing Platform (ZDMP) project team invites you to apply for your share of our second **€2.2million EC H2020 Open Call** aimed at European SME software developers, tech companies and manufacturers to create, test, validate and/or integrate innovative zero-defect solutions for Industry4.0. You can find out more about the ZDMP project at [www.zdmp.eu](http://www.zdmp.eu)

### ZDMP Project Overview and Objectives

ZDMP is a project funded by the H2020 Framework Programme of the European Commission running from January 2019 until December 2022.



We have 31 partners that will provide an extendable platform to support factories to **reach the goal of zero defects**. In this context, ZDMP will allow end-users to connect their systems (eg shopfloor and ERP Systems) to benefit from the features of the platform. The benefits focus on product and production quality assurance.



The main ZDMP objectives are:

- To provide an Industry 4.0 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
- To demonstrate its results in four challenging industrial areas: Automotive, Machine tools, Construction and Electronics

### ZDMP Open Calls Overview

Open Call 1 successfully closed in May 2021 and 10 sub-projects have been selected for funding. Just over **€1 million** has been awarded.

Now we are launching Open Call 2, with a further **€2.2million** to award to up to 20 sub-projects.

	Open Call 2
<b>Call Launch</b>	2 <sup>nd</sup> August 2021
<b>Call Close</b>	1 <sup>st</sup> October 2021
<b>Project Funding Range</b>	€50 – 150K
<b>Project Start</b>	January 2022
<b>Project Duration</b>	9 months

Find out more details about the ZDMP Open Calls on [www.zdmp.eu/calls](http://www.zdmp.eu/calls)

### What we would like you to do.....

The focus for Open Call 2 is on zApps – these are novel zero-defect applications which combine ZDMP components and/or 3<sup>rd</sup> party services. Qualifying activities fall into 3 broad areas: Development, Integration & Validation / Testing :

### Call 2

#### Development

- Sub-projects for the development of: Design-time / Run-time digital manufacturing applications and services; new AI/Machine Learning solutions and new algorithms; developing/extending existing ZDMP applications/solutions into new domains.

#### Integration

- Sub-projects to improve the ZDMP ecosystem by integrating existing 3rd Party applications / components / services / platforms, or integrating ZDMP applications (zApps) / components with 3rd Party processes in new domains.

#### Validation / Testing

- Sub-projects for functional, scenario and technical validation and/or performance or usability testing of ZDMP applications (zApps) / components in 'real-world' manufacturing contexts.

Apply now on <https://www.zdmp.eu/calls>

Find out more on <https://www.zdmp.eu/resources>

Register for webinars at:

<https://www.zdmp.eu/calls-webinars>

### Benefits to you

- 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
- 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

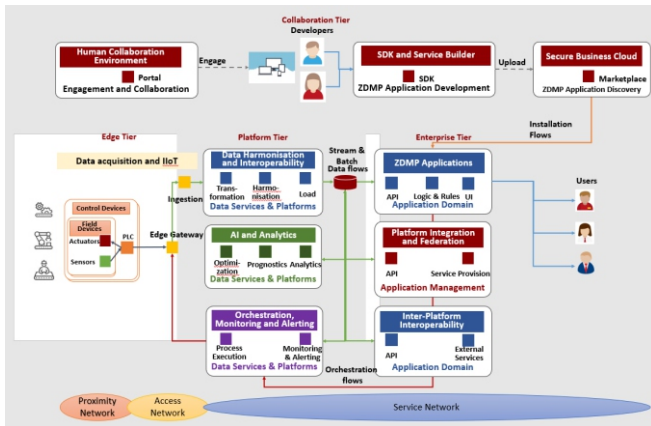
- In-project: ZDMP will support, monitor, and review sub-projects
- Post-project: ZDMP platform owners (i4FS) will enact a seeding strategy and undertake marketing to further build the ecosystem

Winning proposals will develop a workplan and sign a contract with ZDMP to deliver on agreed milestones at specific times during the 9 month sub-project.

Additionally, ZDMP or the European Commission may ask you to present your work as part of ZDMP public relations, dissemination and/or networking events

## What ZDMP offers...

### Platform Architecture



### zApps (ZDMP Applications)

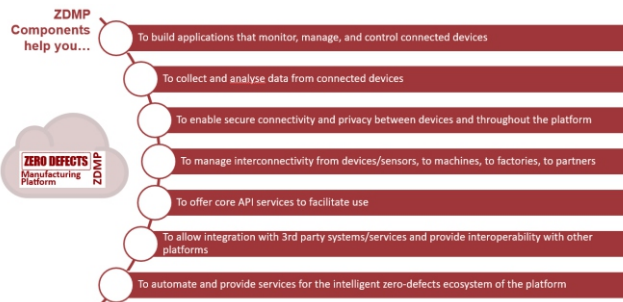
Solutions for end users that combine components in innovative ways and running on desktop or on mobile clients, or in the Cloud. Solutions will enable improvement and/or monitoring of product, processes and quality in both vertical (eg defect-focussed) and horizontal (eg specific industry or company) domains.

Pilot zApp examples include:

- zAnomalyDetector
- zDigitalTwin
- zMachineAnalytics
- zRemoteQC
- zRescheduler

### Platform Components

Modular software components linked via APIs and the ZDMP message bus (direct API-API linking also possible) for developers to combine into new I4.0 services – called zApps. Components may run OnPremise and InCloud.



### Experimentation Facility

An open facility with industrial equipment (eg simulated production lines, machines and devices) where Industry 4.0 services (ie zApps) and ZDMP modular software components can be tested and validated to ascertain their functionalities and capability is available for Open Call sub-projects.

## The Business of Open Calls

- You will own your Open Call outputs (eg zApps, components, validation results, testing methodologies, and/or federated services) and will be free to exploit them across your business
- Where relevant, we expect you to host your output on the ZDMP/i4FS Marketplace for one year after the end of the project with Marketplace sales generating revenue for your business and commission for ZDMP
- Validation results (eg test reports) must be provided free of charge to anyone for a limited period after the end of the project

## Who can apply...?

### Are you eligible to apply?

Please apply if you meet the following criteria:

- You are an SME manufacturer or software developer established in an EU Member State, Associated Country or the UK, as defined in EU Law: EU Recommendation 2003/361, and are eligible for participation in H2020 programmes (Consortia or Sub-contractor bids are permitted with certain restrictions and justifications)
- You are a stable, solvent, legal entity and are active in the I4.0 sector
- You have no substantial formal business relationships with any ZDMP partner organization (eg predominantly or wholly-owned subsidiary, or affiliate) – if you are a customer or supplier there are no restrictions

### Types of Applications

- Single SME applicant
- Small consortia (max. 2 partners, with the SME as the lead)\*

\* In the case of consortium bids, the consortium must consist of either 2 SMEs or 1 SME and an academic/research partner or large organisation. Academic/research partners and large organisations must be in a clear supporting role only (eg. an SME manufacturing/supply chain company (lead) and a large technology provider; or an SME technology company (lead) and a large manufacturer).

## ZDMP Partners



Contact Us on: [zdmp-opencalls@zdmp.eu](mailto:zdmp-opencalls@zdmp.eu)

