



# GOODMAN

AGENT ORIENTED ZERO DEFECT  
MULTI-STAGE MANUFACTURING

## Deliverable 11.1

### First Management report

Document version	:	Final
Submission Date	:	05/10/2017
Dissemination Level	:	Confidential
Contribution to	:	WP 11
Document Owner	:	LOC
File Name	:	GOOD MAN Deliverable 11.1
Revision	:	0.6
Project Acronym	:	GOOD MAN
Project Title	:	Agent oriented zero defect multi-stage manufacturing
Grant Agreement n.	:	723764
Call	:	H2020-IND-CE-2016-17
Project Duration	:	36 months, from 01/10/2016 to 30/09/2019
Website	:	GOOD MAN-project.eu

## Revision History

REVISION	DATE	INVOLVED PARTNERS	DESCRIPTION
0.1	25/07/2017	LOC	Layout of the deliverable
0.2	04/09/2017	LOC	Contribution to the chapters
0.3	14/09/2017	IPB	Contribution to the chapters
0.4	15/09/2017	NISSA	Contribution to the chapters
0.5	16/09/2017	UNINOVA, UNIVPM, BOC	Contribution to the chapters
0.6	02/10/2017	LOC	Revision of the deliverable

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GOOD MAN project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723764.

## Executive Summary

The objective of this deliverable is to describe the progress and main achievements of the GOOD MAN project during its first 12 months. The GOOD MAN project has a total duration of 36 months, therefore this report describes the achievements of the first part of the project; during this first year, the main work-packages have started and are progressing in parallel.

In particular, the main idea of GOOD MAN project is to integrate and combine process and quality control for a multi – stage manufacturing production into a distributed system architecture built on agent-based Cyber-Physical Systems (CPS) and smart inspection tools. This challenging objective requires parallel developments for:

1. the definition of the management methodology, which is the objective of WP1;
2. the Multi-Agent based CPS for ZDM Multi-Agent Architecture, which is the objective of WP2;
3. the smart on-line inspection tools for ZDM, which are dealt with in WP3;
4. the data analytics and Knowledge Management tools for ZDM knowledge, which are treated in WP4.

Also WP9, which deals with the exploitation of the results of the project already started in order to work in parallel on the important aspects related to the commercialization of the results of the project and to maximize the impact of the project.

WP10, which deals with the dissemination and standardization aspects of the GOOD MAN project, and WP11, which deals with the technical and scientific coordination, are running in parallel, as well.

All these 7 work packages started accordingly to the program and have already brought to some Deliverables. These documents contain full detail of the results achieved and the research carried out to reach them. The scope of this report is not therefore to present the same details, which are contained in each Deliverable, to which the reader should refer for a comprehensive description of each part of the research; this report is rather intended to provide the overall view on the project progress.

