



D1.2 Robotic System Specification – design of the Sharework framework

Project ref. no. H2020-NMBP-FOF-2018 N° 820807	
Project title	Safe and effective human-robot cooperation towards a better competitiveness on current automation lack manufacturing processes.
Project duration	1 st November 2018 – 31 st October 2022 (42 months)
Website	www.sharework-project.eu
Related WP/Task	WP1
Dissemination level	CONFIDENTIAL
Document due date	31/07/2019 (M9)
Actual delivery date	01/08/2019
Deliverable leader	STAM
Document status	Submitted



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 820807

Revision History

Version	Date	Author	Document history/approvals
0.1	19/06/2019	Alberto Landini (STAM)	First draft of the document
0.2	30/07/2019	Dionisis Andronas (LMS)	Review
0.3	31/07/2019	Lena Winkler (FRAUNHOFER)	Review
1.0	31/07/2019	Alberto Landini (STAM)	Final complete version. Validated
1.0	01/08/2019	Project Coordinator	Submission

Executive Summary

This document describes the SHAREWORK system specifications for each use-case, starting from the requirements already identified in D1.1 “*Use cases definition, system requirements and KPIs*”. Each use case scenario description is improved with greater details on human-robot collaborative tasks and layouts are presented through 2D and 3D visualization. Furthermore, general module specifications and inter-modules dependencies are reported, also detailing the role of all modules in each use-case. In such a way, a comprehensive and deeper understanding of all SHAREWORK system components emerges from this deliverable, highlighting its main features and differences in implementation in the four use cases.