



D1.5 Design of the robotic system hardware and software architecture

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Revision History

Version	Date	Author	Document history/approvals
0.15	02/05/2019	Spyros Koukas (INTRA)	Draft Outline
0.45	10/04/2020	Spyros Koukas (INTRA)	First Draft Software Architecture
0.5	21/04/2020	Spyros Koukas (INTRA)	Final Software Architecture
1.0	27/04/2020	Alberto Landini (STAM)	Complete version for review
2.0	30/04/2020	Alberto Landini (STAM)	Complete version for submission
2.1	29/06/2020	Spyros Koukas (INTRA)	Updates regarding security
2.2	27/08/2020	Stefano Ellero (STAM)	Addressed PO's comments
3.0	09/09/2020	Stefano Ellero (STAM)	Updated version for submission

Executive Summary

This document provides an extensive and comprehensive description of ShareWork software and hardware architecture, representing a conclusion of the activities performed in WP1 inherent to the analysis of the industrial scenarios addressed in the project. Following the collection of information on the use cases' industrial practices, the identification of industrial requirements as well as the specification of all software modules objectives and practices, the main elements of the ShareWork system software and hardware architecture are here presented, detailing all the required interfaces that all the human and robot related software tools in the system will use, as well as the list of components selected for each use case scenario and the corresponding layout.