Inxpect Safety Studio Release Notes

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Revision	***Author***	***Date***	***Notes***
v01	M. Tomasoni	08/07/2025	First release
v02	M. Tomasoni	20/08/2025	Second release
v03	B. Treachi	16/12/2025	Third release
v04	L. Manfredini, M. Tomasoni	02/03/2026	Fourth release
v05	M. Picchi	19/06/2026	Fifth release
v06	L.Manfredini	14/08/2026	Sixth release
v07	L.Manfredini	29/09/2026	Seventh release

Revision	***Approved by***	***Date***
v02	B. Treachi	01/09/2025
v04	B. Treachi	03/03/2026
v05	B. Treachi	19/06/2026
v06	B. Treachi	14/08/2026
v07	B. Treachi	01/10/2026

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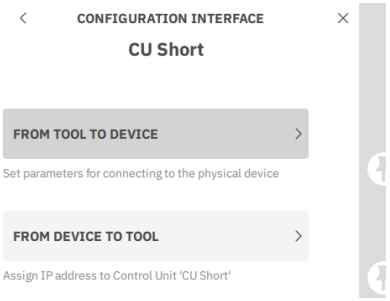
1. Scope

The scope of this document is to provide the release notes of Inxpect Safety Studio providing all the release history.

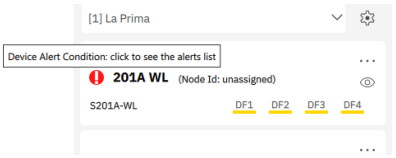
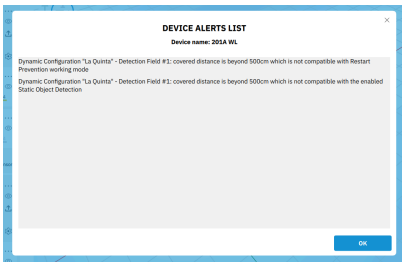
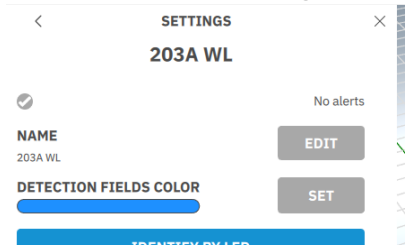
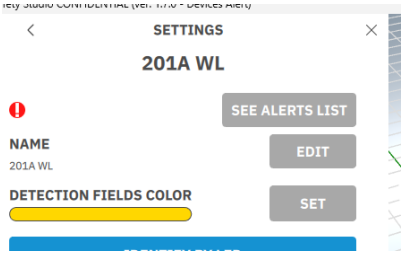
2. History Releases

Revision	Description
v1.8.13	**Seventh Official Release** • Fixed an issue on Teach In MAX DISTANCE parameter • Reviewed the top side of the project view in order to compact the buttons area • Moved the project file name in the window title bar • Added sensor duplication function (via card button, sensor menu and circular menu) included the change of Control Unit • Automatic camera positioning when a sensor card is clicked • Added Control Unit (along with the connected sensors) duplication • Added Control Units reordering feature • Added Sensors reordering feature • Embed new FW release: Communication interface v1.2.13 • Modified the Sensors Pairing logic. When a discovery is done the sensor already paired are not cleared anymore • Added Top-Down Safeguard feature to S201A and S203A • DEVICE INFO dialog: added new feature for comparing dynamic configuration checksum of the project file and dynamic configuration of the connected device in order to understand if the project is aligned with the plant content • Removed menu for Support Request • Added driven procedure for replacing a Control Unit on the plant with a spare part • Validation: added cartesian representation of targets position • Modified sensor Roll rotation management in order to be closer to the sensor bracket roll rotation
v1.7.4	**Sixth Official Release** • Increase barrier width for S202A-MS to 20 cm
v1.7.2	**Fifth Official Release** • Added parameters for managing the Control Unit SD Card • Decreased from 64 to 32 characters the password maximum length • Eliminated several constraints when saving a project: sensor or control units are no longer necessary • Modified Sensor Pairing dialog in order to allow to set explicit values for the Node Ids • In the 3D scene the sensor name labels orientation changes in order to stay visible from the virtual camera • Applied ESC button for closing all the editing panels and dialogs • Fixed translation issues and adapted spaces for allocating longer translated messaged • Fixed some connection issues in the sensor pairing dialog • Fixed an incongruence when importing and uploading a corridor configuration for S202A sensors

- Fixed an issue on Digital Outputs panel editing where the values were correctly set, but not correctly displayed when the panel was re-opened
- Buttons FROM TOOL TO DEVICE and FROM DEVICE TO TOOL: a couple of strings has been added in order to clarify the meaning



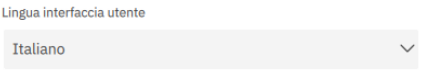
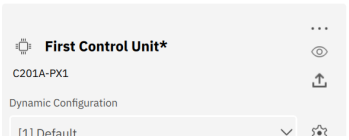
- Introduced alerts management for devices in order to show issues on the parameters settings.

When the device is in alert condition, the sensor or control unit icon is replaced by a red circle with a question mark. 	By clicking the red icon a new popup is opened for listing the alerts related to the device 
Alert icon is visible even in the first level panel of devices setting 	In such a case when the alert is active a new button is shown for opening the Alerts list seen previously 

Alerts are refreshed when a project is open or when parameters are changed

- Enabled Teach-In sensors S203A-WT and S203A-WLT
- Fixed a set of issues on Classic field geometries editing
- Device info page
  - added Communication Interface version for C203B equipped by ST or Tiva
  - added CRC32 for connected systems

v1.4.4	**Fourth Official Release** • Improved content of the Device Info dialog with the system status

	• Application Setup: added selection of UI languages
	
	
	• Added new languages to the UI
	  ○ Italian
	  ○ German
	  ○ Chinese
	• Reviewed UI contents in order to manage string longer than the English version, in particular for German and Italian
	• Control Unit names in the project card: appended an asterisk for highlighting that the configuration of the Control Unit needs to be Uploaded
	
	
	• Added metric/imperial distances/length management
	• Added Distance Measurement  for measuring distances into the 3D scene
	• Added Smart Positioning  for simplifying the placement of a new sensor
	• Added way for renaming the imported 3D models
	• Plant floor hidden when the Validation is running
	• Removed checking of IP Address uniqueness when the project is saved for simplifying the creation of a project while the devices are not available
	• Added Surface Moisture Robustness (SMR) to S203A-Wx sensors
	• Several bug fixings
	• Improve upload process and fix some error cases which were sometimes reported as “Failure on the control unit” or “Mismatch”
	• In the sensor capability check error specify if a sensor could not be checked because it was disconnected
	• Fix upload for DF with zero distance
	• Fix some errors related to the use of special characters in the device names
	• Improve sensor pairing
	• Correctly initialize parameters when loading an old project made before these parameters were created (such as v1.1.6)
	• Add -trace command line argument for a detailed debug log created in the file InxpectSafetyStudio.Debug.log on the desktop
	• Fixed a bug where the connection to the CU could remain active after an error in the FW update

v1.3.2 (15/12/2025)	**Third Official Release** • New: support S202A-MCx sensors • New: added Control Unit firmware upgrade • New: POV presets management • Fix: restart function settings (automatic, manual, safe-manual) • Fix: project marked as modified even if it was not • Fix: wrong password pattern was sometimes accepted • Fix: minimum first active field length was wrong • Fix: wrong alignment of the imported 3D models • Improvement: added status bar with relevant info in the main window • Improvement: device discovery • Improvement: error messages

v1.1.6 (20/08/2025)	**Second Official Release** ● New: RCS Analyzer feature for long range sensors ● New: added the official user manual for the application ● New: support S202A sensor for USA/Canada ● Fix: update naming (in device discovery and PDF reports) ● Fix: correctly manage upload of 32 dynamic configurations ● Fix: the led for the sensor status in the validation page does not depend anymore on the detection state ● Fix: various application crashes after replacing the control unit with a different model ● Fix: the value for RTO/Toff was not updated correctly when switching from one DF to another ● Fix: disable access to sensor pairing if there isn't at least one sensor ● Improvement: the sensor pairing page can now automatically reassign sensors whose node id is higher than the number of sensor ● Improvement: use a specific dialog for item deletion, with the red delete button ● Fix: the toggle for the cuboid tails acted for all the sensors instead of just the selected one ● Fix: the application can now add an existing device even when it is in factory state, by setting short range sensors and static installation type
v1.0.0 (09/07/2025)	**First Official Release**