JMobile Developer Day

EXOR

HIFLEX
STERK IN SUPPORT

JMobile 4.5

Major features overview

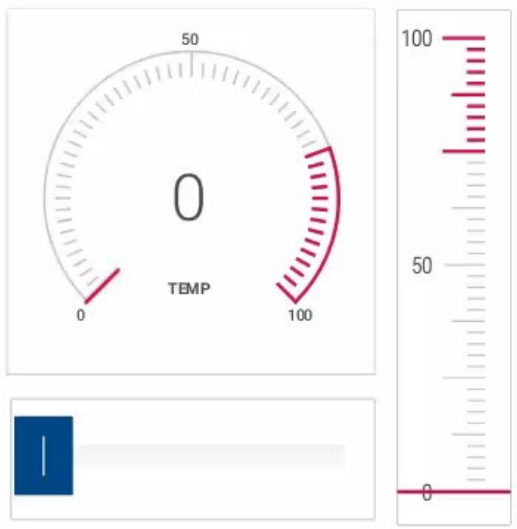
JMobile®

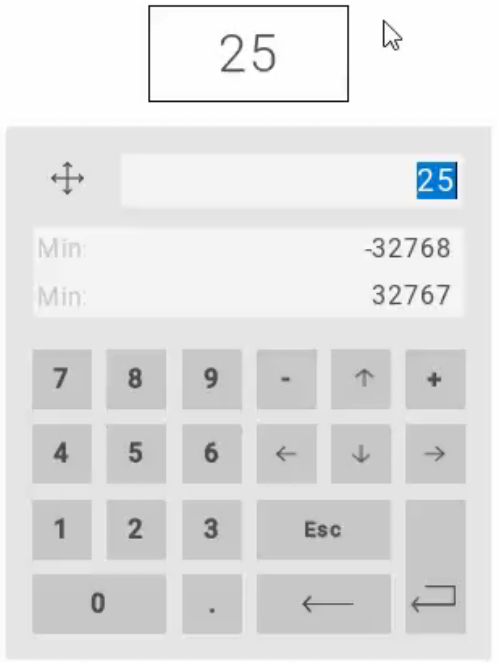
EXOR

New features

Expanding software capabilities

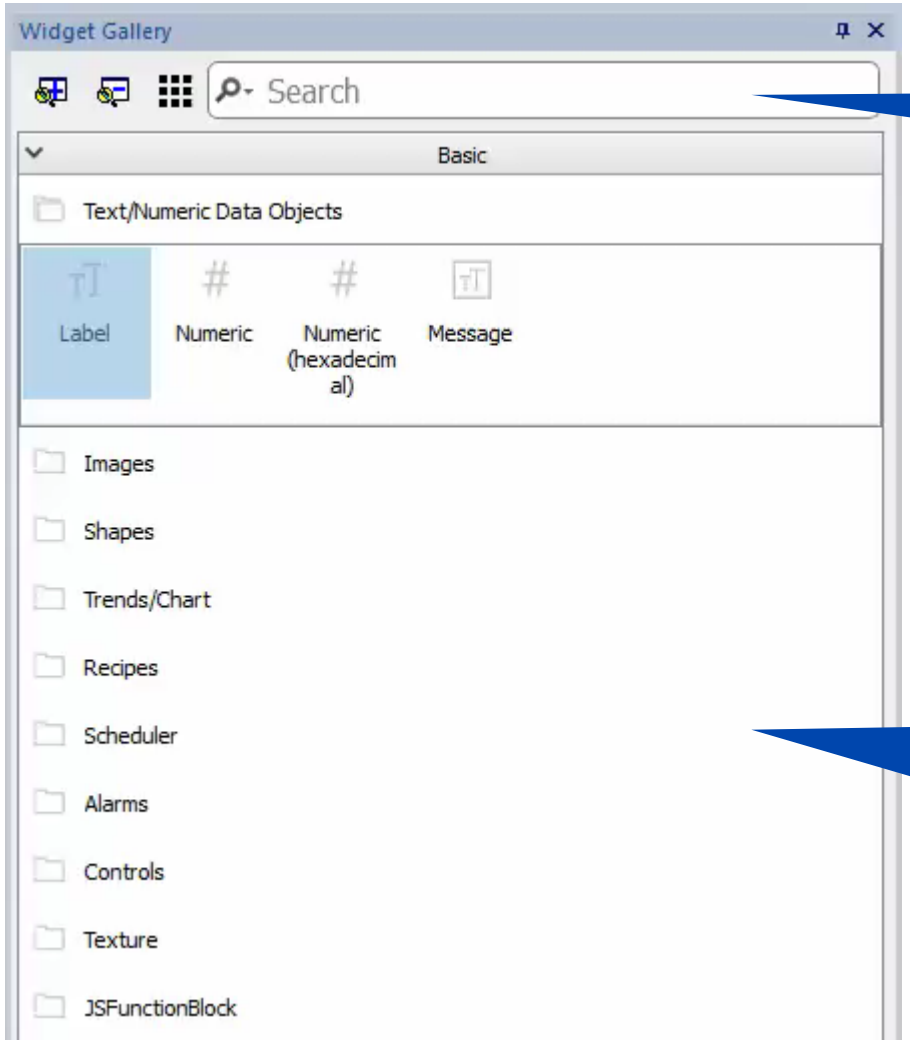
Default flat modern style for widgets





©2020 EXOR International S.p.A. All rights reserved

Widget Gallery redesign



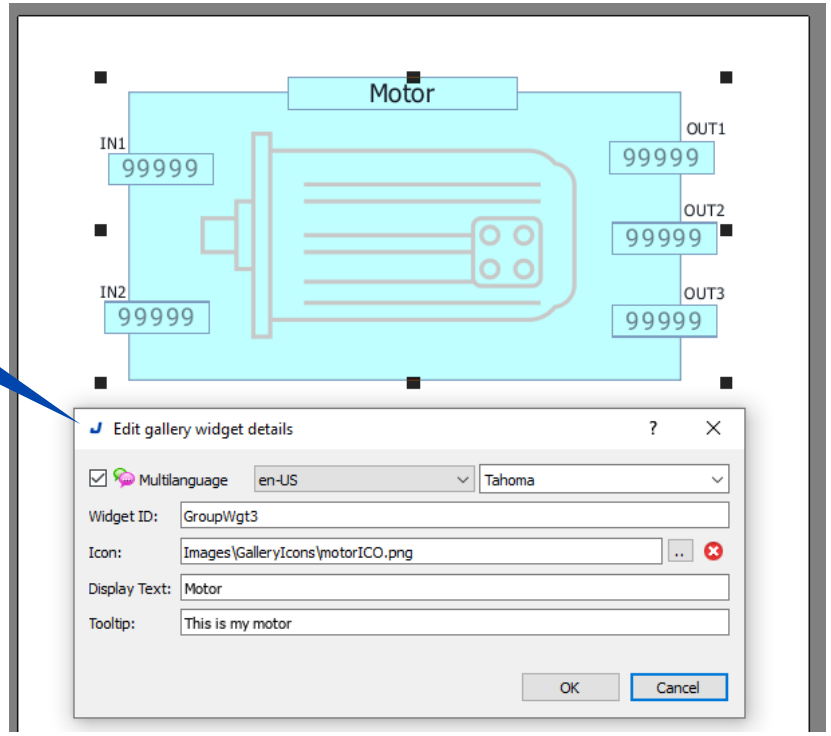
Quick search

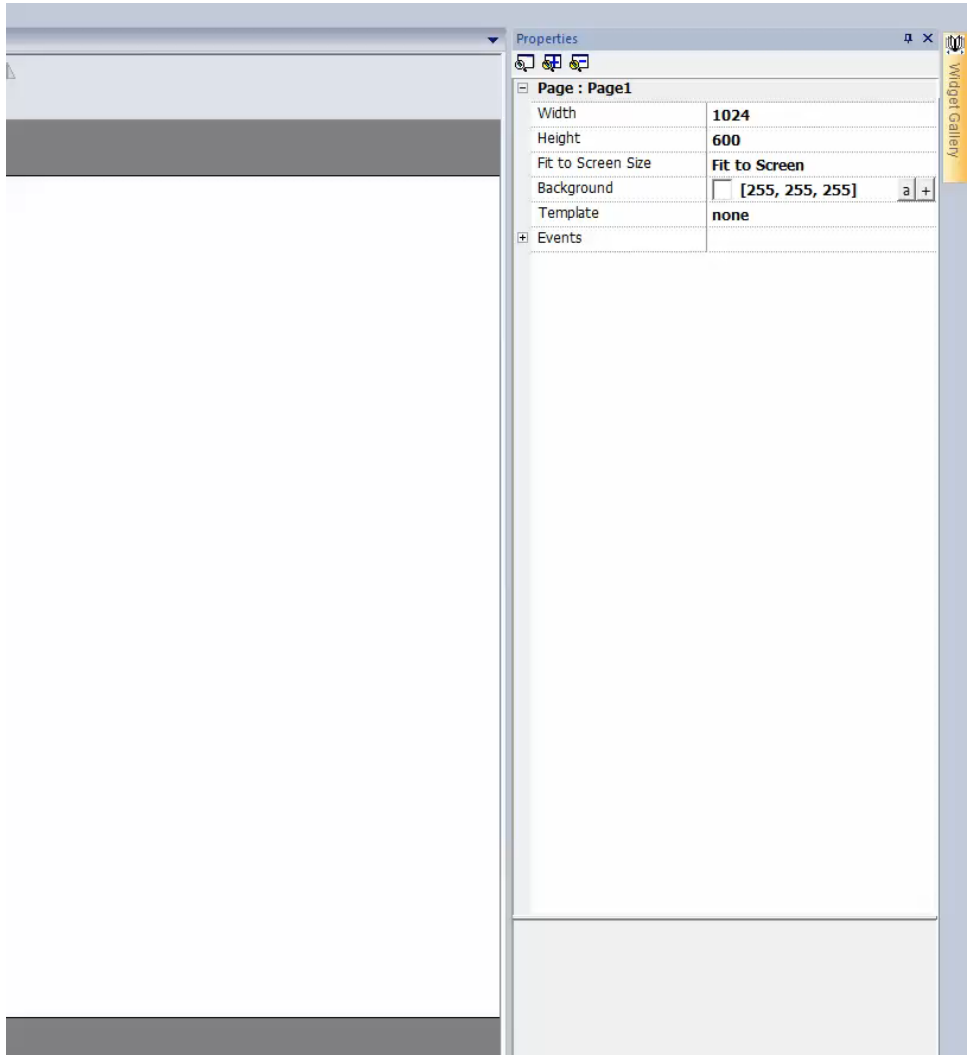
Filter results and mouseover preview

©2020 EXOR International S.p.A. All rights reserved

Edit user widget info in gallery

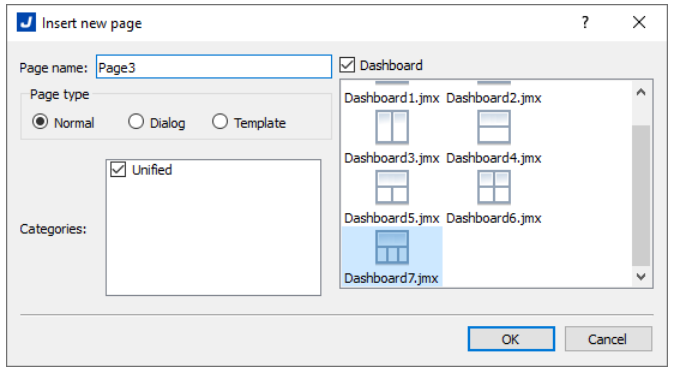
Customize text, icon and tooltip

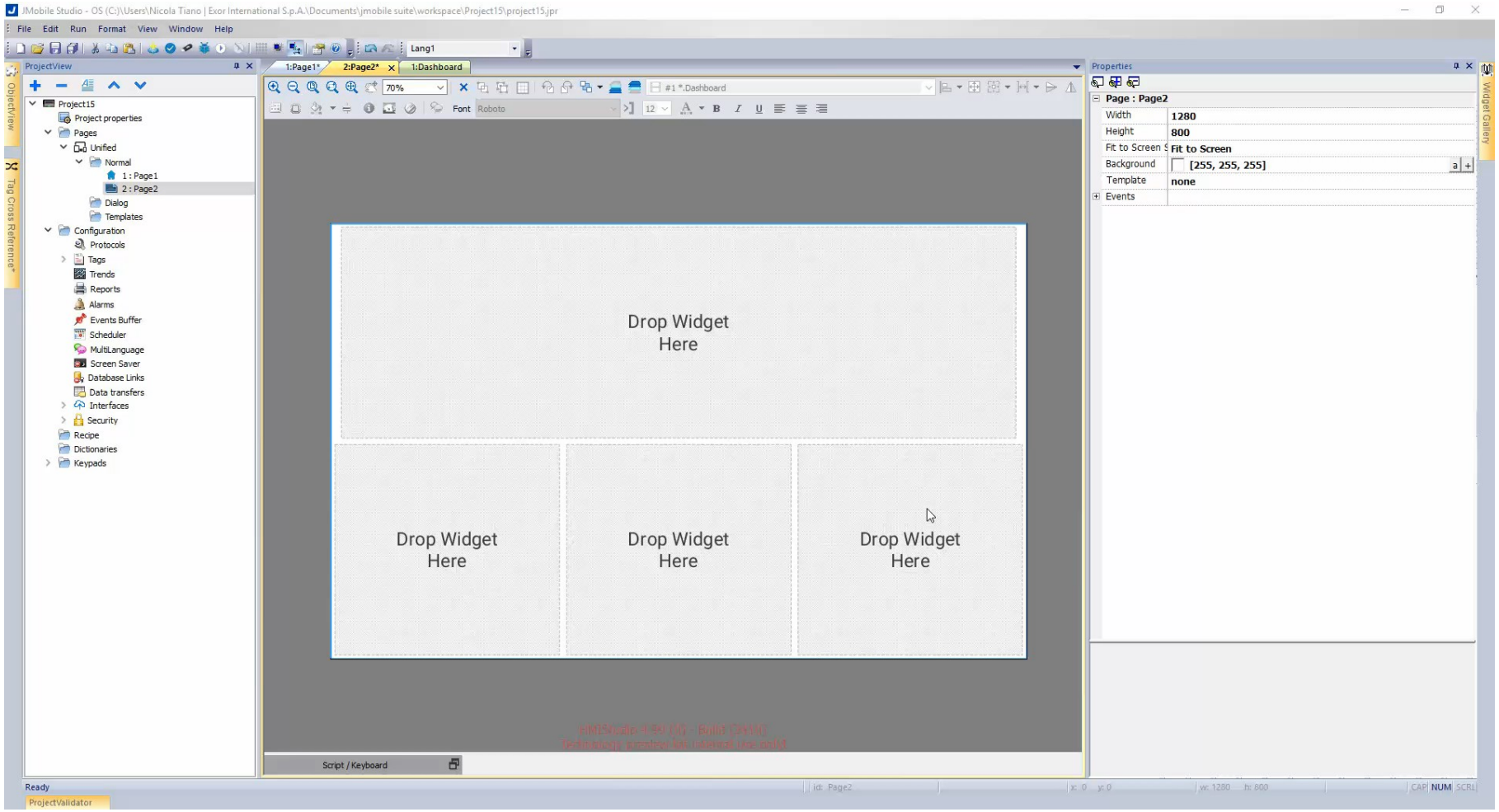




©2020 EXOR International S.p.A. All rights reserved

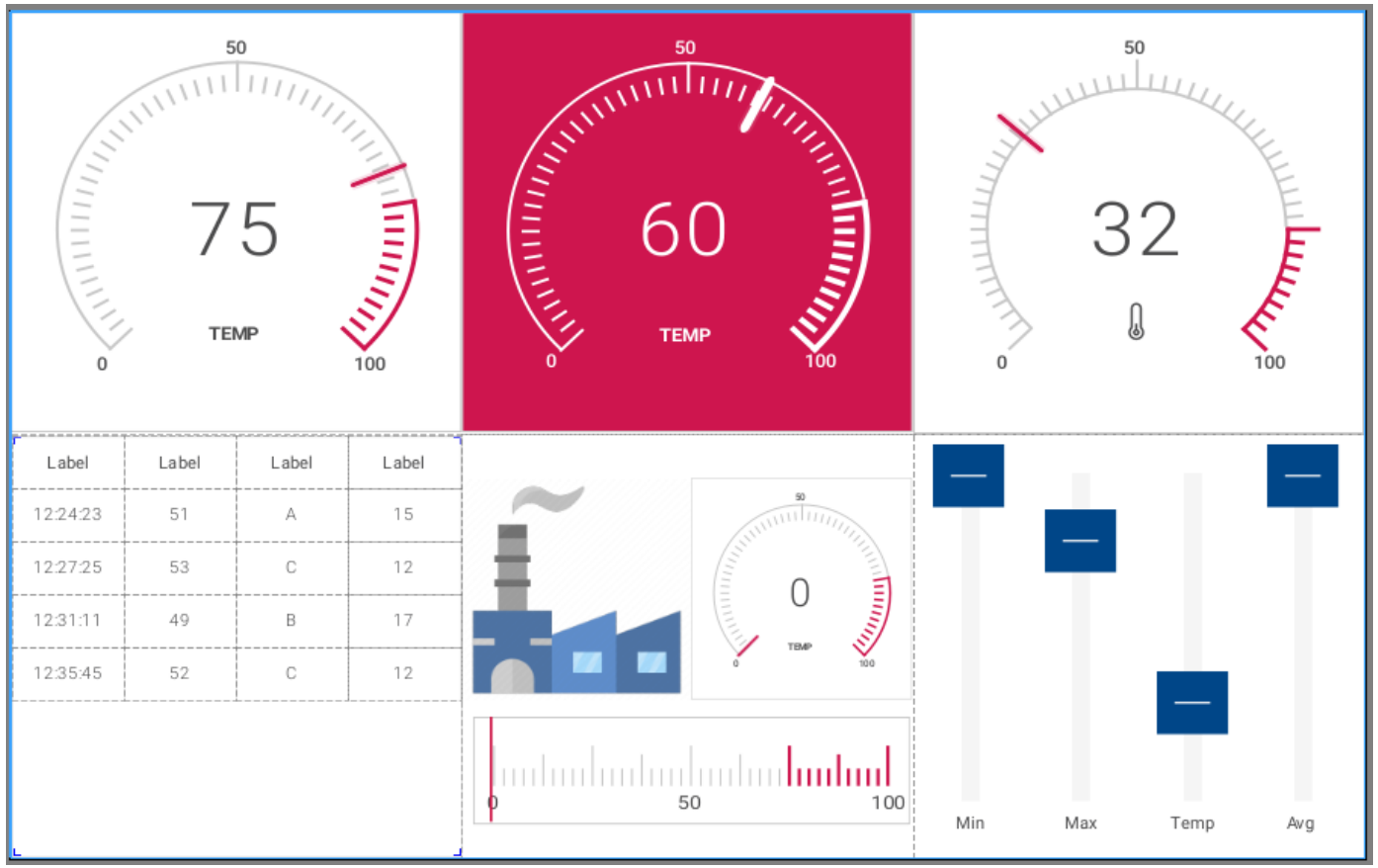
Dashboard pages





©2020 EXOR International S.p.A. All rights reserved

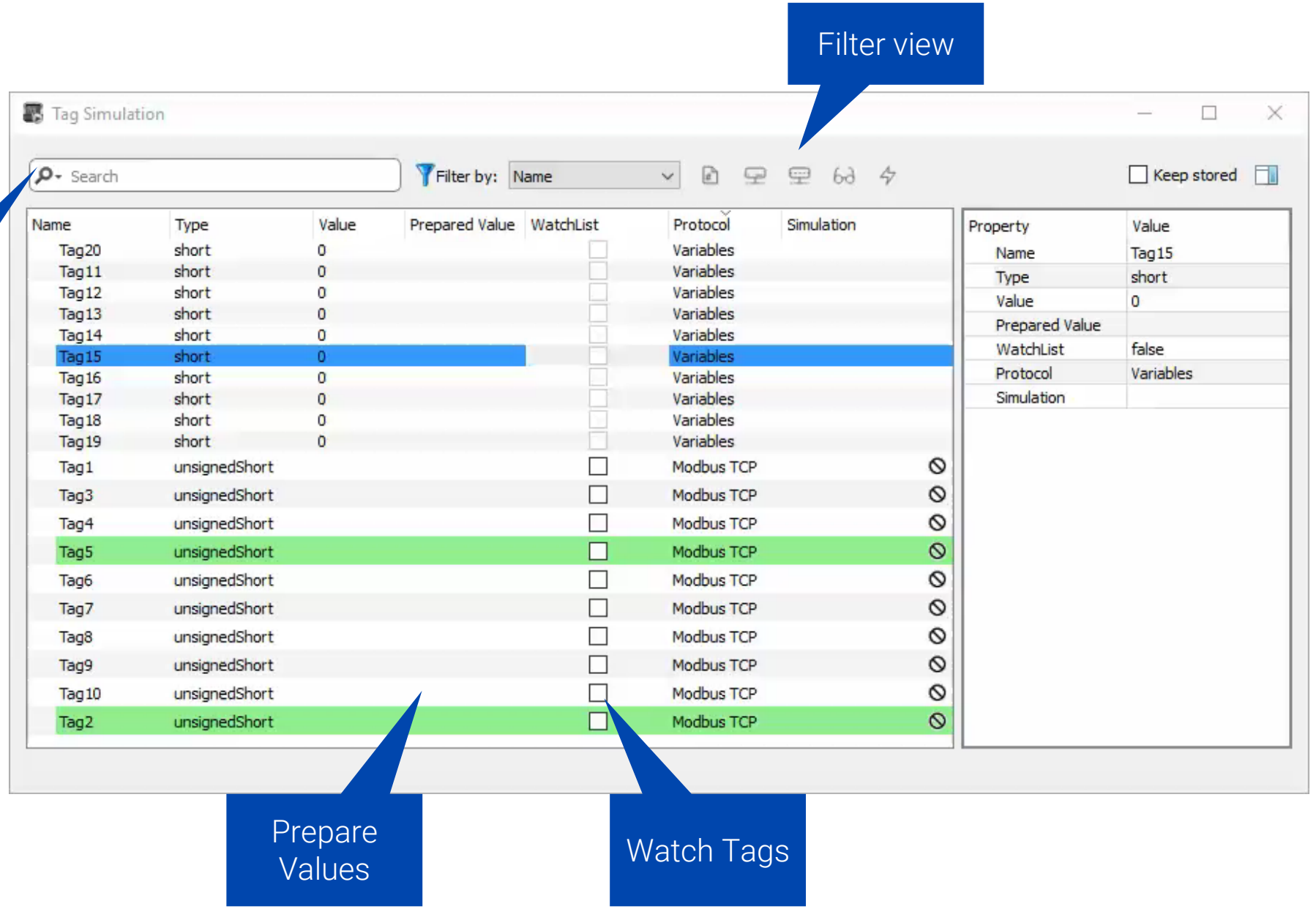
Responsive Design
Plant overview
Web ready



©2020 EXOR International S.p.A. All rights reserved

©2020 EXOR International S.p.A. All rights reserved

Online Simulator tool



©2020 EXOR International S.p.A. All rights reserved

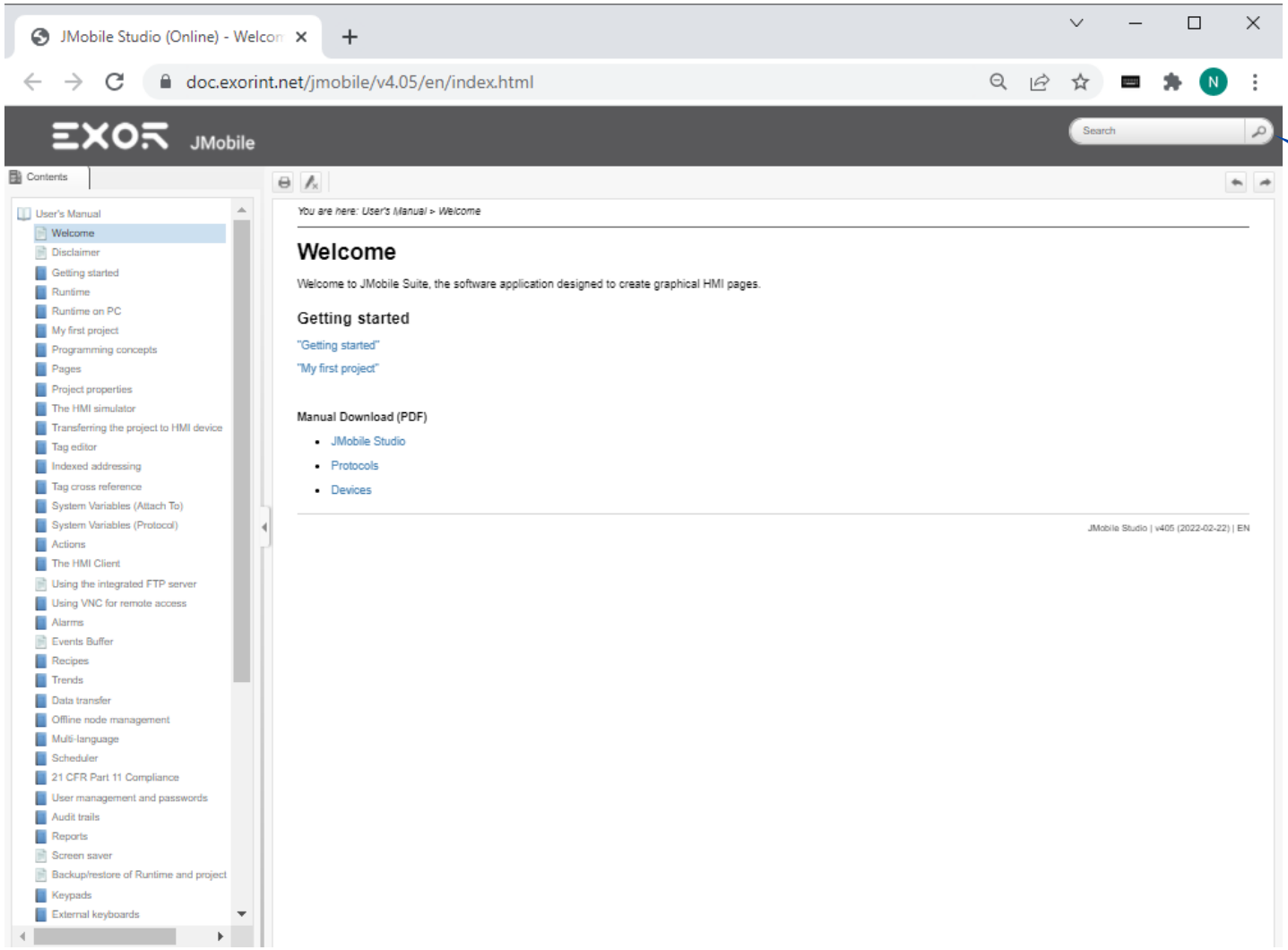
Simulates multiple Tag values

Speeds up communication debugging

SAVE TIME

©2020 EXOR International S.p.A. All rights reserved

Online help on web page from Studio



Enhanced search engine

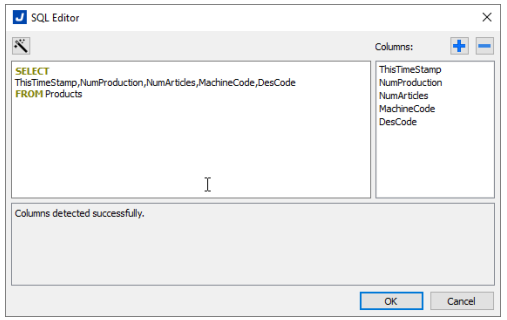
©2020 EXOR International S.p.A. All rights reserved

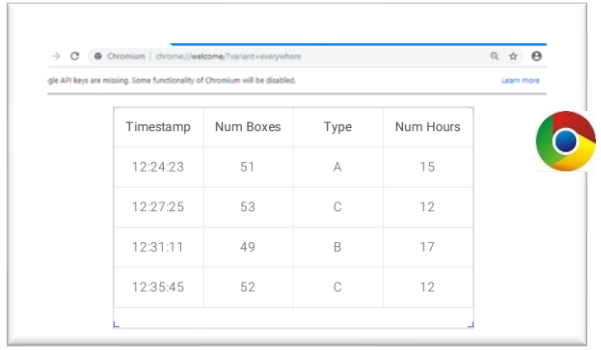
Connectivity

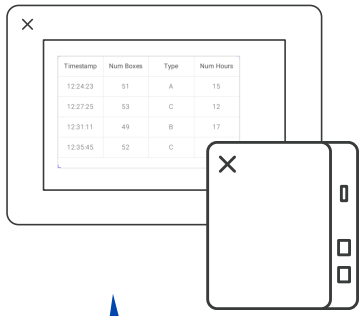
Interface to data storages

Native support for connecting SQL Databases

Programmer Utilities

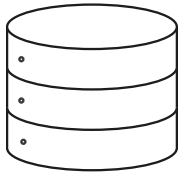






SQL Query

Data



MySQL

MariaDB

PostgreSQL

ODBC

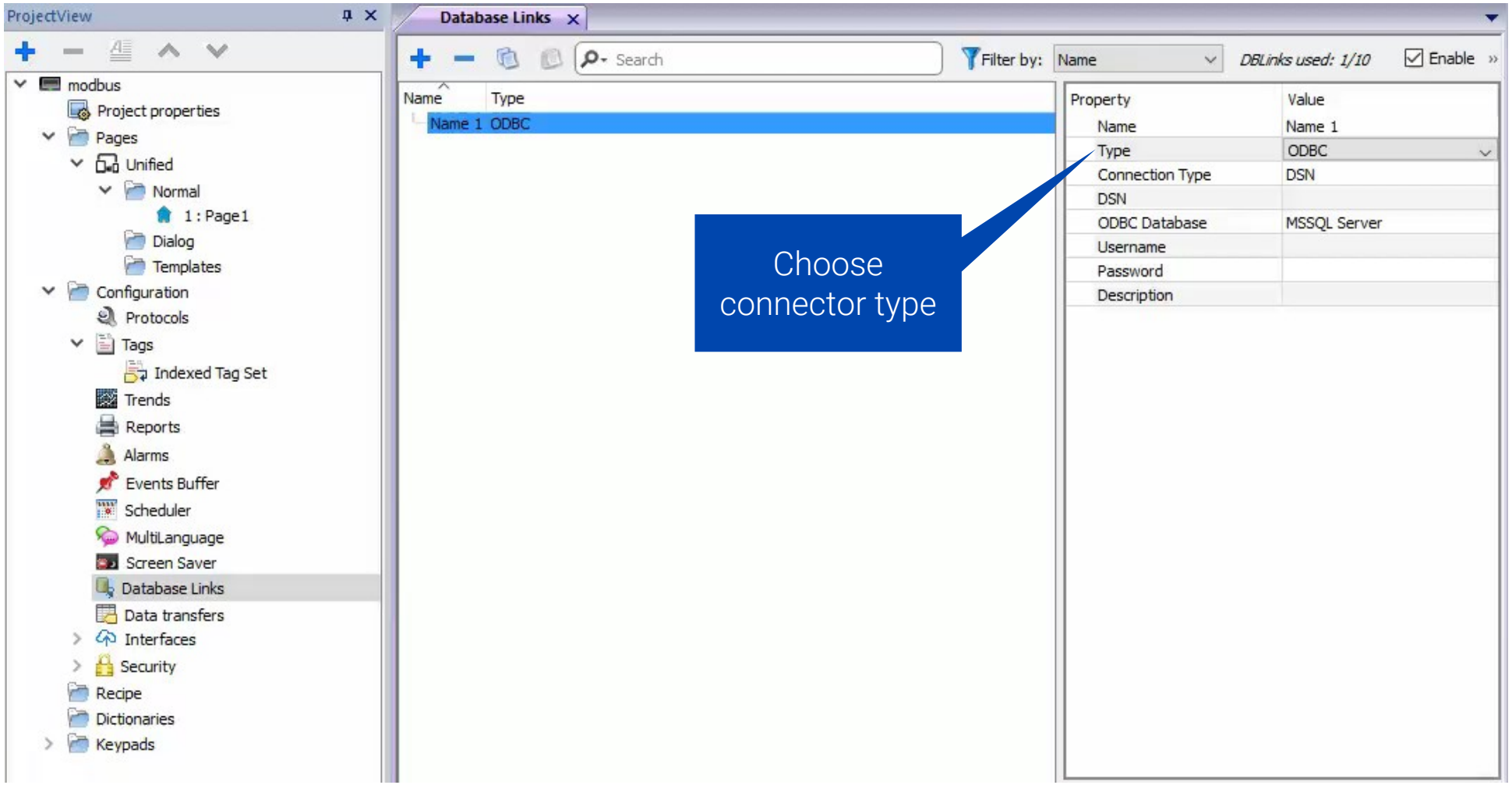
Web support

Table View

Full Technology support

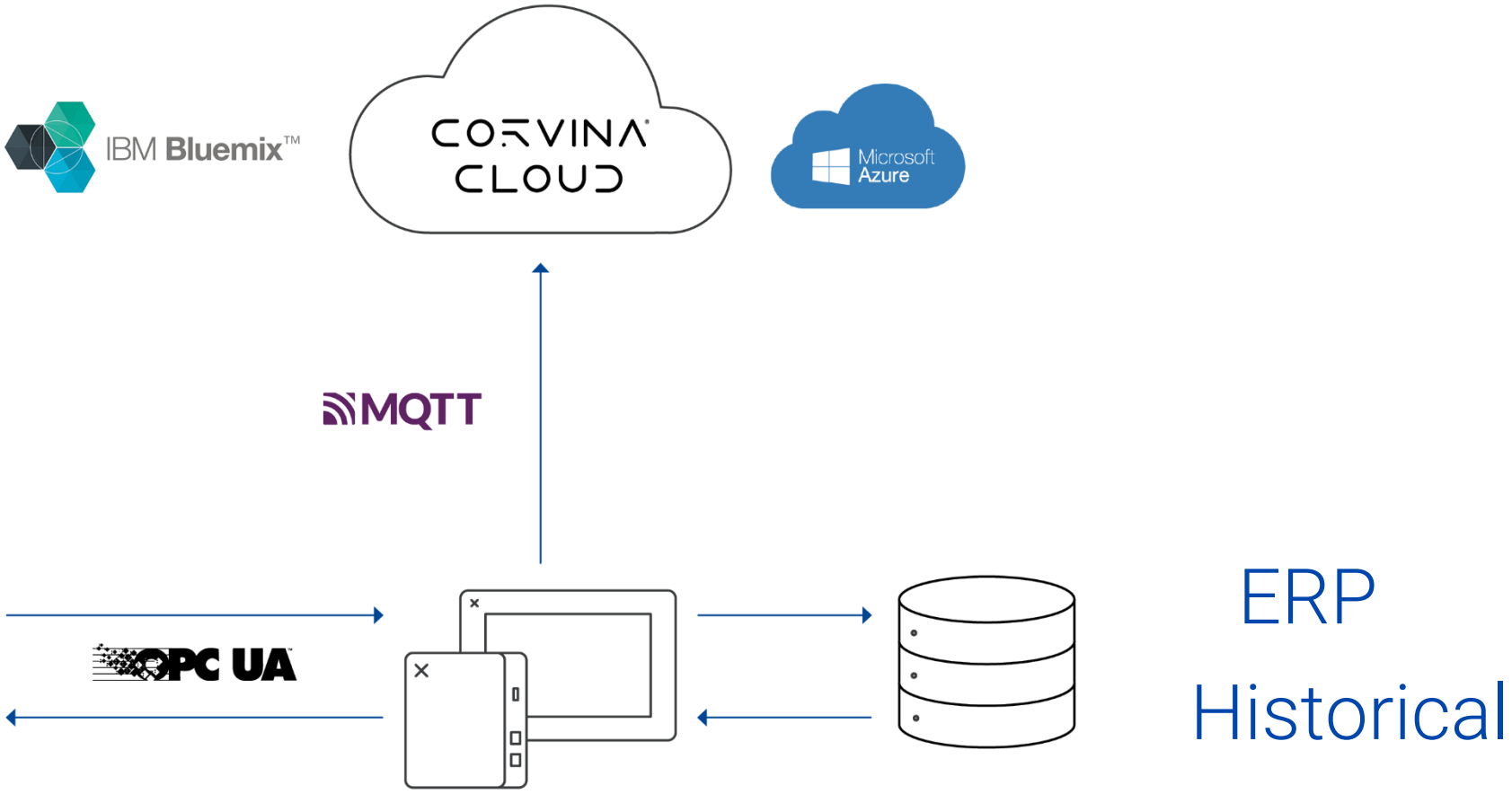
©2020 EXOR International S.p.A. All rights reserved

Native support for connecting SQL Databases



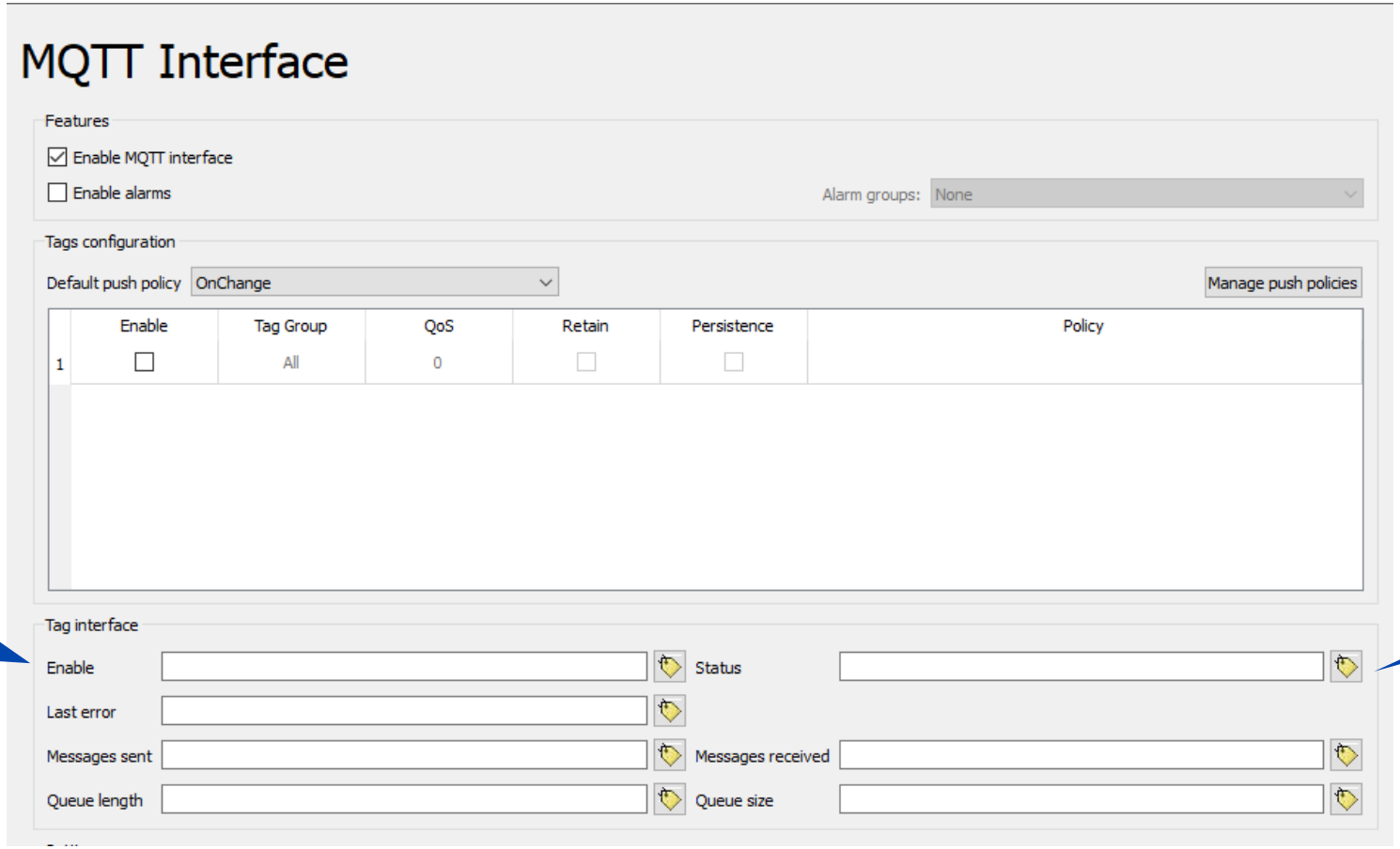
©2020 EXOR International S.p.A. All rights reserved

Production Data



©2020 EXOR International S.p.A. All rights reserved

Added MQTT Tag interface

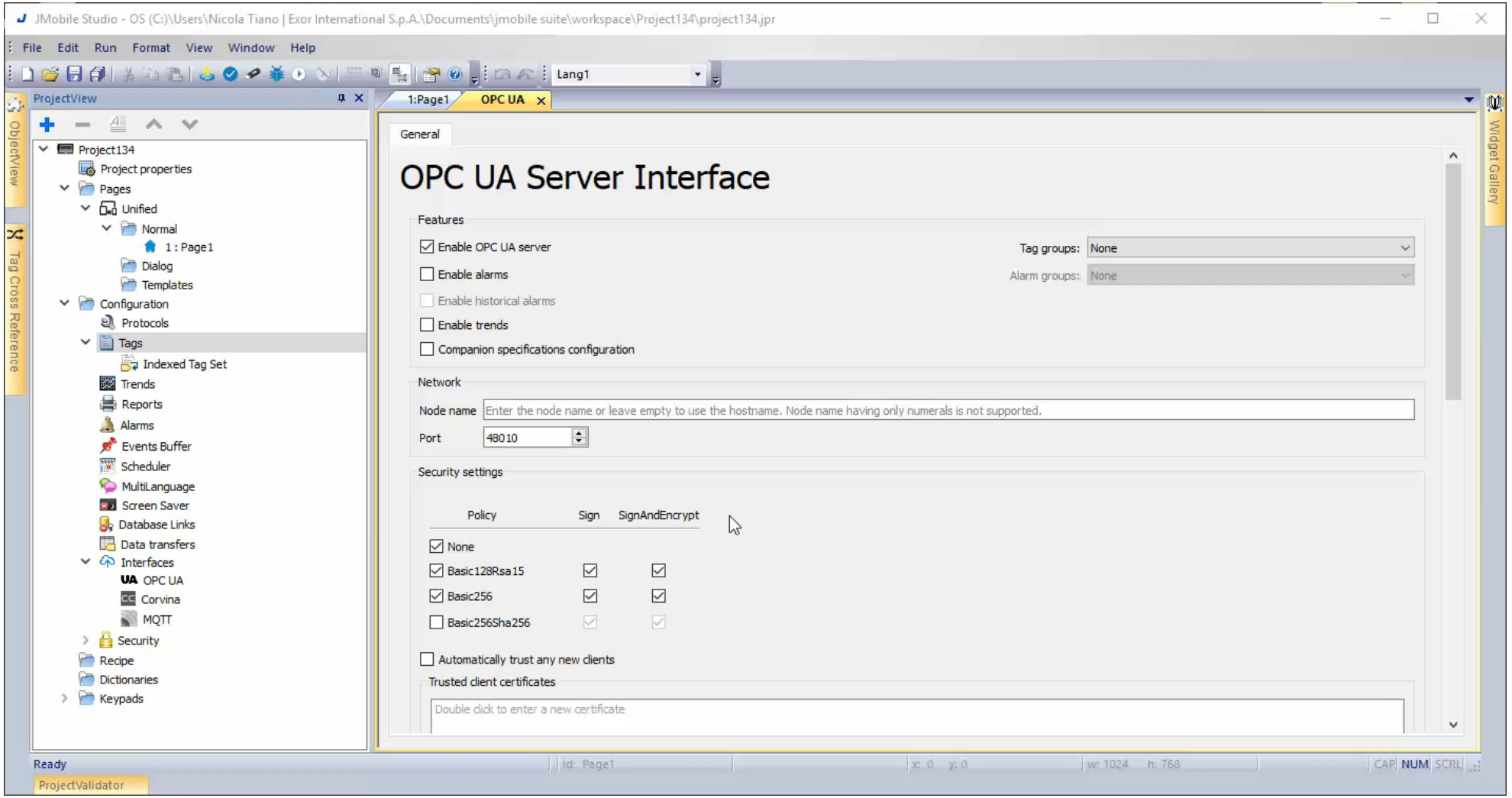


Enable at Runtime

Display status on a Tag

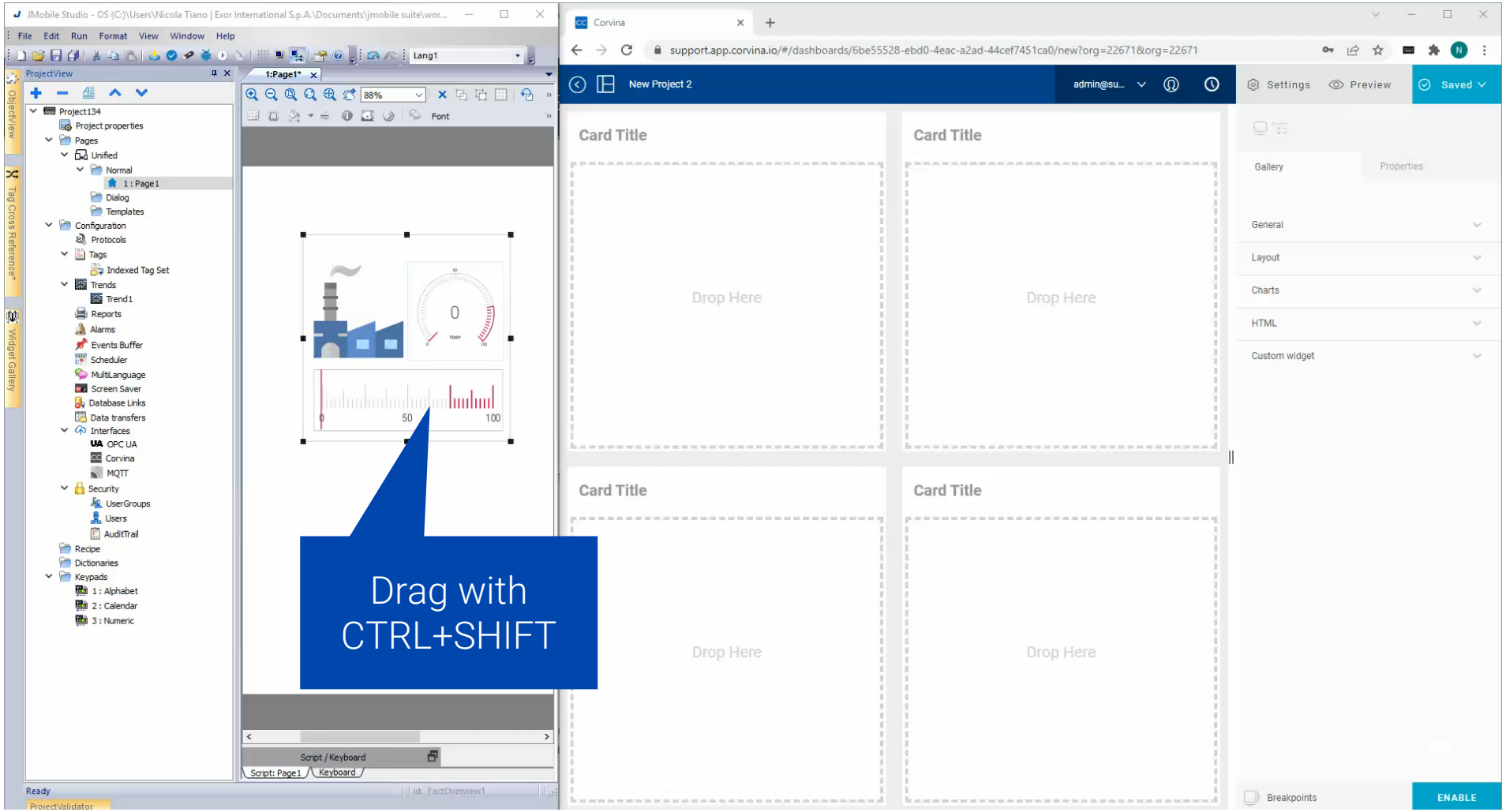
©2020 EXOR International S.p.A. All rights reserved

Added Companion Specification to OPC UA Server



©2020 EXOR International S.p.A. All rights reserved

Transfer Widget* to Corvina Cloud



* Custom Widget will full inheritance

©2020 EXOR International S.p.A. All rights reserved

New widgets

Cover more use cases

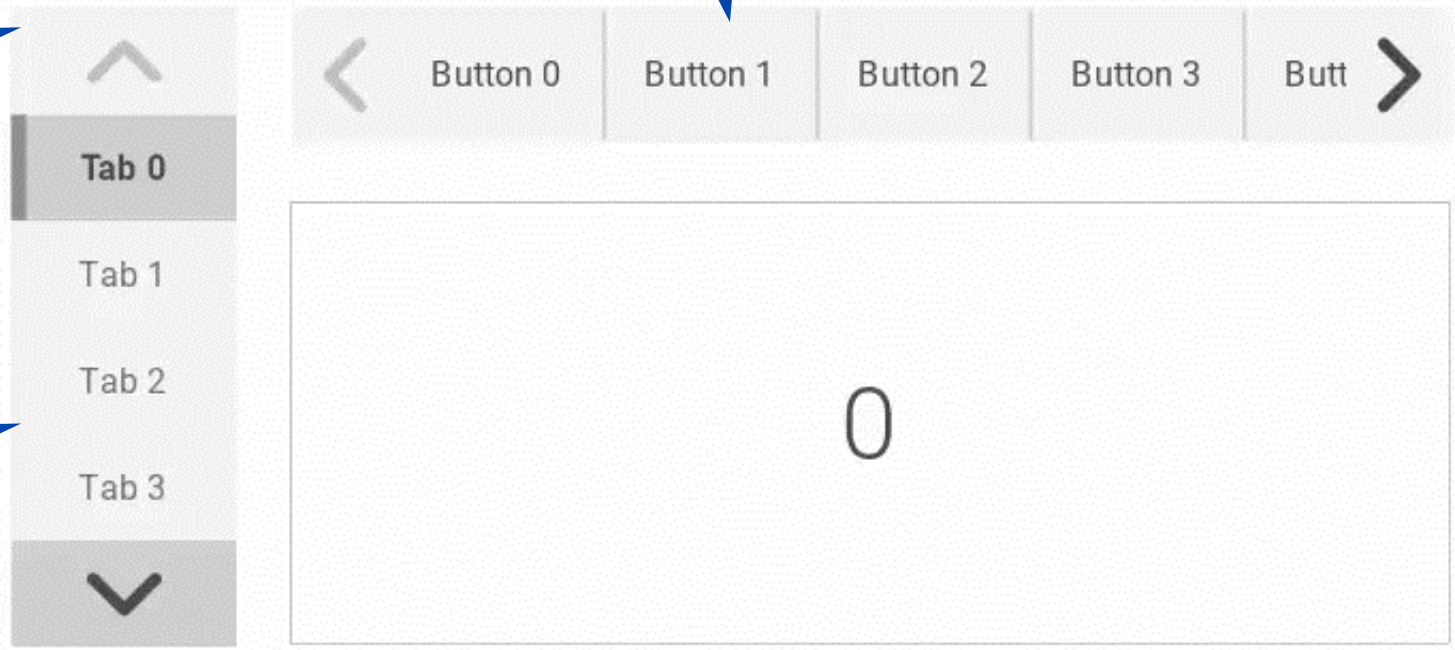
Tab and Toolbar widgets

©2020 EXOR International S.p.A. All rights reserved

Embedded scrolling

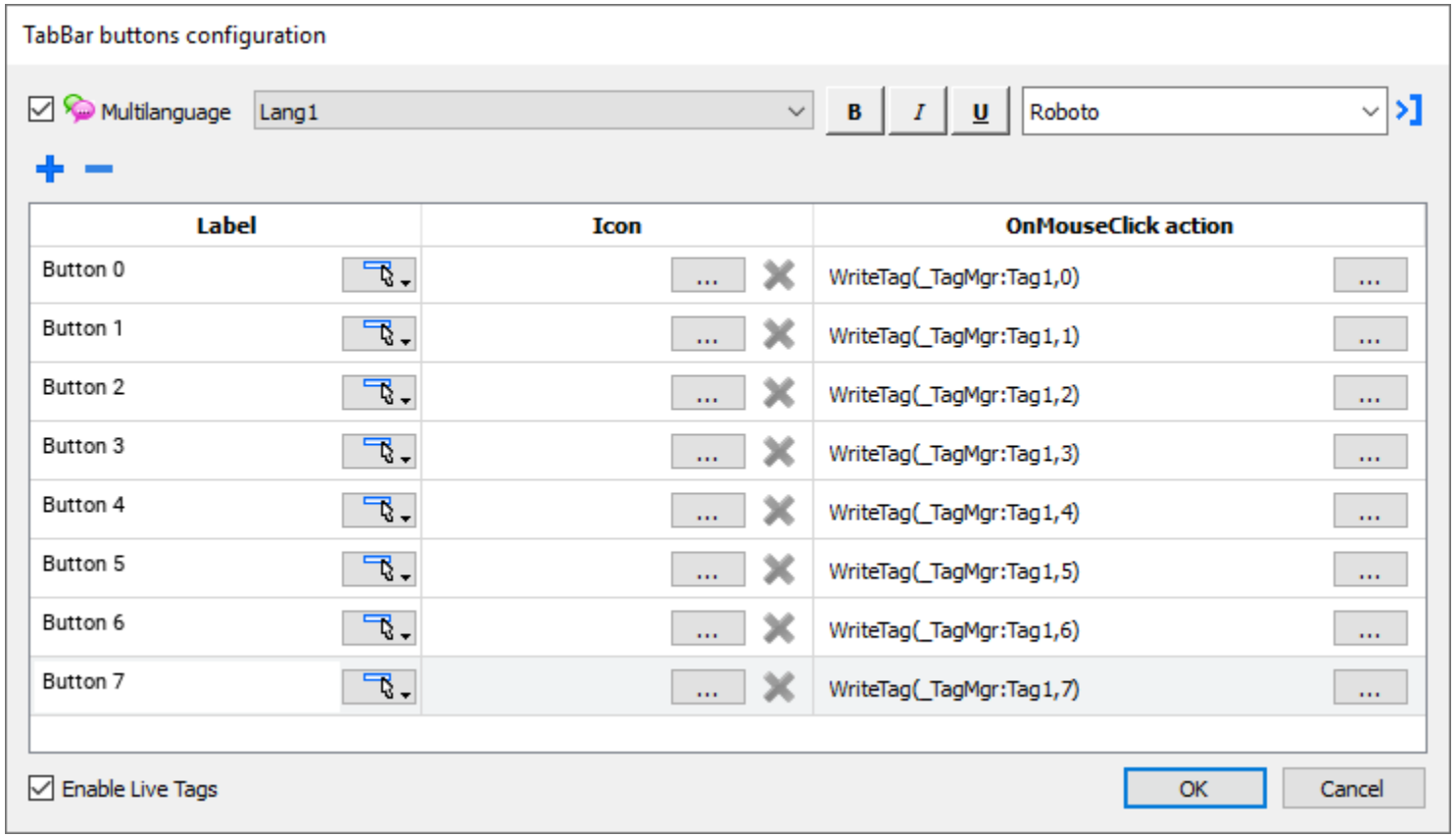
Automatic navigation buttons

Highlight on last selected item



©2020 EXOR International S.p.A. All rights reserved

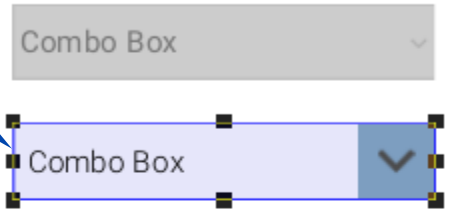
Ready to use for toolbar actions or selectors



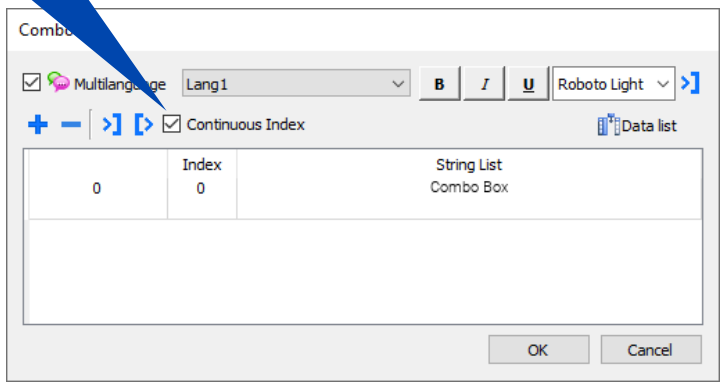
©2020 EXOR International S.p.A. All rights reserved

Combo boxes (renovation)

Fully customizable



Added support for not continuous index



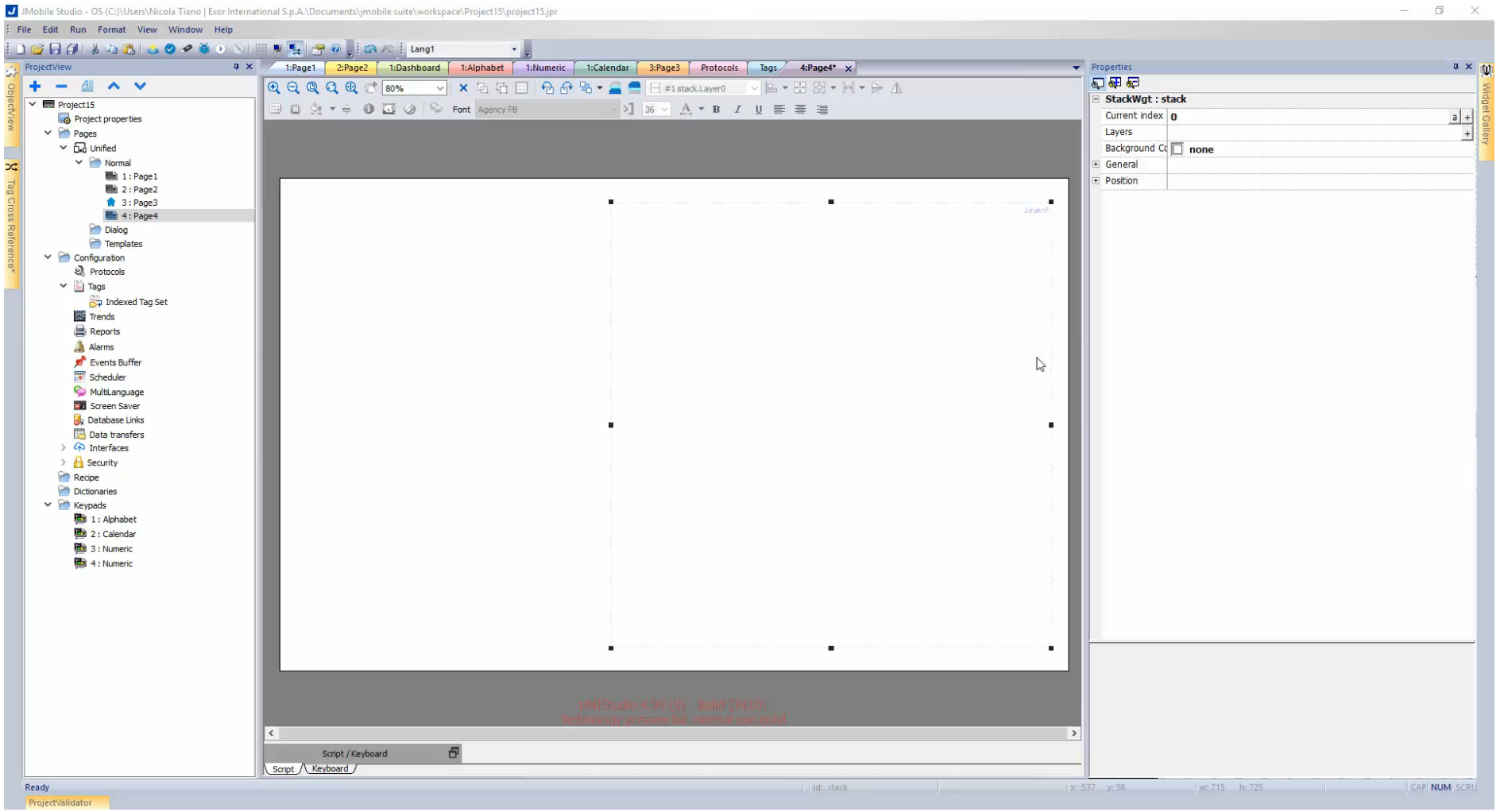
OnDeactivate Action	
Text	
Font	Roboto Light
Font Color	[0, 0, 0]
Font Size	12
Font Style	normal
Font Bold	false
Font Antialiasing	true
Type	custom
Border width	1
Border color	[0, 0, 255]
Background color	[230, 230, 250]
DropList	
Button width	40
Button background Color	[125, 158, 192]
Button icon	
Button image width	20
Button image height	20
Background Color	[255, 255, 255]
Selection Background Color	[0, 176, 199]
Font Color	[0, 0, 0]
Selection Font Color	[255, 255, 255]
Border Color	[60, 179, 113]
Border Width	1
Item Height	0

New modern type

More style options

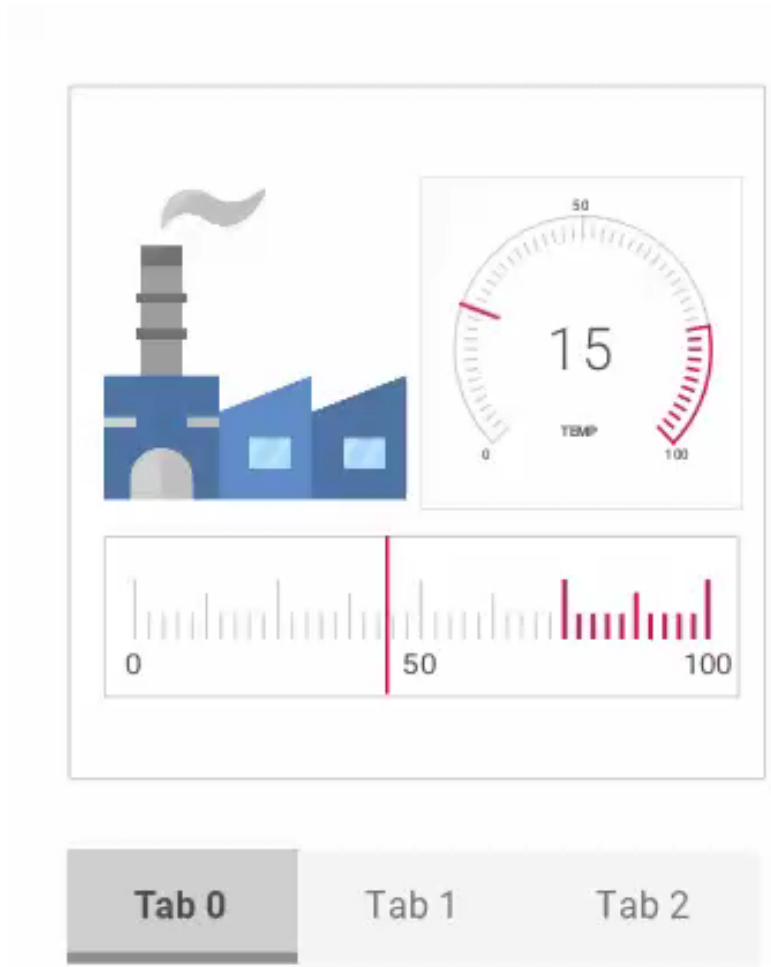
©2020 EXOR International S.p.A. All rights reserved

Stack widget | Layers management both in design time and in runtime



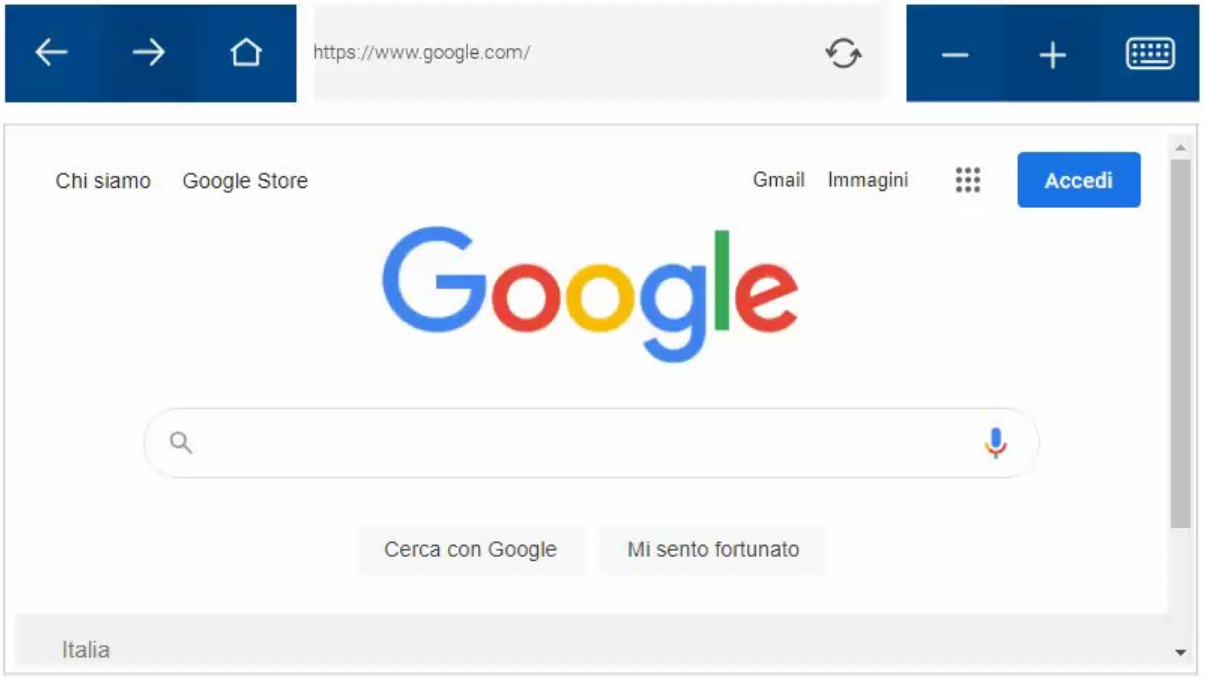
©2020 EXOR International S.p.A. All rights reserved

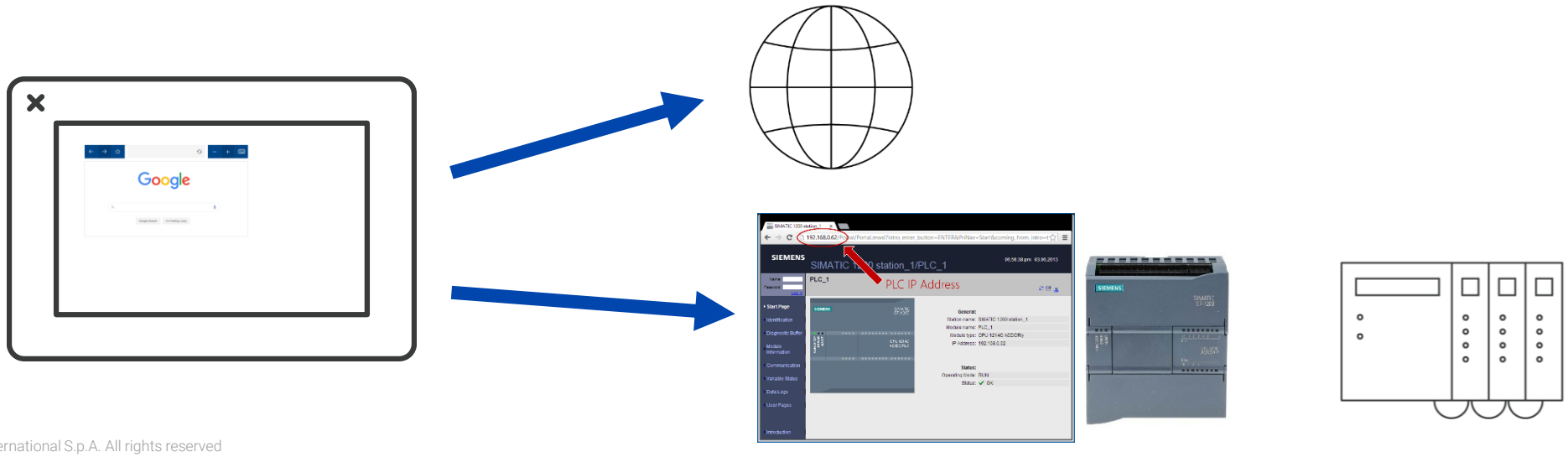
Stack widget | Layers management both in design time and in runtime



©2020 EXOR International S.p.A. All rights reserved

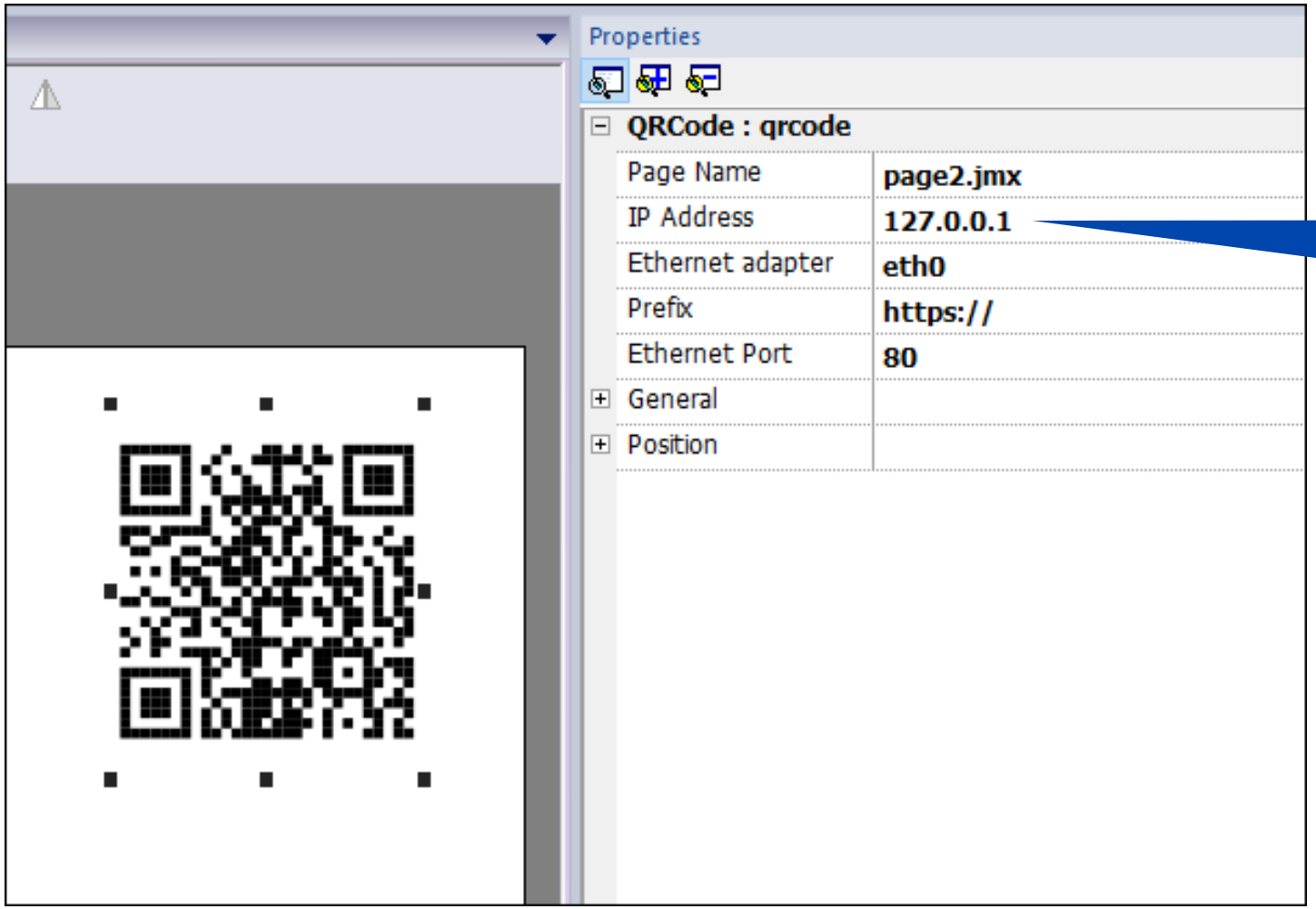
Web Engine widget





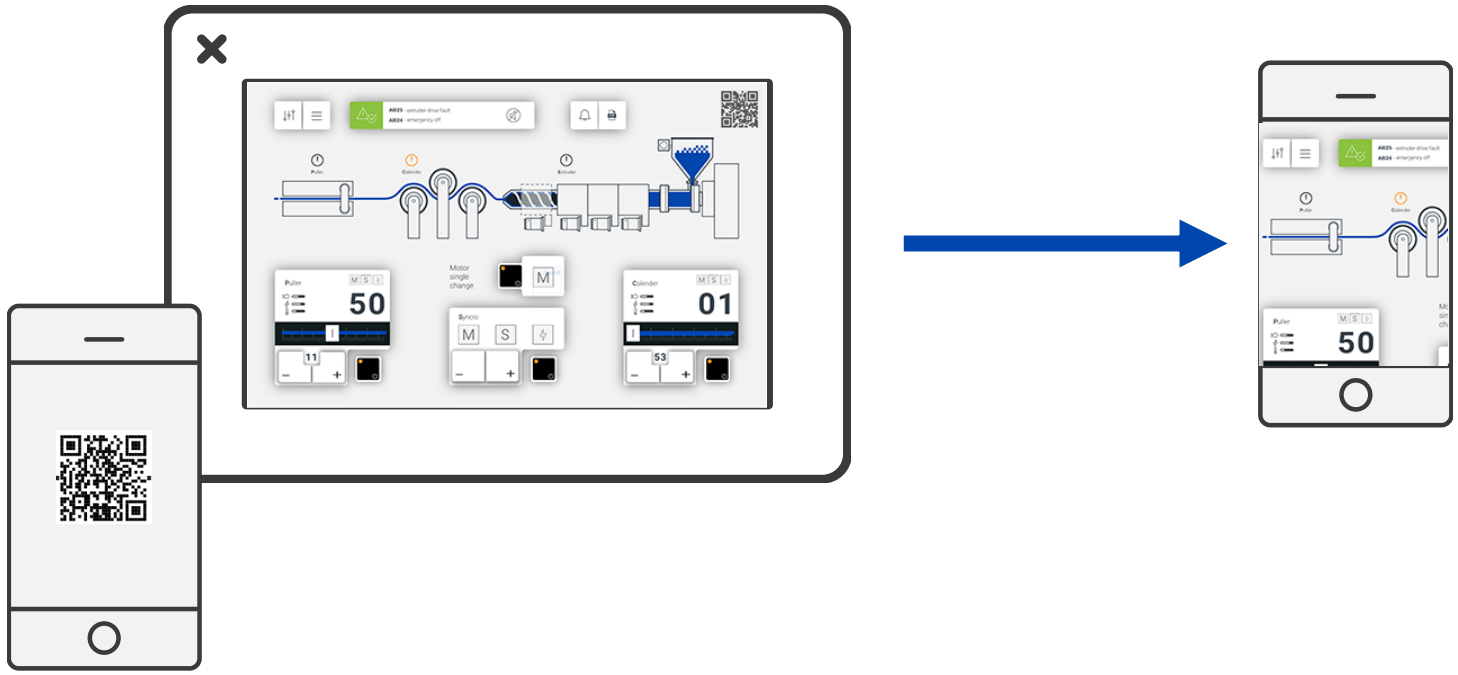
©2020 EXOR International S.p.A. All rights reserved

QR code widget



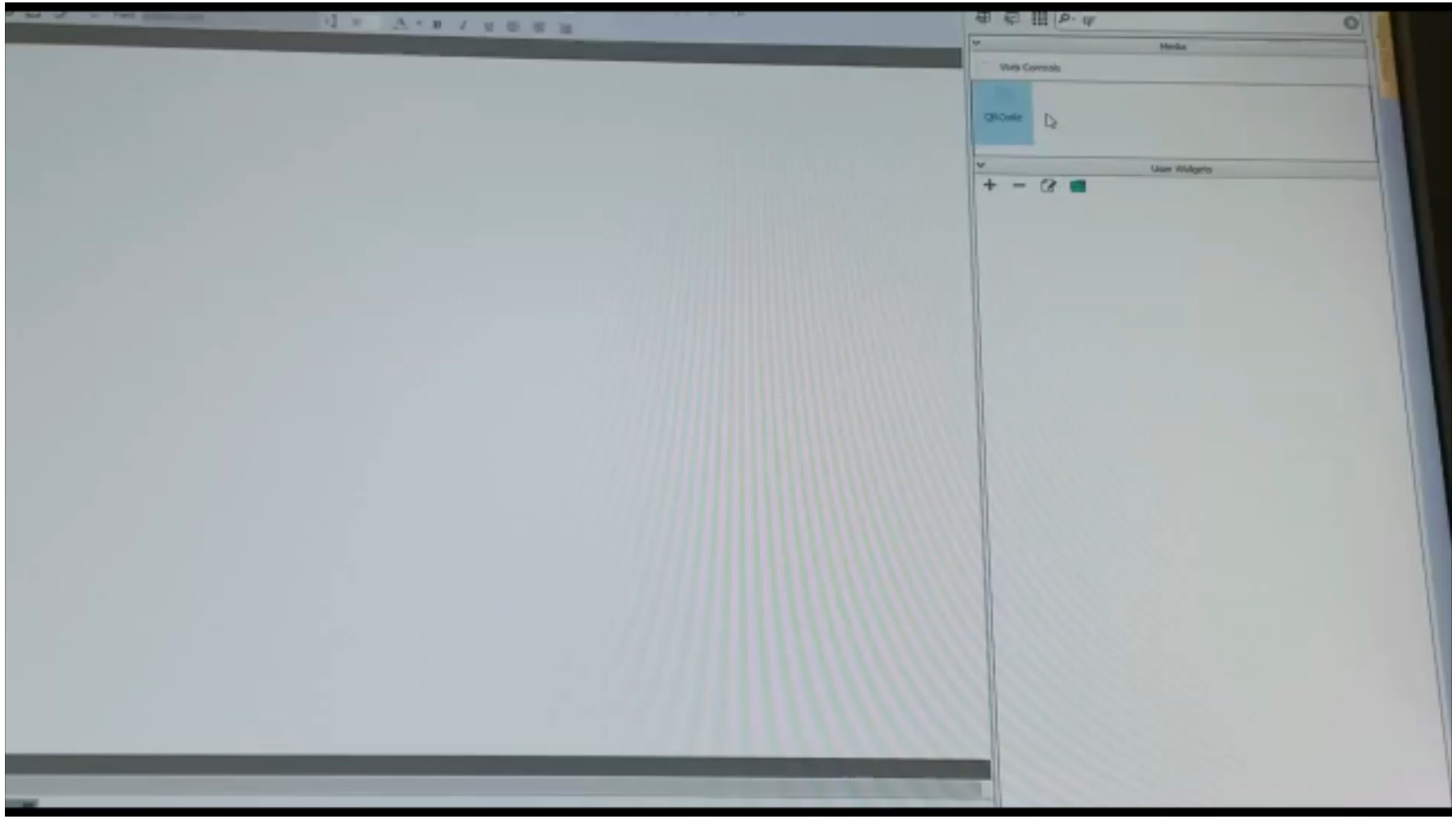
©2020 EXOR International S.p.A. All rights reserved

JM4Web integrated:
Easy “jump” on a specific web page of JMobile project



©2020 EXOR International S.p.A. All rights reserved

QR code widget

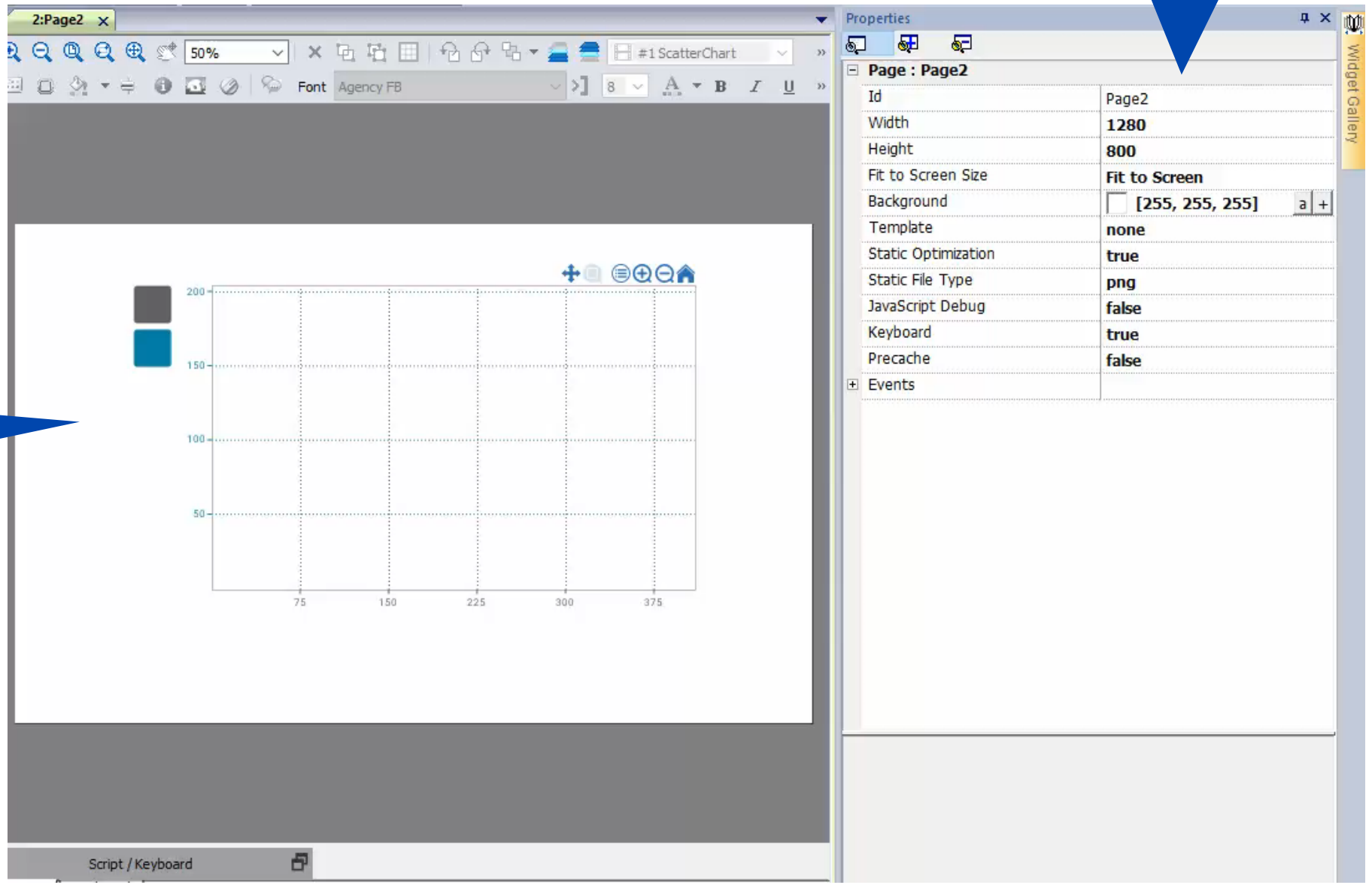


©2020 EXOR International S.p.A. All rights reserved

Chart widget

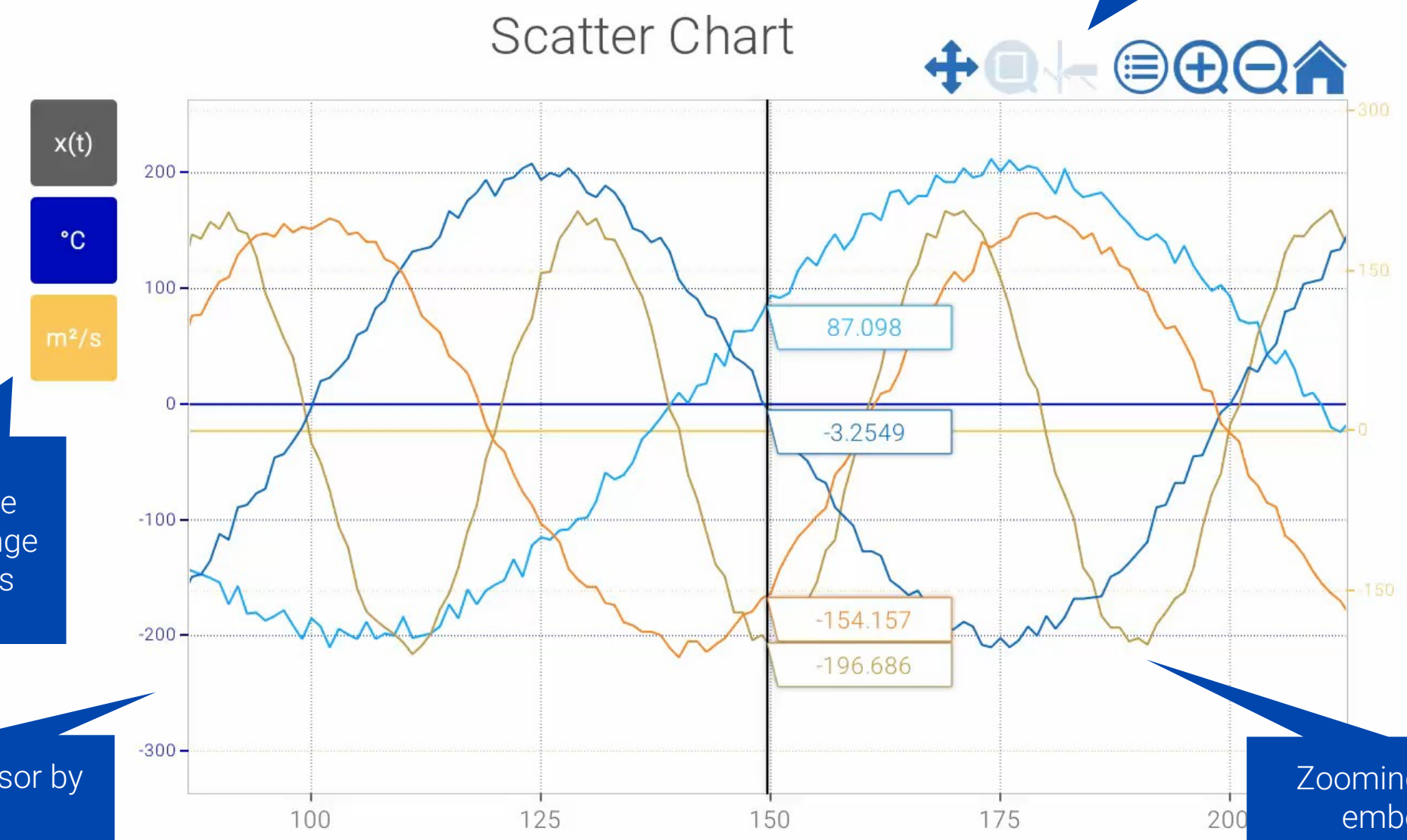
Fully configurable by properties

Axis automatic adjustment



©2020 EXOR International S.p.A. All rights reserved

Embedded toolbar



Buttons to toggle visibility and change Min/Max on Axis

Values on cursor by default

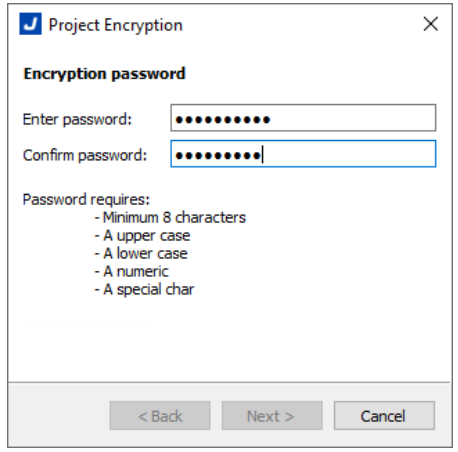
Zooming gesture embedded

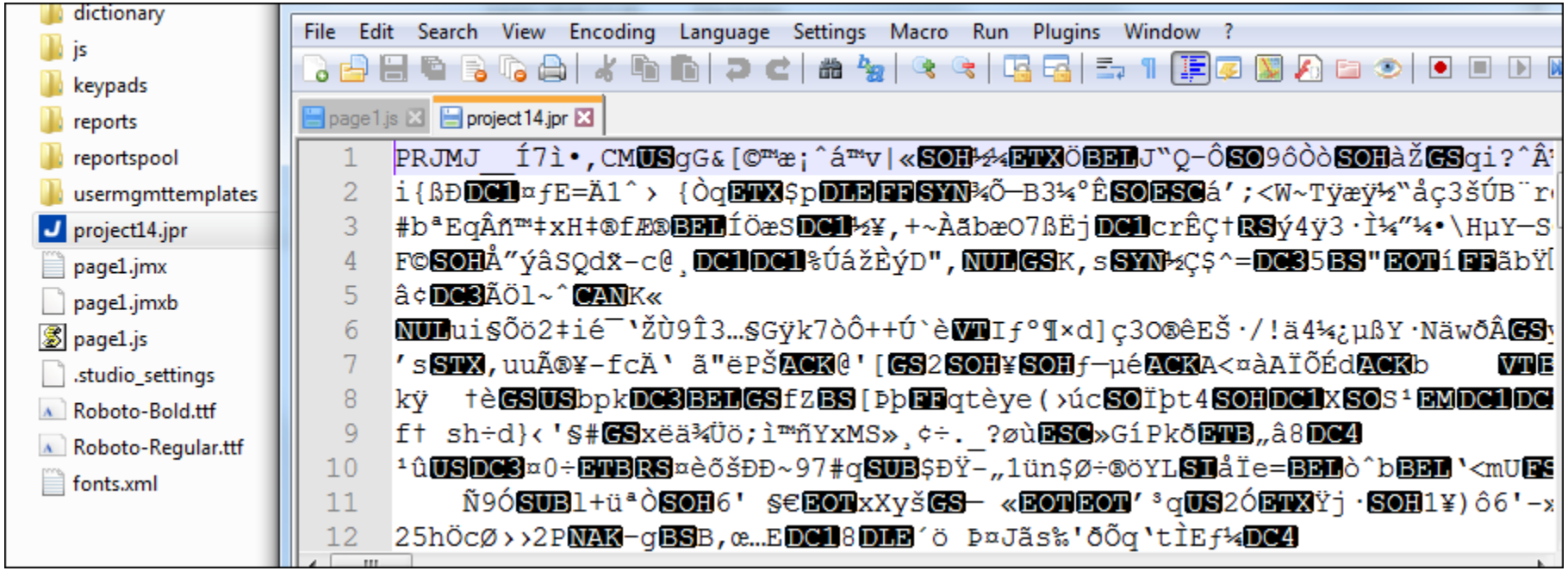
©2020 EXOR International S.p.A. All rights reserved

Security

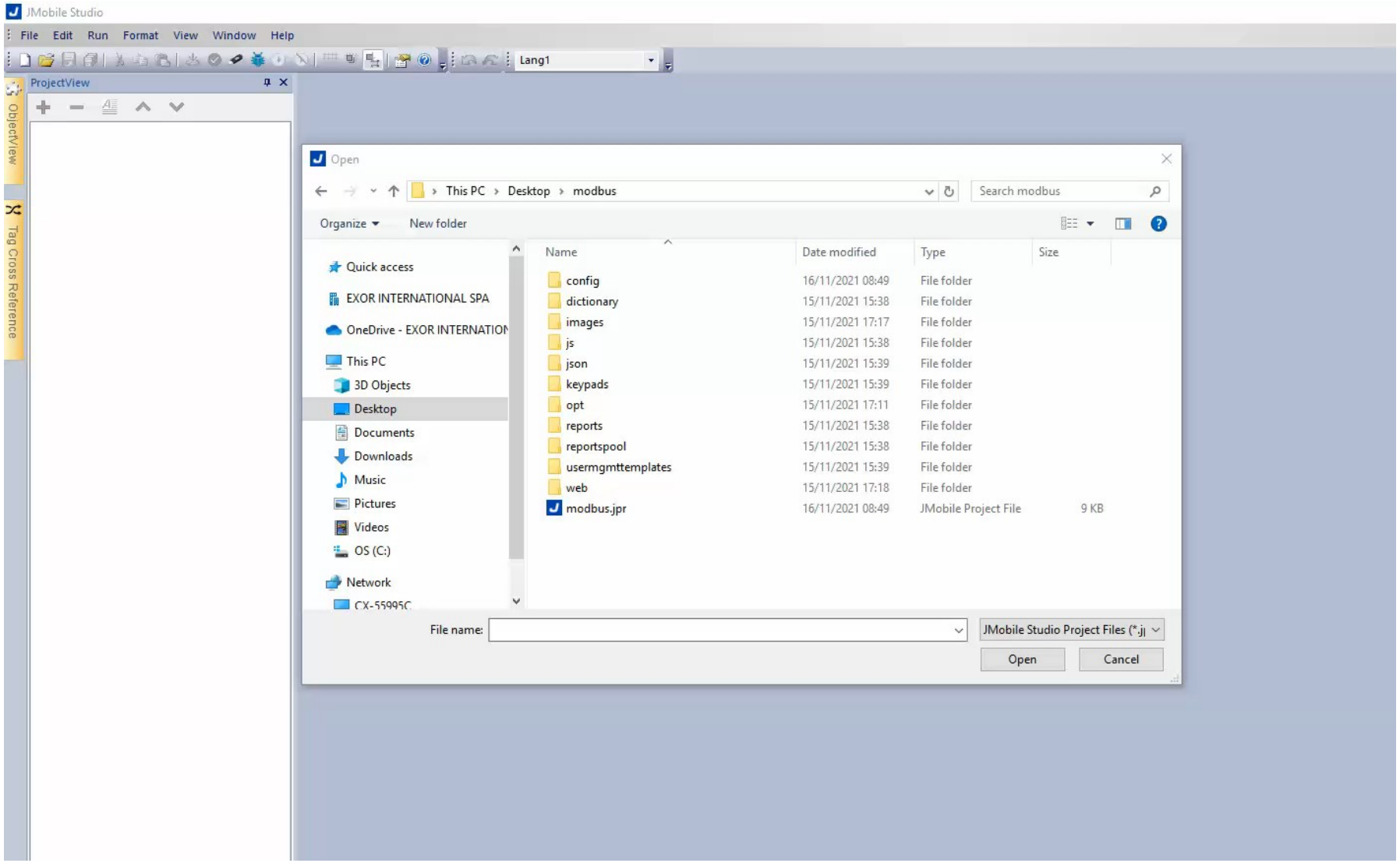
Protect your data

Encryption of all project files
Requires password for opening and for running application



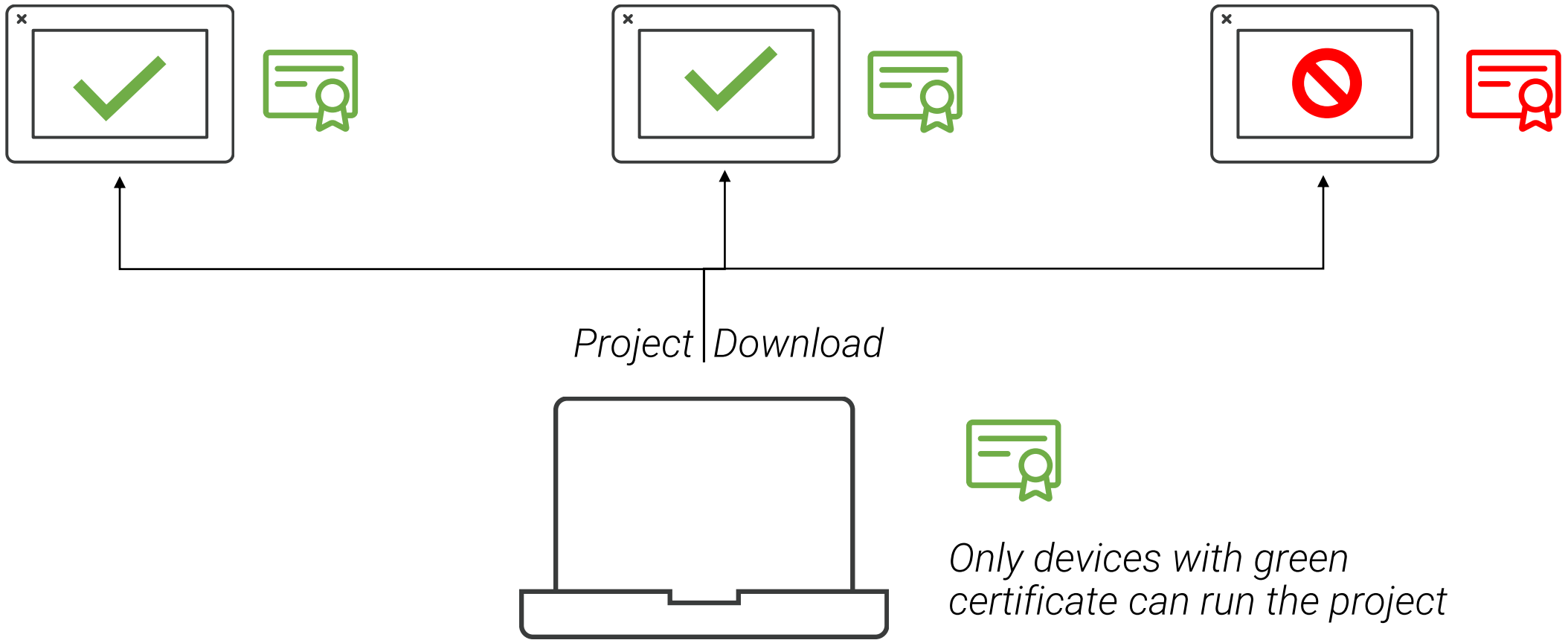


©2020 EXOR International S.p.A. All rights reserved



©2020 EXOR International S.p.A. All rights reserved

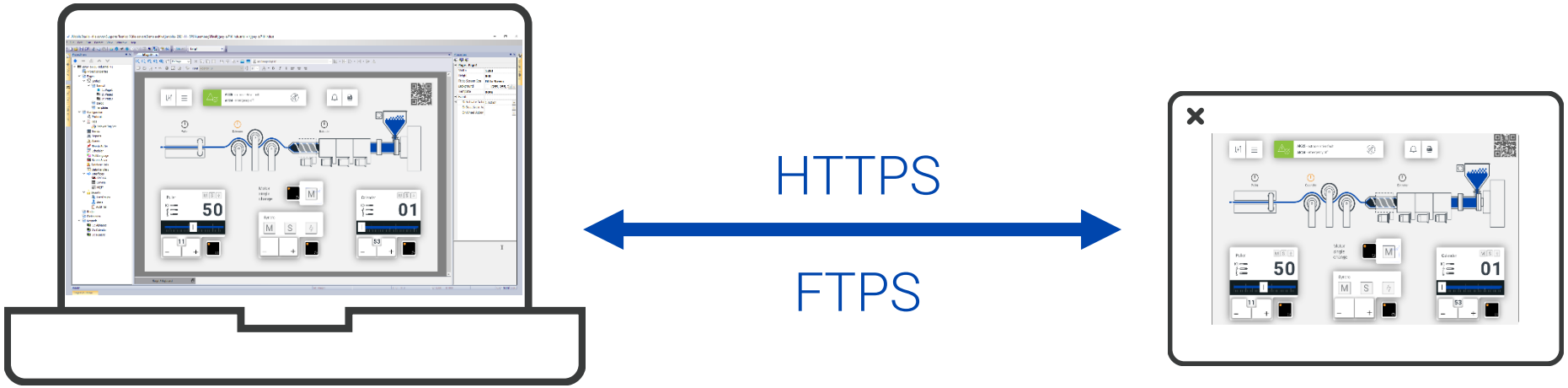
Project signature run on certified hardware only



Only devices with green certificate can run the project

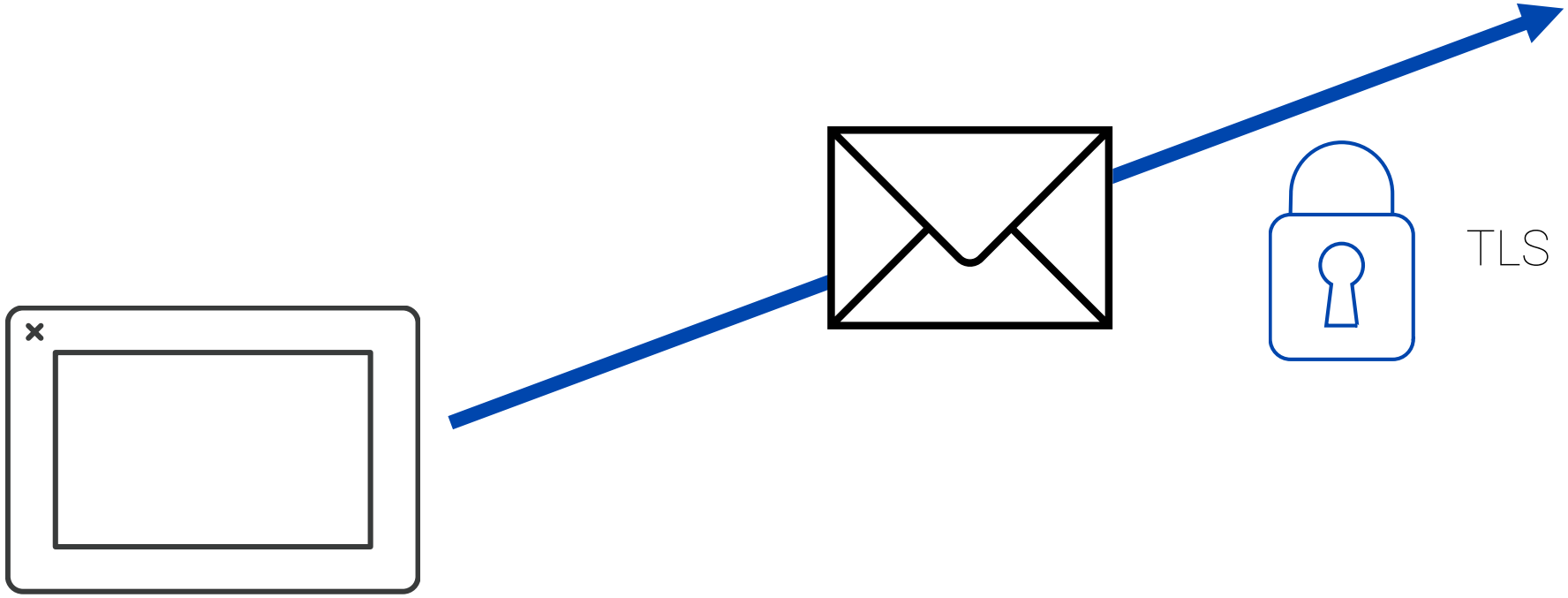
©2020 EXOR International S.p.A. All rights reserved

Transport channel secured



©2020 EXOR International S.p.A. All rights reserved

Send Email with TLS security

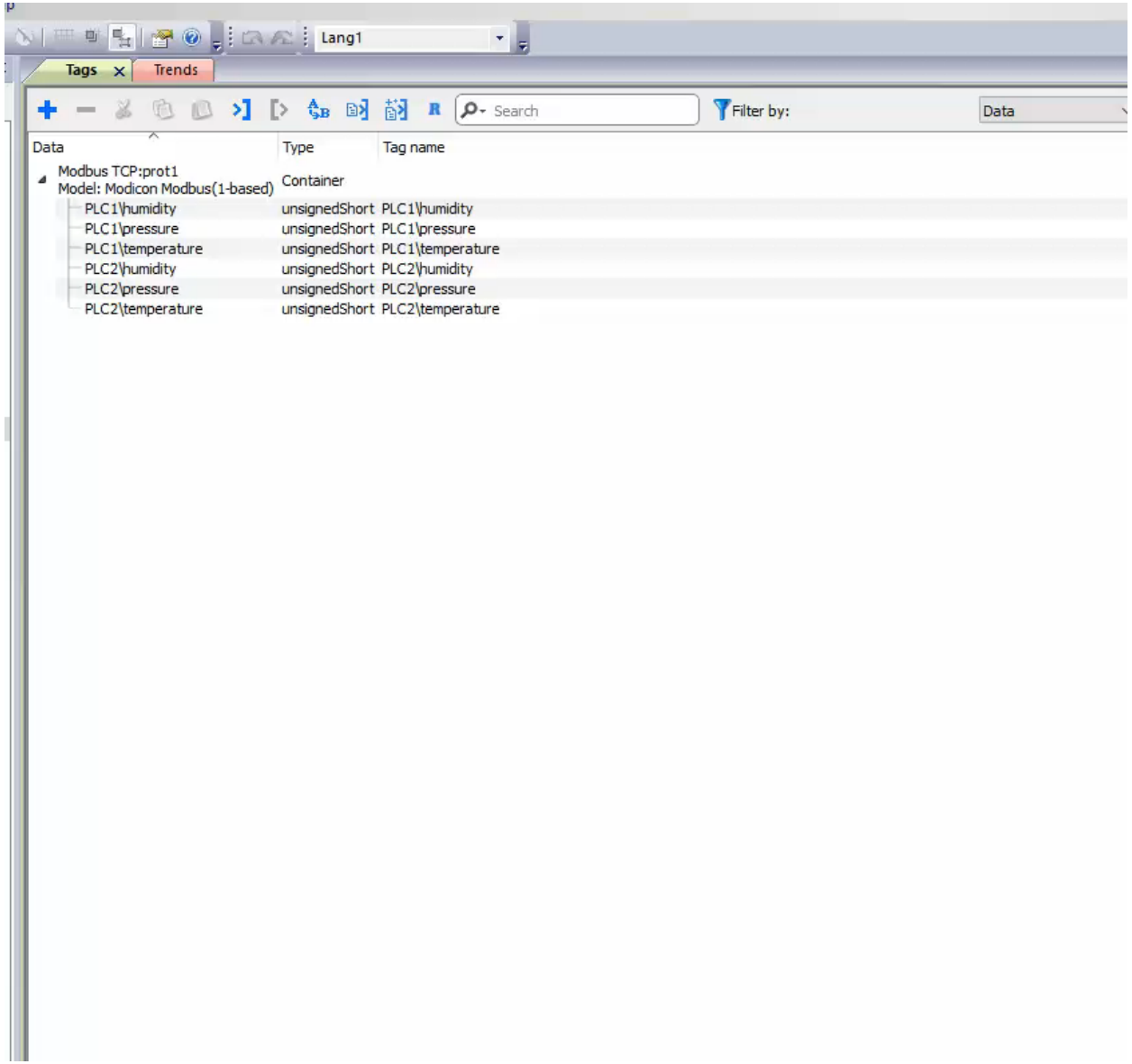


©2020 EXOR International S.p.A. All rights reserved

Productivity

Reduce time to create a project

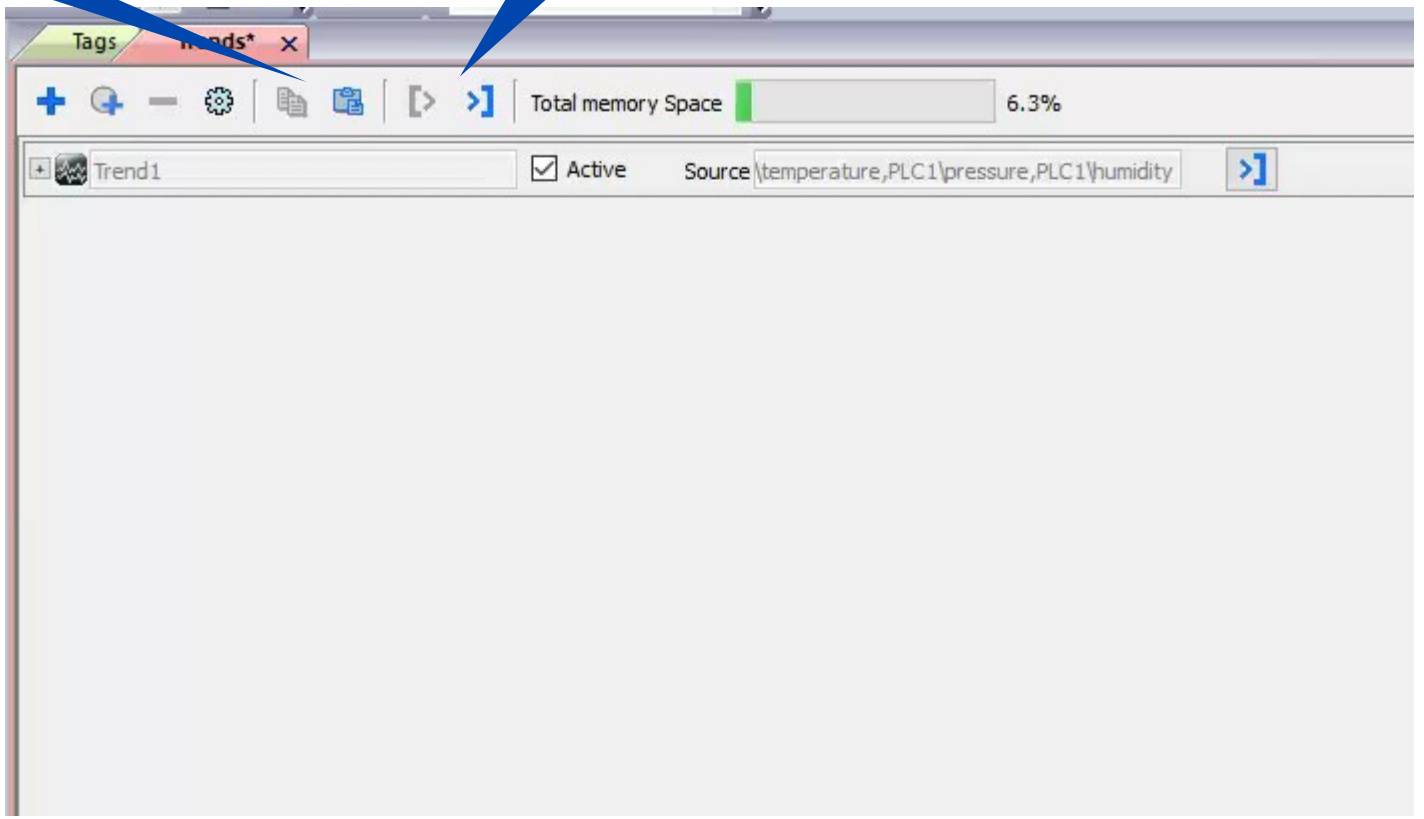
Trend automatic fill based on Tag names



©2020 EXOR International S.p.A. All rights reserved

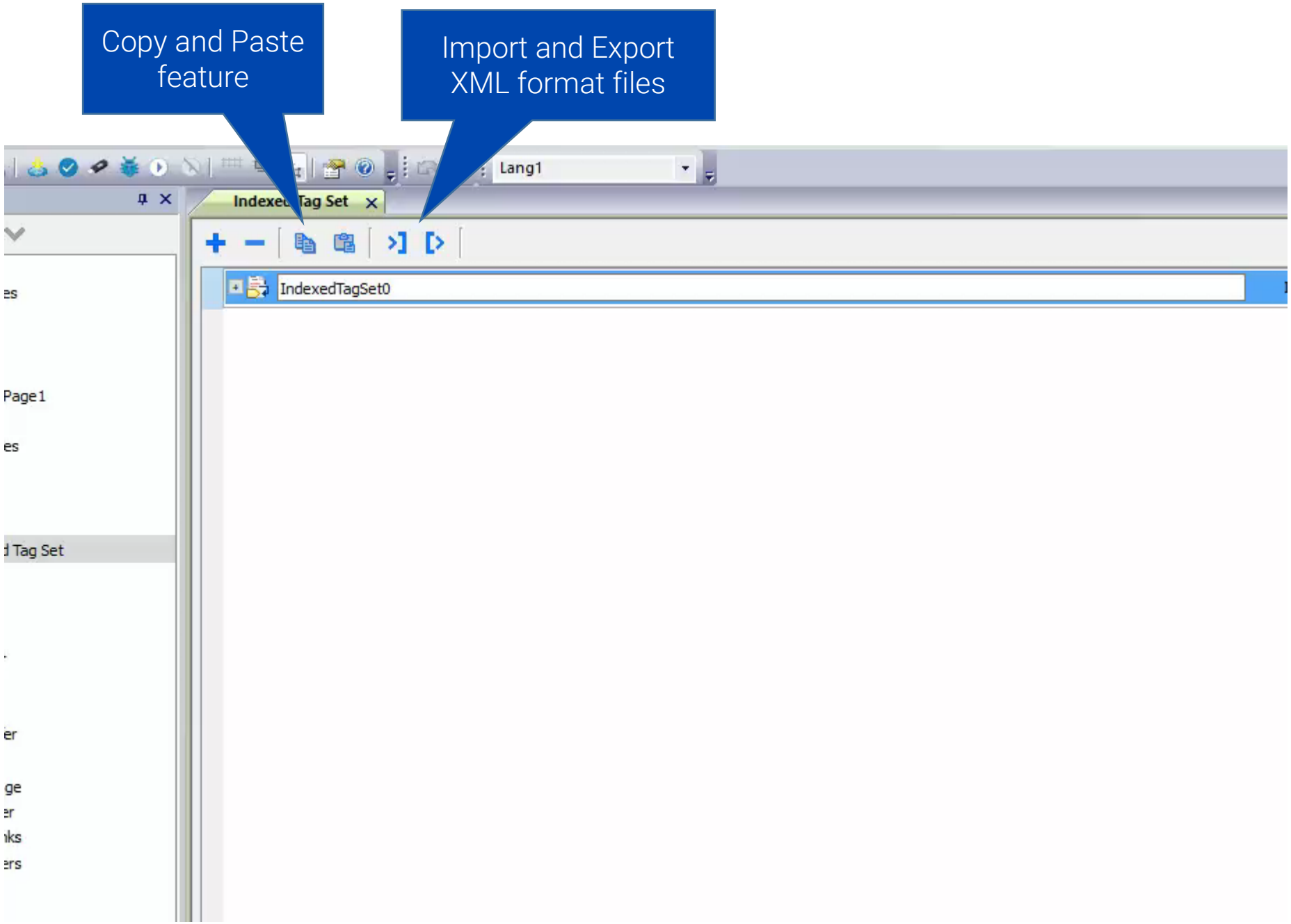
Copy and Paste feature

Import and Export XML format files



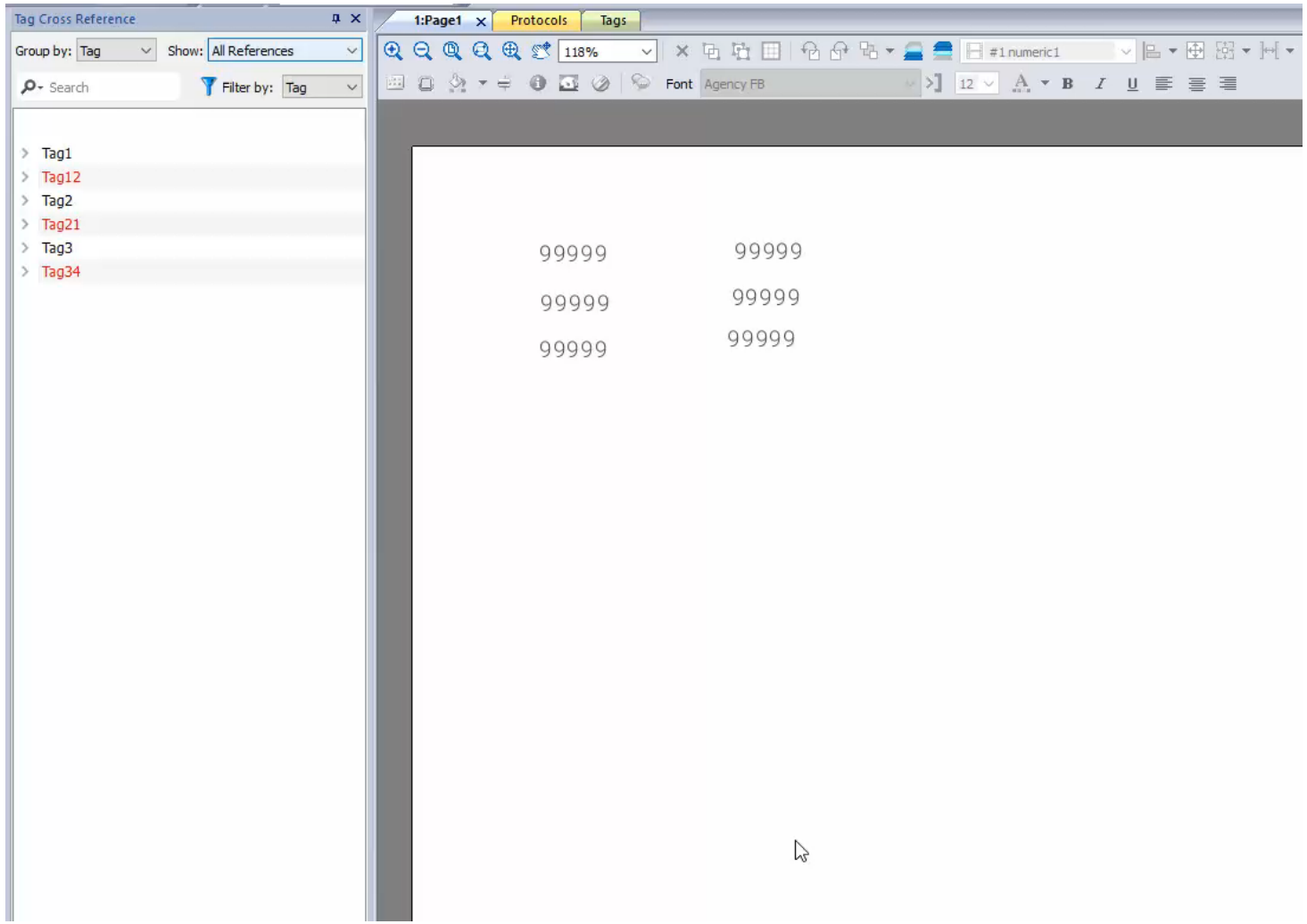
©2020 EXOR International S.p.A. All rights reserved

Indexed Tag Set Improvements



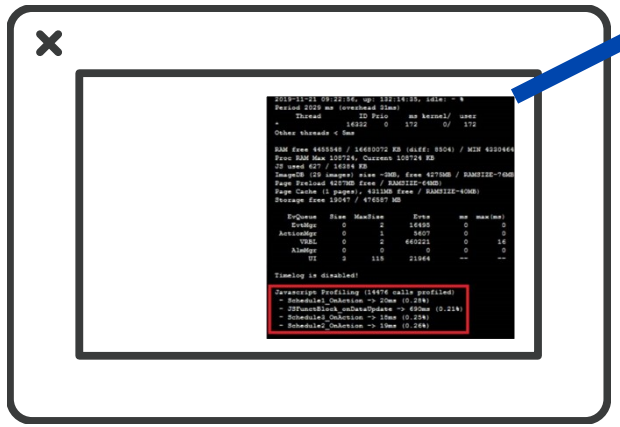
©2020 EXOR International S.p.A. All rights reserved

Replace on Invalid Tags (work on conflicts)



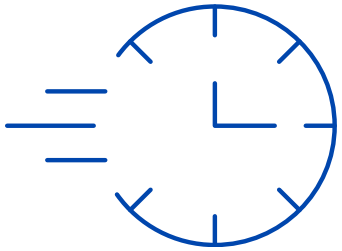
©2020 EXOR International S.p.A. All rights reserved

JavaScript profiler in Developer Tools



```
- function1 -> 20ms (0.28%)
- function2 -> 30ms (1.06%)
- function3 -> 80ms (5.43%)
```

Speed up analysis for complex projects



©2020 EXOR International S.p.A. All rights reserved

Improvements

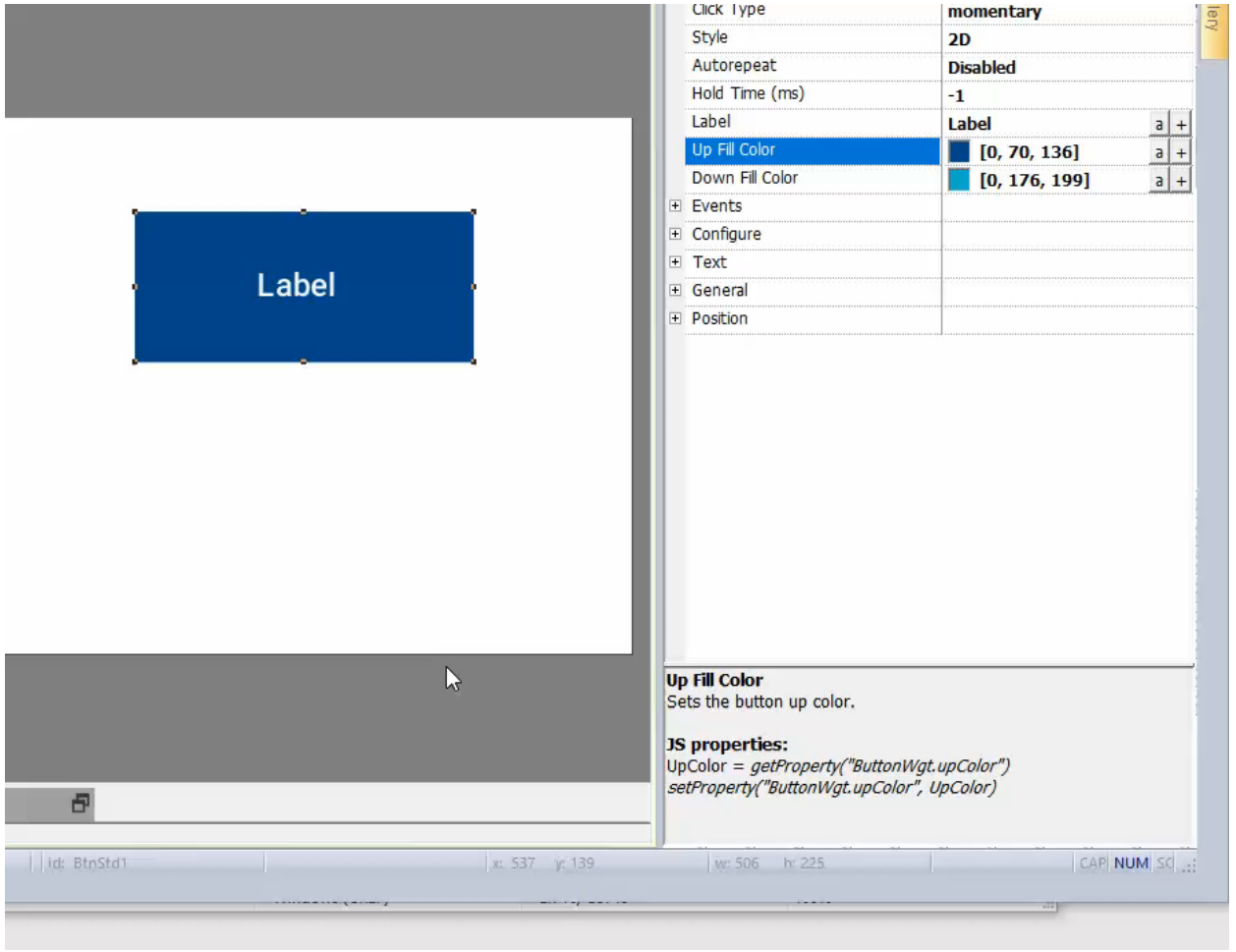
Bringing general benefits

CODESYS update to version 3.5 SP16

Release Notes

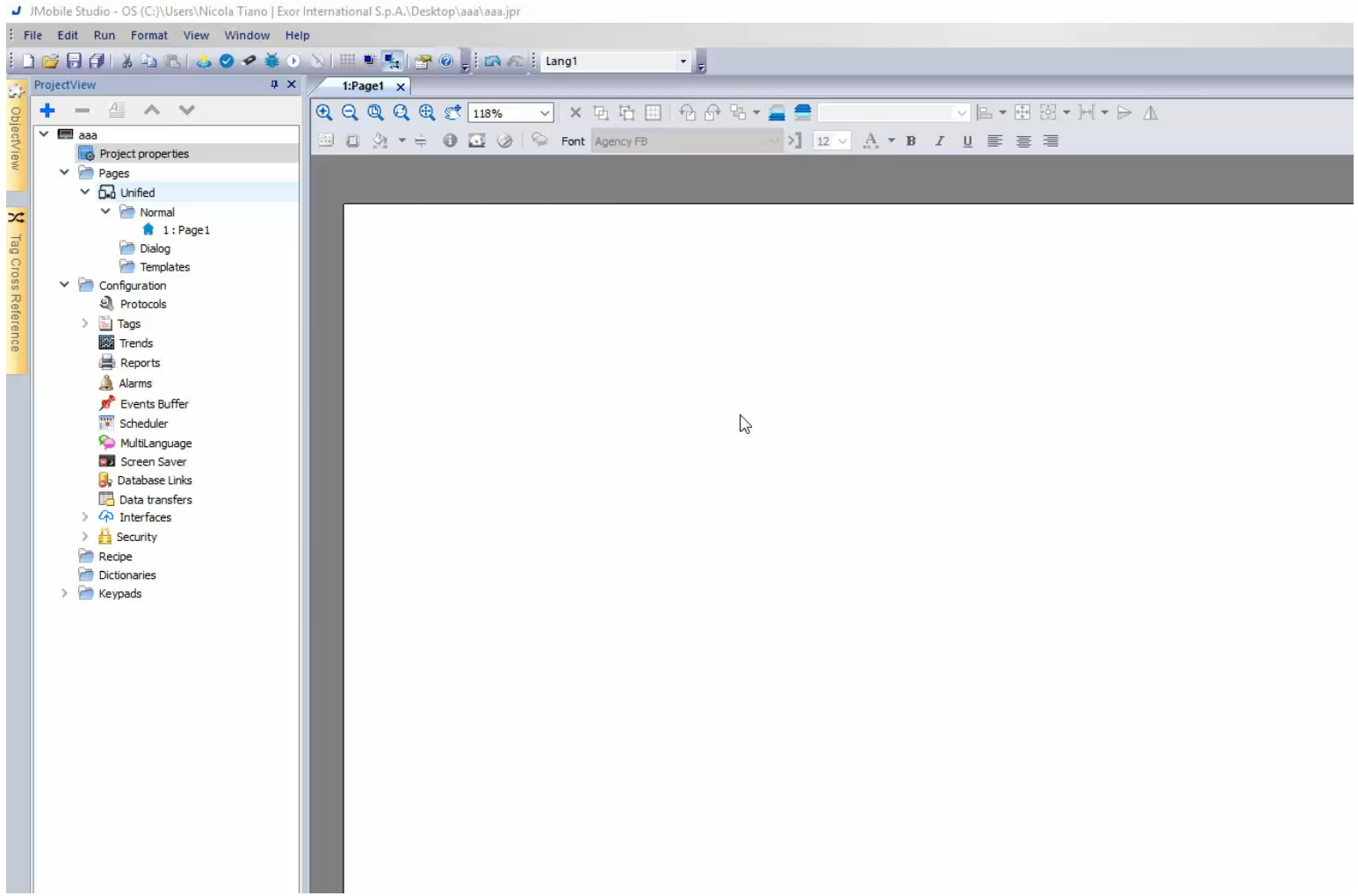
©2020 EXOR International S.p.A. All rights reserved

Pick color from any part of the screen



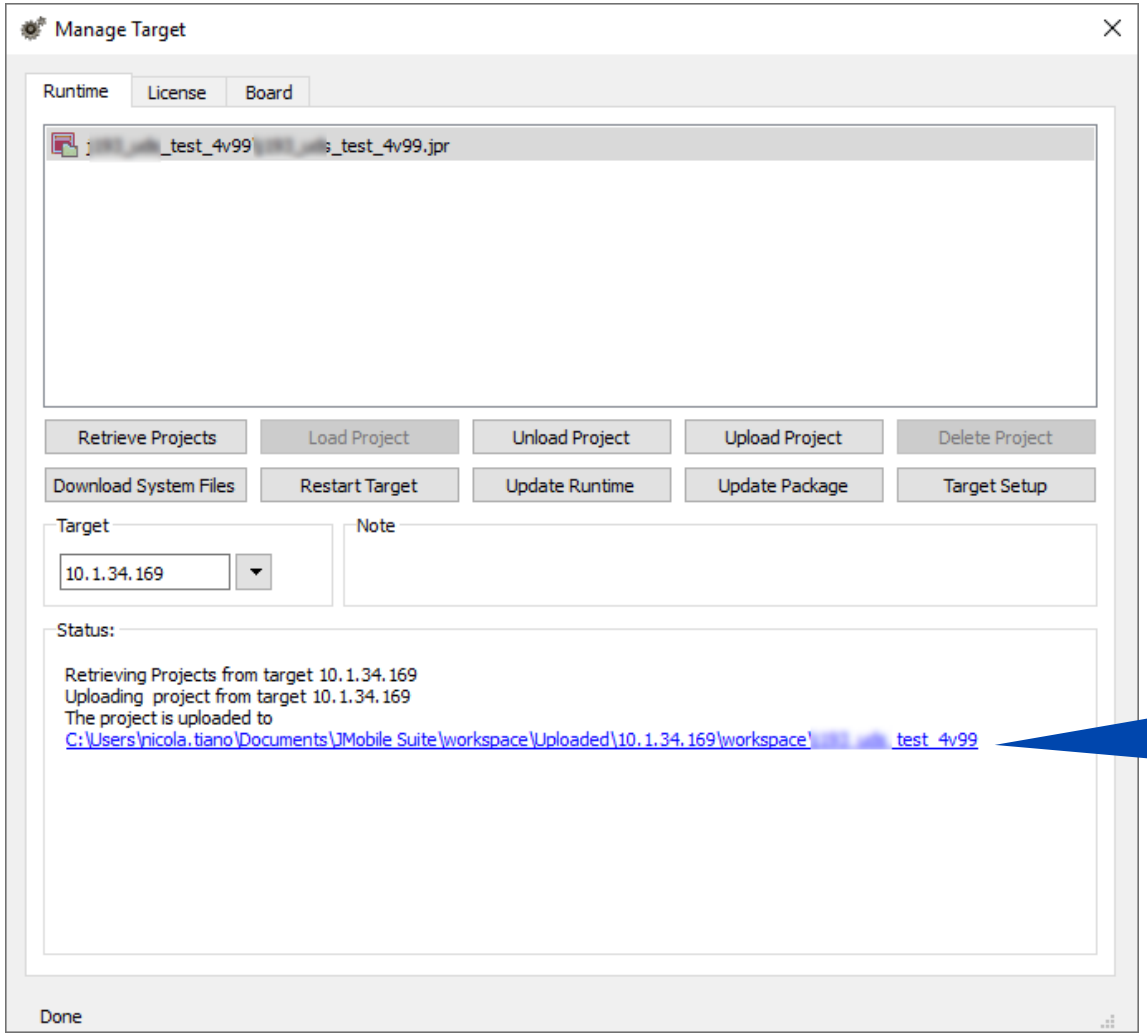
©2020 EXOR International S.p.A. All rights reserved

Quick right click to change project type



©2020 EXOR International S.p.A. All rights reserved

Quick link to open an uploaded project



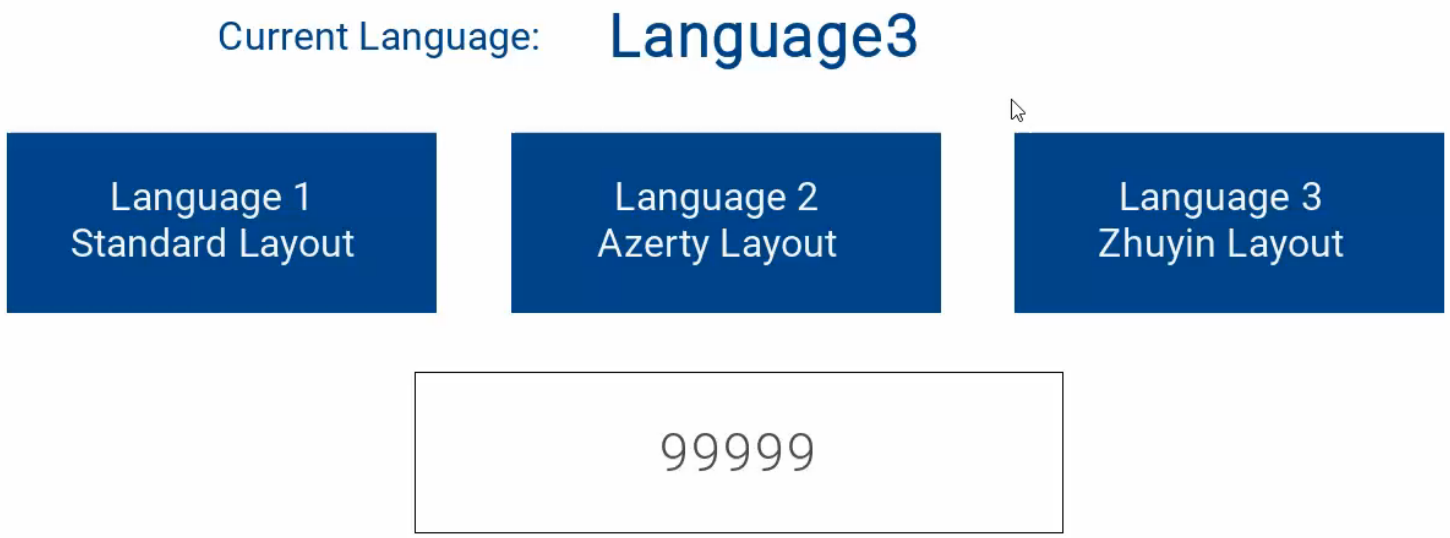
Click to open a project read from an HMI

©2020 EXOR International S.p.A. All rights reserved

Enhanced selectors for table-based widgets

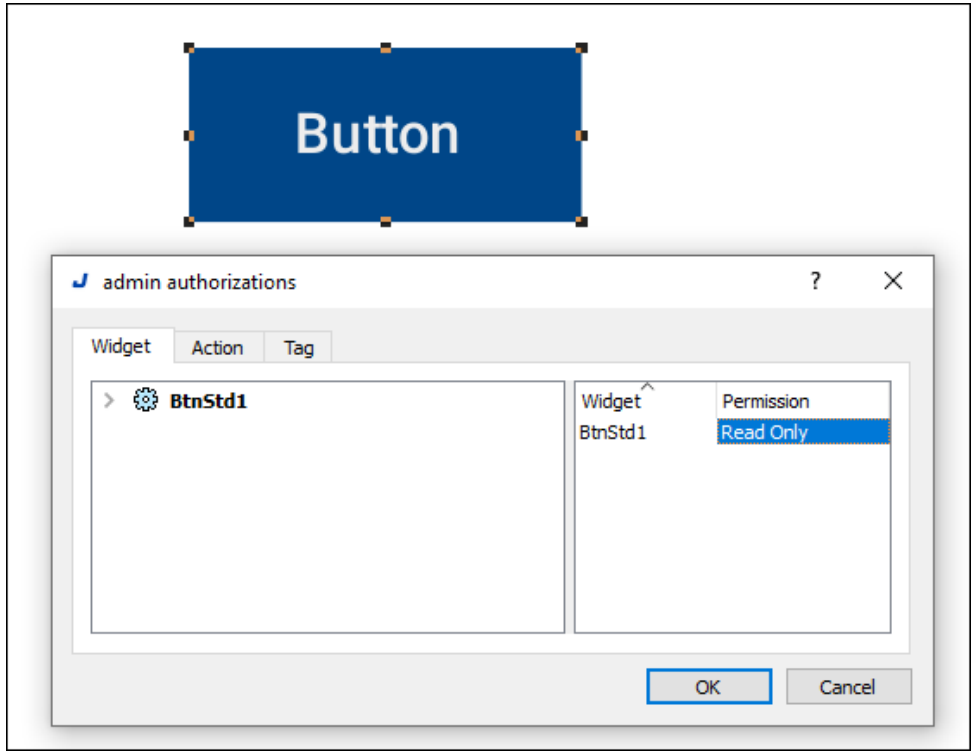
©2020 EXOR International S.p.A. All rights reserved

Keyboards can depend on language



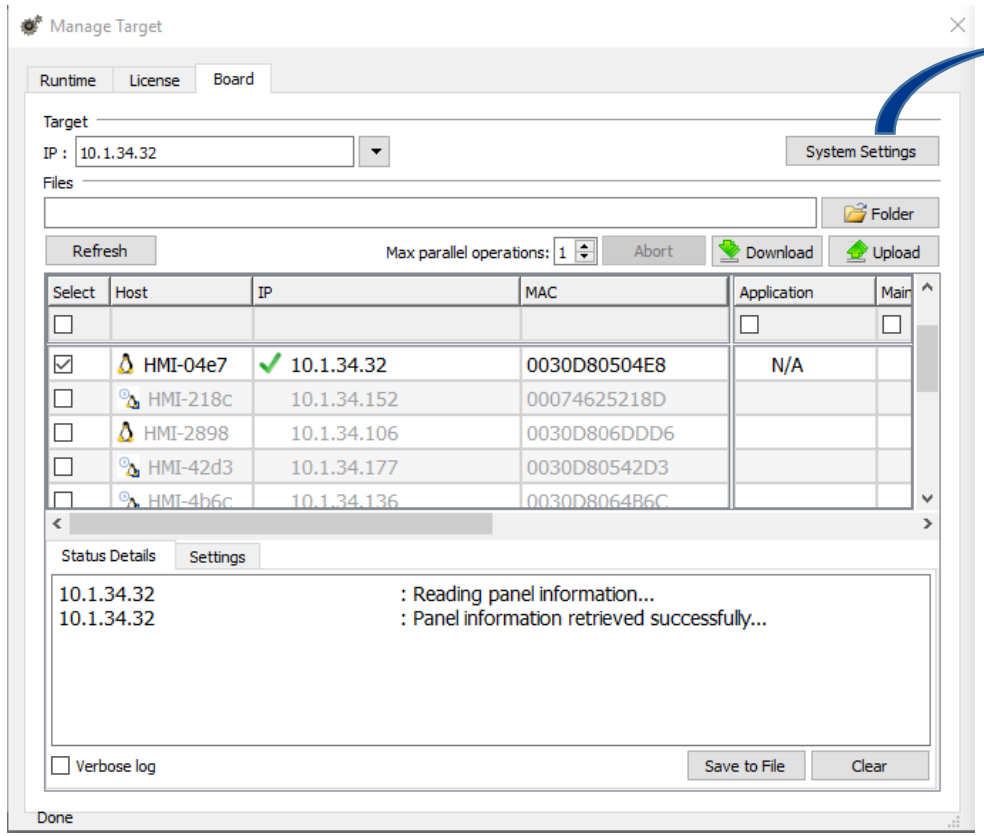
©2020 EXOR International S.p.A. All rights reserved

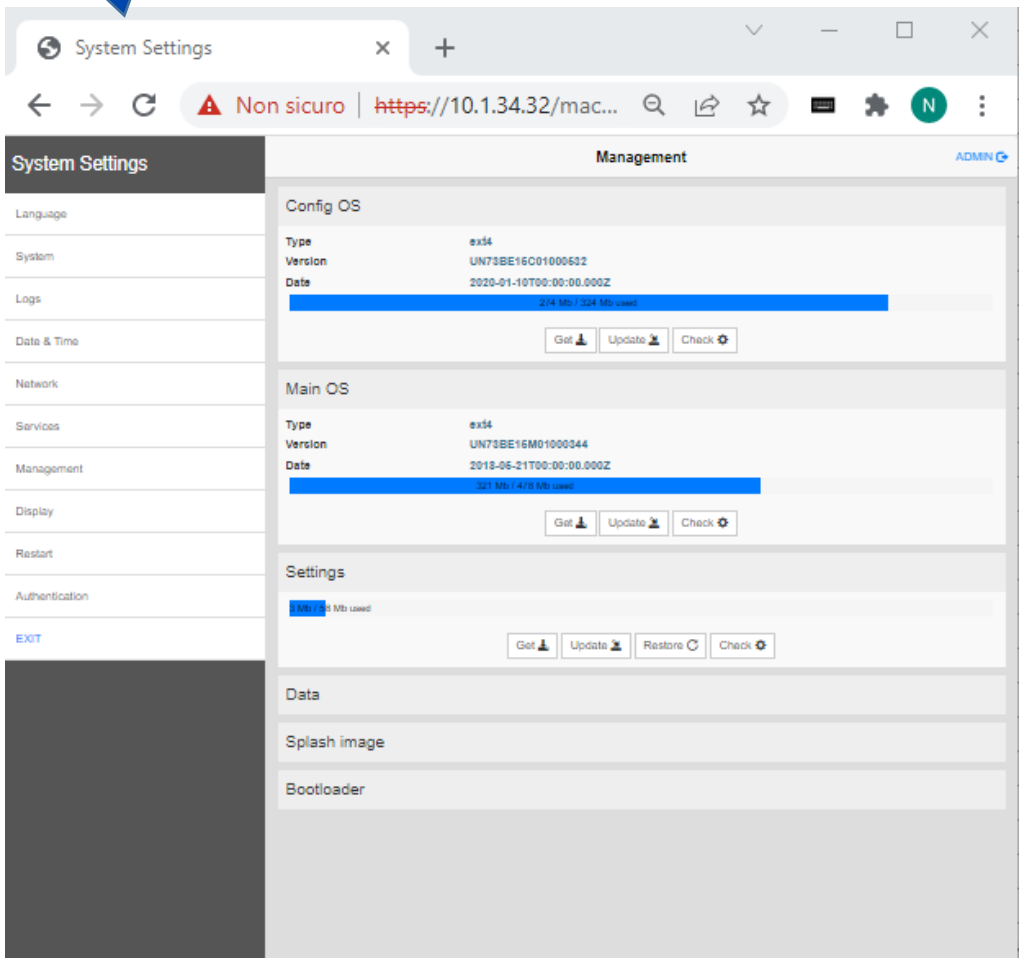
Show lock icon on protected widgets



©2020 EXOR International S.p.A. All rights reserved

System Settings shortcut from Manage Target





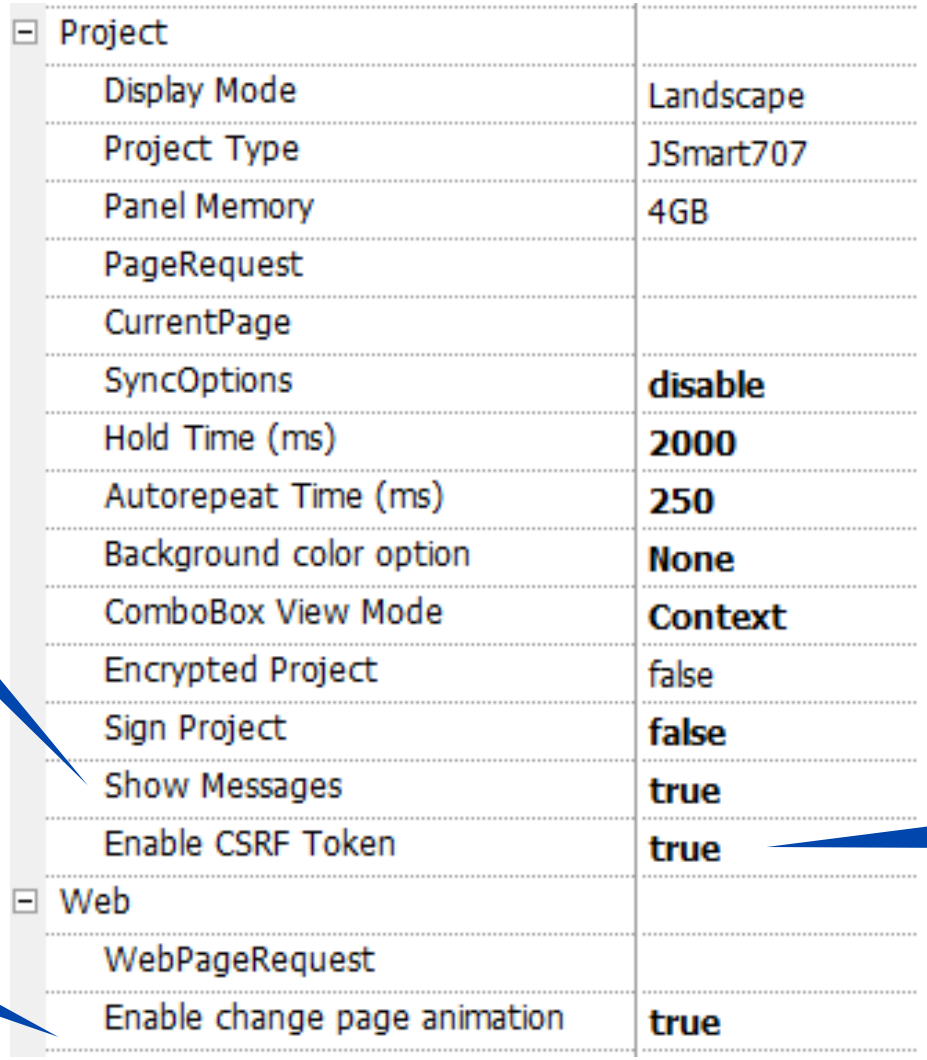
©2020 EXOR International S.p.A. All rights reserved

New project properties

Possibility to avoid any alert popup message in runtime

Added animation spinner to load web pages

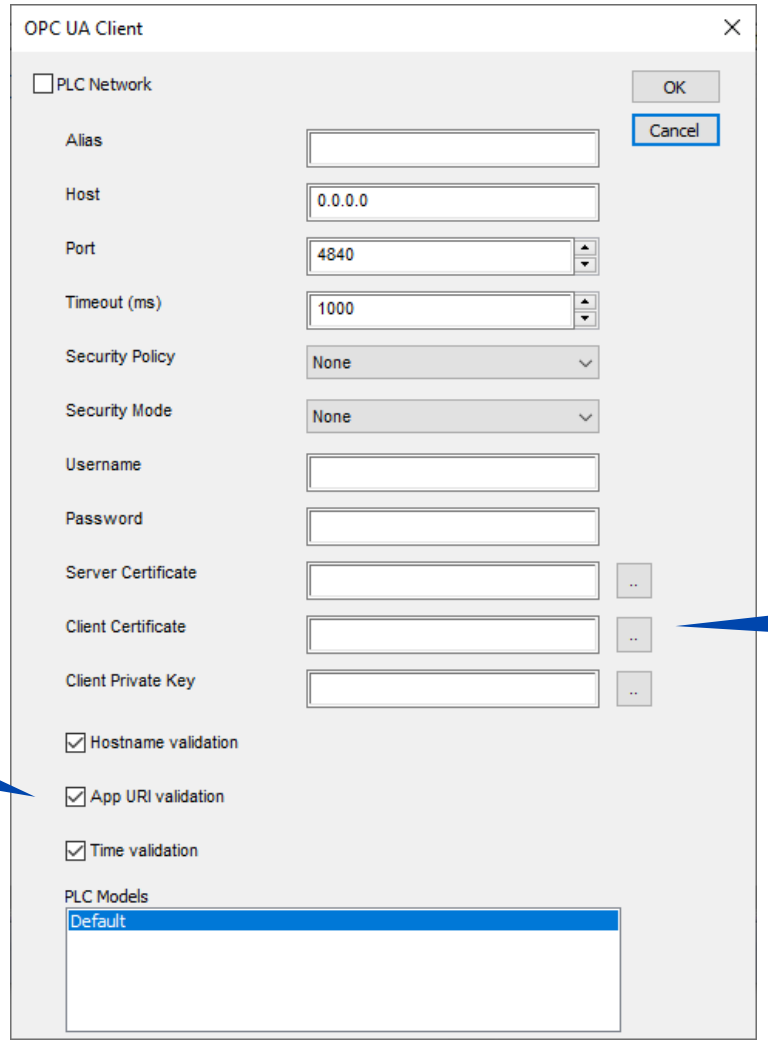
Support token for web security



Project	
Display Mode	Landscape
Project Type	JSmart707
Panel Memory	4GB
PageRequest	
CurrentPage	
SyncOptions	**disable**
Hold Time (ms)	**2000**
Autorepeat Time (ms)	**250**
Background color option	**None**
ComboBox View Mode	**Context**
Encrypted Project	false
Sign Project	**false**
Show Messages	**true**
Enable CSRF Token	**true**
Web	
WebPageRequest	
Enable change page animation	**true**

©2020 EXOR International S.p.A. All rights reserved

OPCUA Client protocol improvements

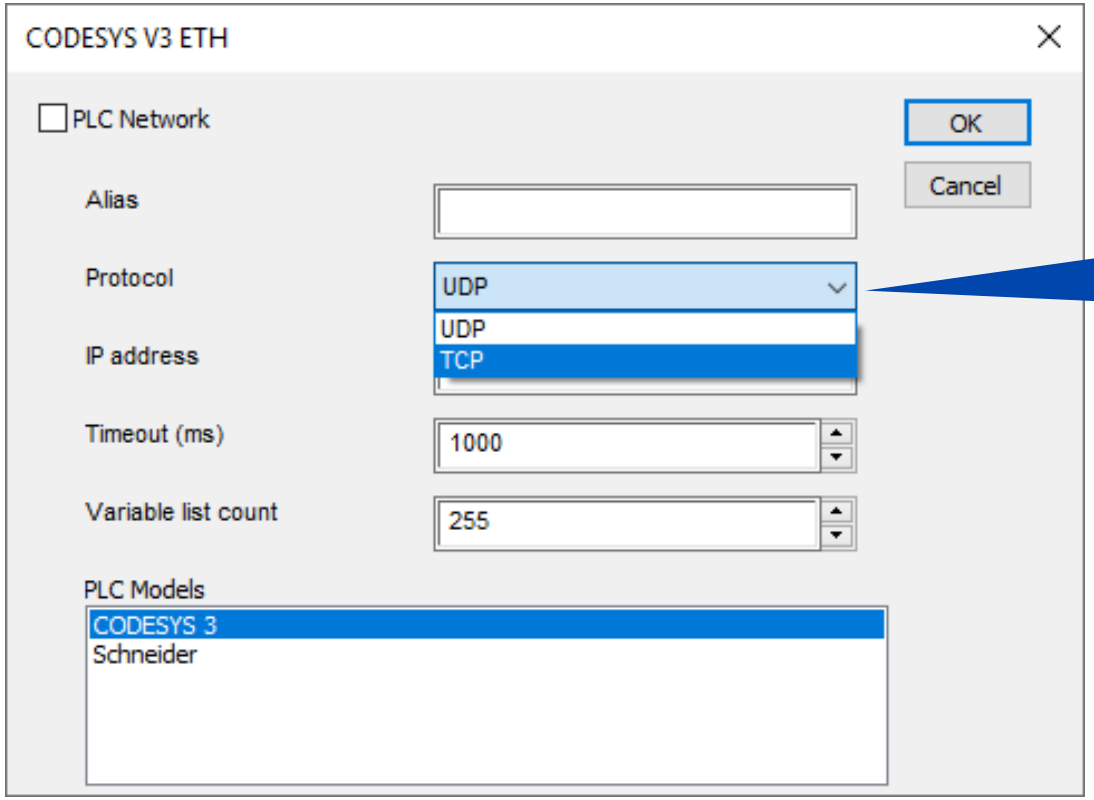


Options to perform or skip validations

Easy way for import certificates

©2020 EXOR International S.p.A. All rights reserved

CODESYS V3 protocol improvements



Added TCP mode for more reliability and to support complex sub networks

©2020 EXOR International S.p.A. All rights reserved