

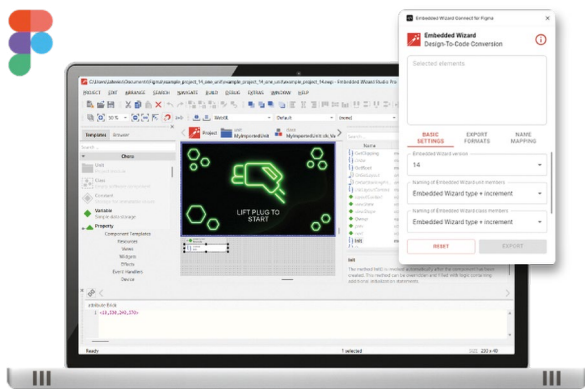
YOUR INNOVATIONS, OUR SOLUTIONS.

Un know how distintivo e una solida esperienza nei servizi di ingegneria per la progettazione elettronica e per la realizzazione di sistemi embedded, ci permettono di dare risposte mirate, complete ed efficienti.

EMBEDDED GRAPHICS AND GUI DEVELOPMENT



GUI Solutions by TARA Systems

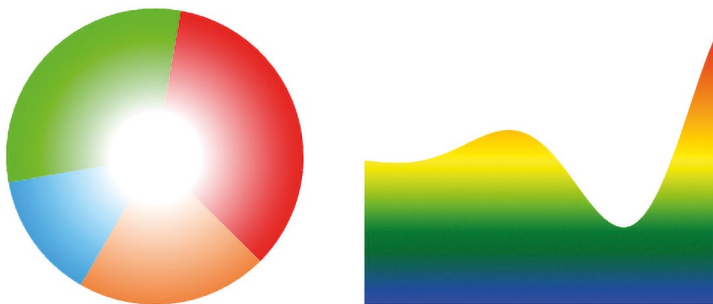


Embedded Wizard Connect for Figma

- + Easily export layouts and GUI assets to Embedded Wizard without relying on fixed templates nor rigid constraints
- + Converts Figma designs into implementable code for Embedded Wizard Studio
- + Choose between bitmap, SVG, and path data as output
- + Be pixel-precise which results in a faster implementation
- + Simplified workflow between designer and developer

Shapes, Components & UI Controls

- + Use SVG to maintain image quality regardless of size or rotation
- + Easier localization with new FontSet and overlapping glyphs
- + Many primitive views to display rectangles, line segments, borders and bevels
- + Vector graphic views to fill and stroke paths, Bézier curves, arcs and many more
- + Rich set of ready-to-use widgets. The appearance as well as the behavior of the widgets can be configured individually
- + Rich set of GUI component templates to be used as starting point when creating new, unique GUI components



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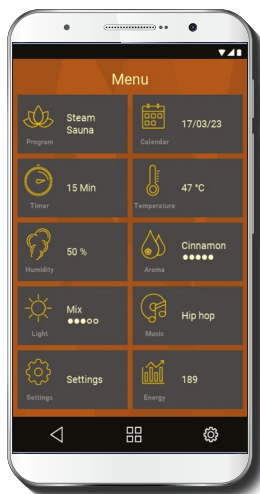
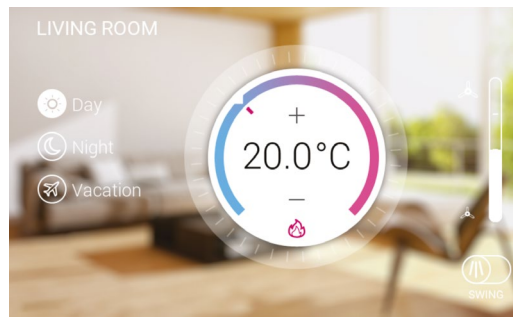
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TECNOLOGIX
ENGINEERING AND AUTOMATION

Simplify Your GUI Development

Integrated Development Environment

- + Object-oriented, component based development approach
- + Integrated prototyping and debugging environment to test the GUI application instantly
- + Generation of source code optimized for your selected target system



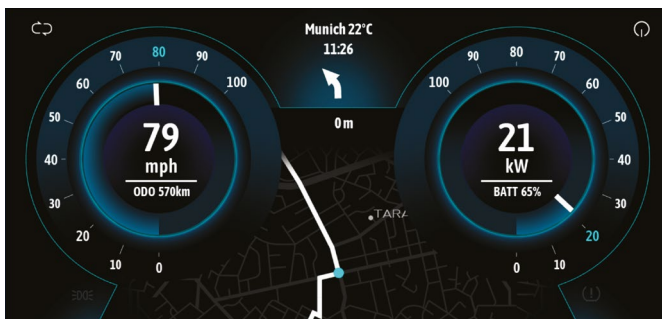
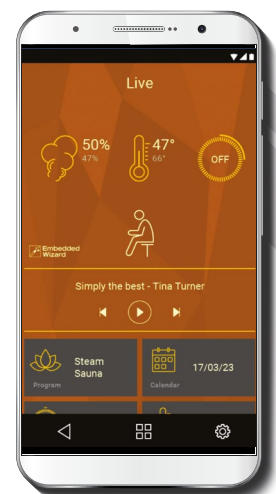
GUI Elements

Images

- + Import of images provided in PNG, JPG, BMP and GIF files
- + Support of multi-frame and animated images - ideal for animated icons
- + Support of alpha-only images, where the color can be set at the runtime

Text, Fonts & Languages

- + Support of Arabic or Hebrew strings. For printing Arabic strings, contextual shaping and mandatory ligatures are supported
- + Import of glyphs and metrics from TrueType fonts installed on your PC

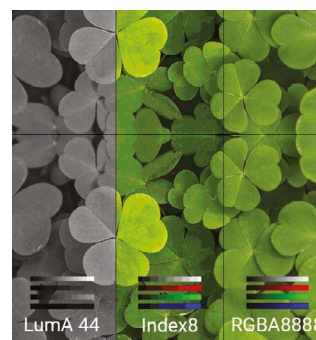


User Input Events

- + Various handlers to process touch screen events and recognize gestures including the support of multi-touch
- + Handler to process keyboard or hardware buttons events

Performance & Memory Footprint

- + Direct access of bitmap and string resources from flash in order to avoid unnecessary memory allocation
- + Support of different bitmap source formats to achieve the best flash footprint as possible
- + Bar chart to show estimated total memory usage (RAM) of the developed application and to reflect memory requirements within target device on bare metal



Supported Frame Buffer Color Formats

The color format of a GUI application depends on the capabilities of the desired target system and on the possible color format of the frame buffer. In general, Embedded Wizard supports many different color formats like:

- + 16,24,32-bit true color formats (RGBA8888, RGB888, RGBA4444, RGB565)
- + 8-bit CLUT based (color look-up table) color format (Index8)
- + 8-bit grayscale/monochrome format (LumA44)

Multiple GUI Options out of one Project

- + Localization of images, texts as well as other data entities to simplify the creation of multi-lingual GUI applications
- + Support of themes and product variants by creating multi-variant GUI components, images, etc. Selection of the right variants occurs automatically during code generation or dynamically during runtime

