

## RZ Ecosystem Partner Solution

# Candera CGI Studio



### Solution Summary

CGI Studio is the powerful design tool for your embedded HMI. Candera CGI Studio enables the creation of brilliant human machine interfaces (HMI) and UIs of all kinds for automotive, white goods, medical or industrial customers. 65 million vehicles worldwide are equipped with CGI Studio HMI applications, providing mature and rich features for the automotive industry. Renesas' powerful [RZ/G2L](#), [RZ/G2LC](#), [RZ/V2L](#) MPUs work perfectly with Candera's HMI tools to deliver first-class performance results not only for automotive, but also for industrial and consumer applications.

### Features/Benefits

- Best performance and memory footprint
- Scalable framework – entry level to high end SoC
- Works with OS or no-OS
- No coding, smart import and multi-user approach
- One toolchain for all 2D/3D applications - WYSIWYG
- Functional Safety (optional Safe Rendering up to ASIL A/B)

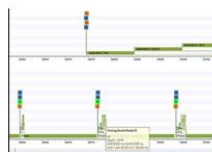
### Diagrams/Graphics



**Scene Composer**  
2D/3D Authoring



**Smart Photoshop Importer**  
AI detection algorithm technologies



**CGI Analyzer**  
(optional Performance Profiling)



**Candera 2D/3D**  
Embedded Graphics Render Engine



**Multi-Language**  
Internationalization



**Courier**  
Databinding and Messaging Framework



**CGI Statemachine**  
(or optional Statemachine Connectors)



**CGI Player**  
Simulation



**Memory Manager**  
Memory Pool Definition



**Asset Library Shaper**  
Splitting Assets for Optimization



**Warping**  
(optional HUD Windshield Warping)



**Functional Safety**  
(optional Safe Rendering up to ASIL A/B)

### Target Markets and Applications

- Automotive
- Industrial and consumer goods
- Industrial automation

Candera CGI Studio is a scalable and hardware independent HMI design software.

It enables the creation of brilliant and customizable embedded UI solutions of all kinds for the automotive area and beyond. The special USP of this GUI creation tool are its user-friendly interface and the high-performance representation of 2D / 3D display elements and animations.

CGI Studio comes with ready-to-use HMI controls, an AI based Smart Importer and integrated state machines enabling to display the logics with only a few clicks. The open architecture of CGI Studio allows deep integration and automatization into your company's workflow.

