

## **Release Notes**

### **Guiliani Evaluation RZ/A1LU with FreeRTOS10**

|                  |                                |
|------------------|--------------------------------|
| Product:         | Guiliani-SDK for Renesas RZ/A1 |
| Release version: | 2.6                            |
| Release date:    | August 5, 2024                 |

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## 1 Introduction

TES Electronic Solutions is pleased to release the Guiliani GuilianiDemo, a Guiliani Application running on RZ/A1LU with FreeRTOS10

## 2 Hardware and software components

This Guiliani SDK for RZ/A1H with FreeRTOS is based on following hardware and software components:

- Renesas StreamIt-board (RZ/A1LU)
- TES eGML V1.6 (including NEON-optimized blitting)
- TES Guiliani V2.6
- GuilianiDemo (Guiliani Technical Showcase Demo)
- Renesas e<sup>2</sup> studio 2024-07 (including GCC 12.2.1)
- Renesas Board Support Package (including FreeRTOS V10.6.1)

## 3 Release contents

This release includes:

- Compiled binary for GuilianiDemo Application (Debug and Release)
- Guiliani Demo Resources
- Batch script and configuration files to flash the application
- Guiliani Libraries (including eGML-Renderer)
- FreeType 2.4.8
- Sources for StreamRuntime
- Sources for hardware dependant wrappers

## 4 File structure

|   |  |
|---|--|
| CMake   | Folder containing commonly used cmake-files  |
| Documentation   | All available documentation for the SDK (more on <a href="https://guiliani.de">guiliani.de</a> )             |
| eGaC  | Header-files needed to use within Guiliani   |
| Export  | The exported project to be used for flashing   |
| External  | Third-party libraries and header files   |
| FlashTools  | In this folder you will find a batch-file for the flashing the application and resources to your board       |
| Guiliani  | Header-files needed to use within Guiliani   |
| Renesas   | Within here you will find e2studio-projects  |
| SR_GuilianiDemo   | The Guiliani Technical Showcase Demo containing sources and the complete GSE-project in multiple resolutions |
| StreamRuntime   | StreamRuntime-project used as a minimal project to be used with Guiliani                                     |
| License compliance.pdf  | License compliance document for used software parts  |
| Quickstart-Guide Guiliani SDK running on RZA1 with FreeRTOS.pdf | Quickstart guide   |
| TES SW Evaluation license.pdf                                   | License for the Guiliani SDK   |

## 5 Required software

- Microsoft Windows 10
- Renesas e2studio 2024-07

For re-building the GSE including custom-extensions:

- CMake V3.8 or higher
- Microsoft Visual Studio 2017 (Express) or higher