embedded firmware developmet

READY AND DOCUMENTED TO USE

Facilitates the development of an application using the hardware.

Accelerate development time
High-level APIs that allow you to start application development immediately.
Customer can **focus on added value.**

KENKO / SOFTWARE

soluciones**kenko**

WHAT WE DO?

Development of a Software layer with hardware specific drivers for board bring-up and testing of the electronic board to assure correct operation of the components.
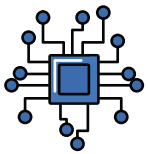
EMBEDDED FIRMWARE DEVELOPMENT
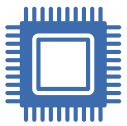
Develop low-level and high-level firmware to create complex embedded systems. We work with different microcontroller architectures and families including STMicroelectronics, NXP, Microchip, Renesas, and Silicon Labs.

BOARD SUPPORT PACKAGE

Development of a Software layer with hardware specific drivers for board bring-up and testing of the electronic board to assure correct operation of the components.

BOOTLOADER DEVELOPMENT

Bootloader development for ARM Cortex microcontrollers, both MCU and Host side.
Implementation of bootloader routines to your company own software.

MIGRATION OF LEGACY FIRMWARE

Migrate firmware from one MCU vendor to another or to a different family.

GUI DEVELOPMENT

Development of smartphone like GUI to embedded devices (only for certain families of STM32 microcontrollers).

ANALYSIS

We analyze your platform to choose the best firmware architecture pattern, the proper OS and your requirements to achieve the best solution.

DEVELOPMENT

Development based on standards such as ISO/IEC 62304 Software development in medical devices.

We consider technological factors that may affect the deployment, maintenance and life extension of your technology.

TESTING

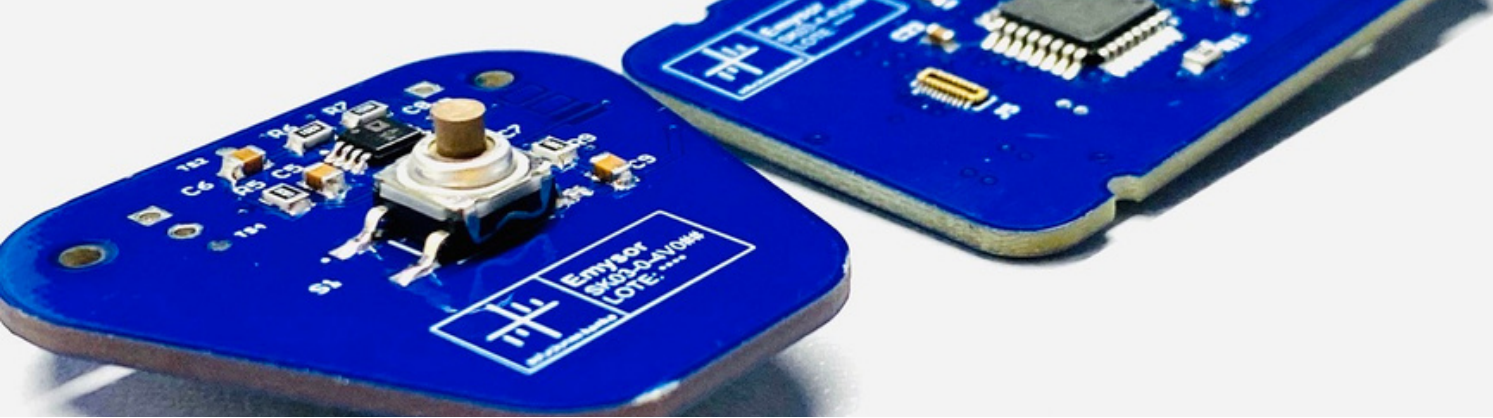Quality assurance by submitting the software to test process based on the IEEE Standard for Software and System Test Documentation.
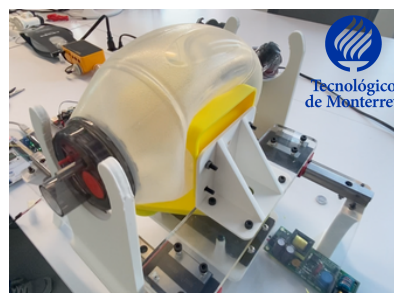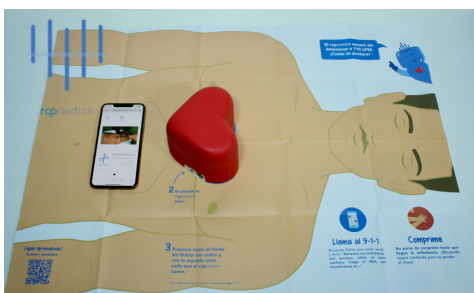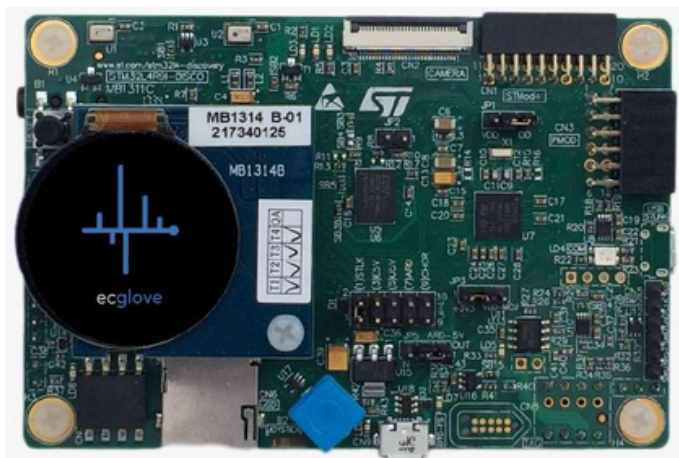
DEVICE DRIVERS

- Actuators
- Sensors
- UART
- SDADC
- ADC
- TIM
- SPI
- QUADSPI
- DCMI
- ETHERNET
- USB
- BLE
- WI-FI
- NOR/NAND FLASH MEMORIES
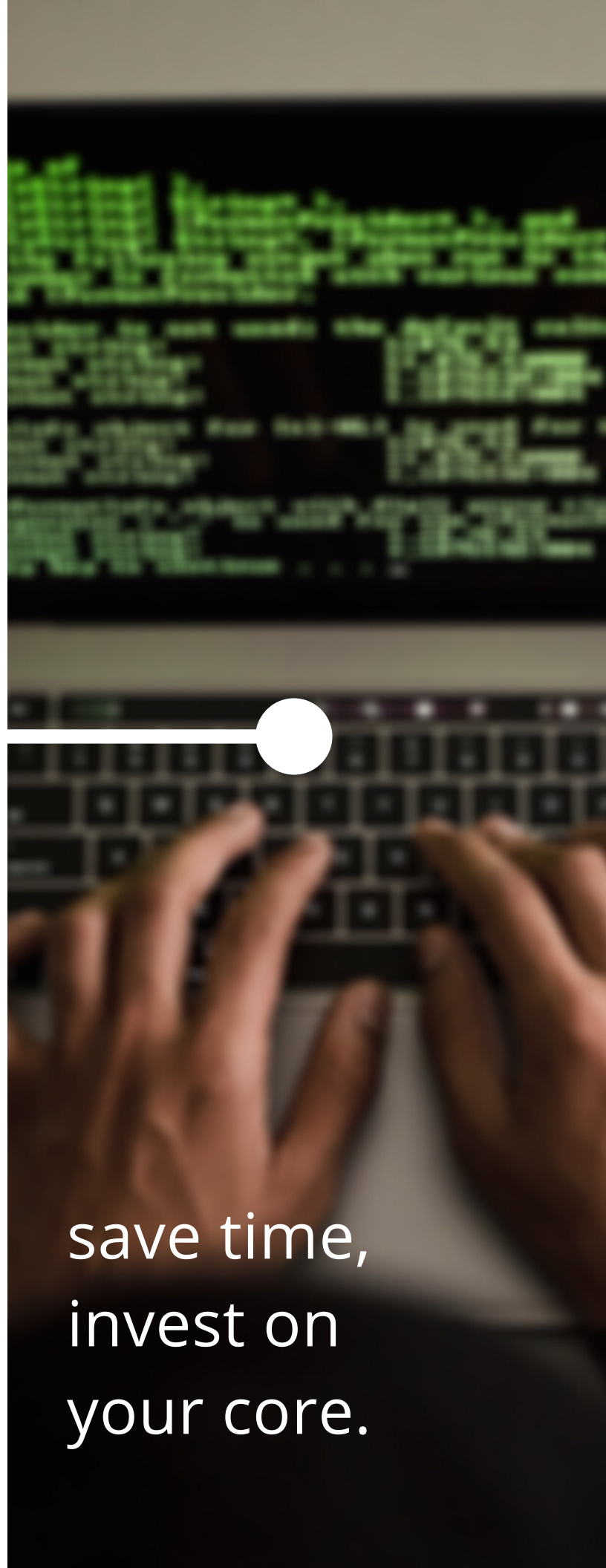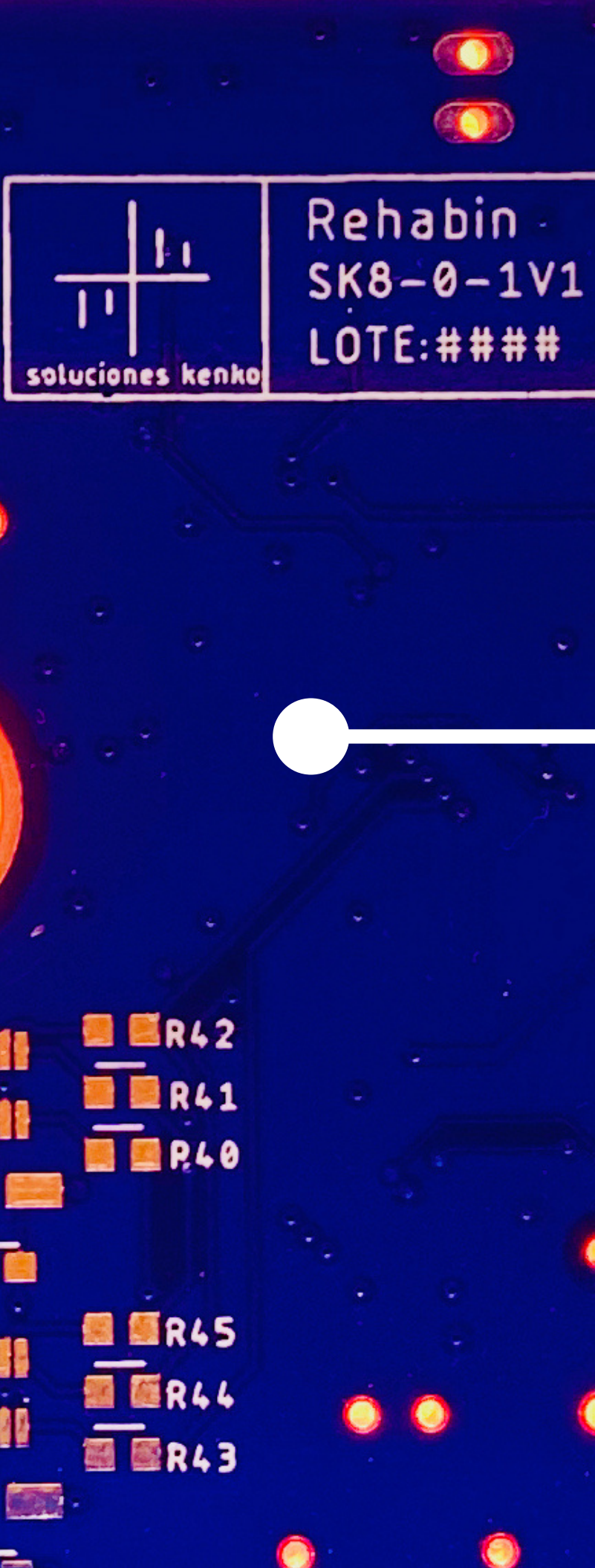- EMBEDDED CONTROL SYSTEMS
- DSP
- SPI SCREENS

FRAMEWORK & LANGUAGES

- Qt
- TouchGfx
- C
- C++
- Python

OUR WORK

V4 > **Nuevo Estudio** Realizado a las 8:22 am

80ms

Restablecer QRS: 80ms Ritmo Cardiaco: 90bpm Prediagnóstico: Cancer

ecglove

Bienvenido

Conozca el estado del corazón,
con solo tocar al paciente.

Registrarse

¿Ya tiene cuenta? Inicie sesión.

Rehabin
SK8-0-1V1
LOTE:####

soluciones kenko

R42
R41
R40

R45
R44
R43

save time,
invest on
your core.

TALK TO US

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