



**SILICON**

— S I G N A L S —

Inception To Adaption

Your Next  
Design **Partner!**



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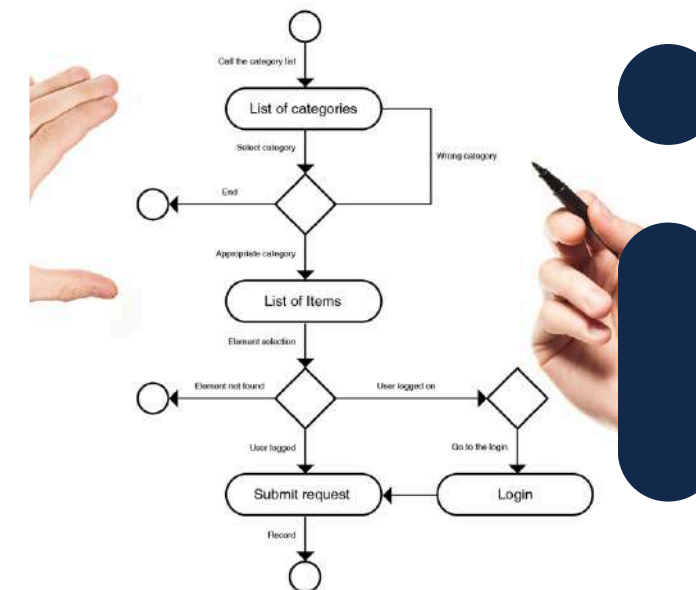
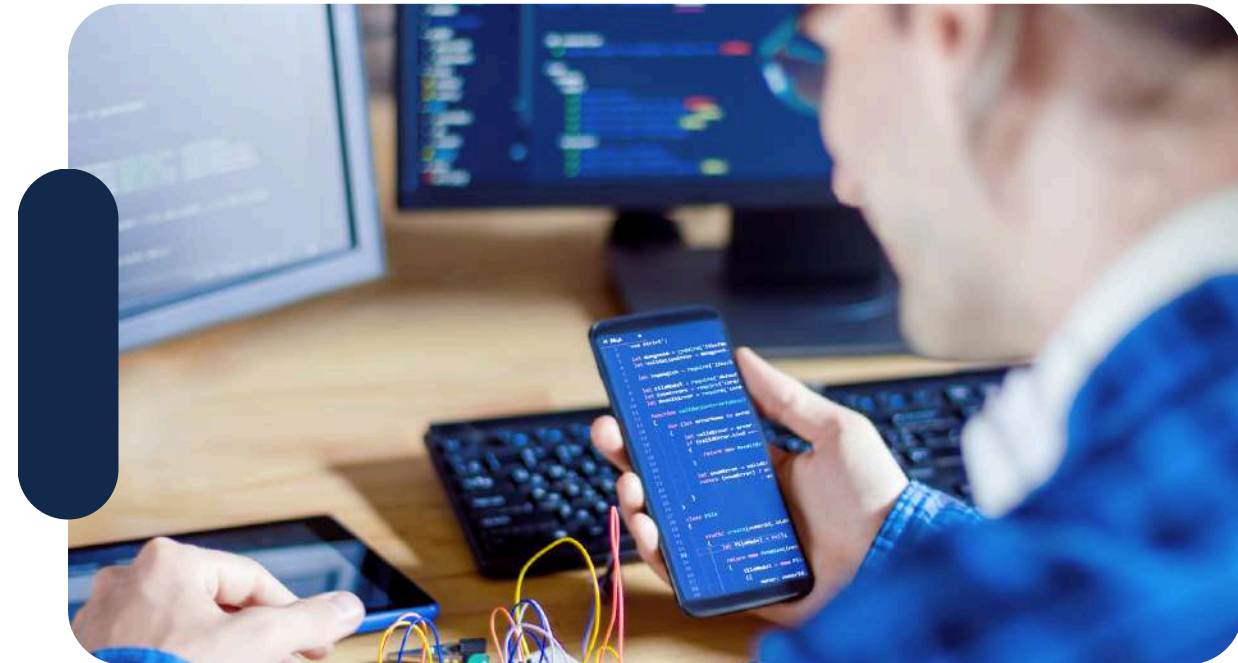
# Welcome To Our Corporation

Silicon Signals provides a variety of Embedded product design and product engineering services and is best known for the Board Support Package Development, aimed at turning a concept into a finished product.

Silicon Signals delivers a wealth of experience in building a range of products across diverse sectors such as automotive, healthcare, avionics, IoT, wearables, and many more, with competence in every aspect of the product life cycle.

# Corporate Insights

Empowering tech innovation: expertise in custom firmware, real-time systems, open source, web and digital QA, mobile development, hardware-software synergy Embracing AI and IoT for limitless potential Join us to make possibilities a reality.



**12+** Years of Experienced Team

When great products are being engineered, we will provide the back-bone.



To make Silicon Signals a preeminent provider of high-tech solutions that will have a transformative influence on society through developing leaders and delivering value for stake holders.



With a strong mission and roadmap ahead, We at Silicon signals to support the common man through technological innovations that enable every business to achieve its targeted goals.

# Our Partner Ecosystem

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QNX

 Toradex

LANTRONIX®

mecha



# Industries we serve

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**AGRICULTURE**



**CONSUMERS**



**IOT**



**WEARABLES**



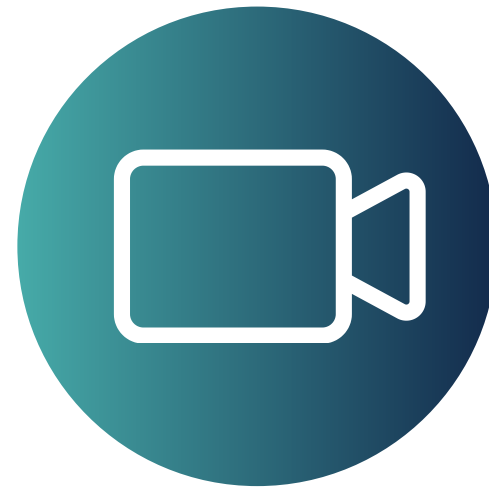
**AVIONICS**



**AUTOMATIVE**



**HEALTHTECH**



**MULTI-MEDIA**



**HOME  
AUTOMATION**



**INDUSTRIAL  
AUTOMATION**

# Infrastructure



**Hardware Lab**



**QA & Testing**



**Conference Rooms**



**Secure IT Infrastructure**



**Data Centers**



**Security Measures**



**Research & Development**



**Global Reach**

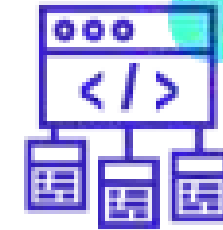
# What are we offering ?



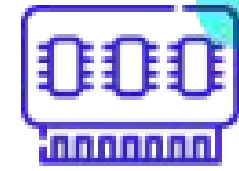
**Product Engineering  
services**



**Embedded software  
solutions**



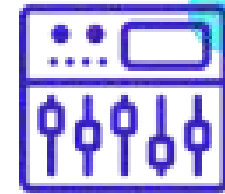
**Middleware/HAL/Framework  
/Firmware development**



**Micro processor/ Micro controller  
based solutions**



**Expertise in BSP- Linux,  
Android (AOSP), QNX**



**High Speed/Low speed  
board design**



**Board Bring Up**



**Bootloaders Development / customization,  
Boot time optimisations**



**Device Driver  
development**



**OS porting/  
customising- RTOS, GPOS**



**Protocol writing**



**Embedded Application  
development**



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# Our Expertise in Platforms

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# Our Embedded GUI Experties

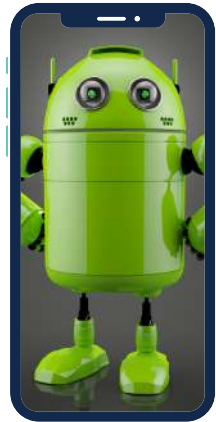
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TouchGFX



# Key Project Deliveries



- **Android Porting on Phone (Support Partners)**

Providing and maintaining a successful updates on Qualcomm, Snapdragon, MSM8953 chipset based phone with consecutive Android 10,11,12,13, 14 and 15(Latest) ports.



- **Porting of Camera ISP Stack**

Enabled camera ISP pipeline on Qualcomm Snapdragon 410 based custom hardware running Linux kernel version 4.14



- **ECU Board bring-up (Automotive)**

BringUp of AI based Driver monitoring system (DMS) board upon imx8qxp running Linux kernel version 5.10.72.



# Key Project Deliveries



- **Avionics RTOS porting and Support**

Porting support of avionics safety critical RTOS for multiplatform with DO-178 certification



- **Multimedia Enhancement**

Provided solutions for unavailable features in GStreamer and Weston compositor (Wayland) Graphics stack



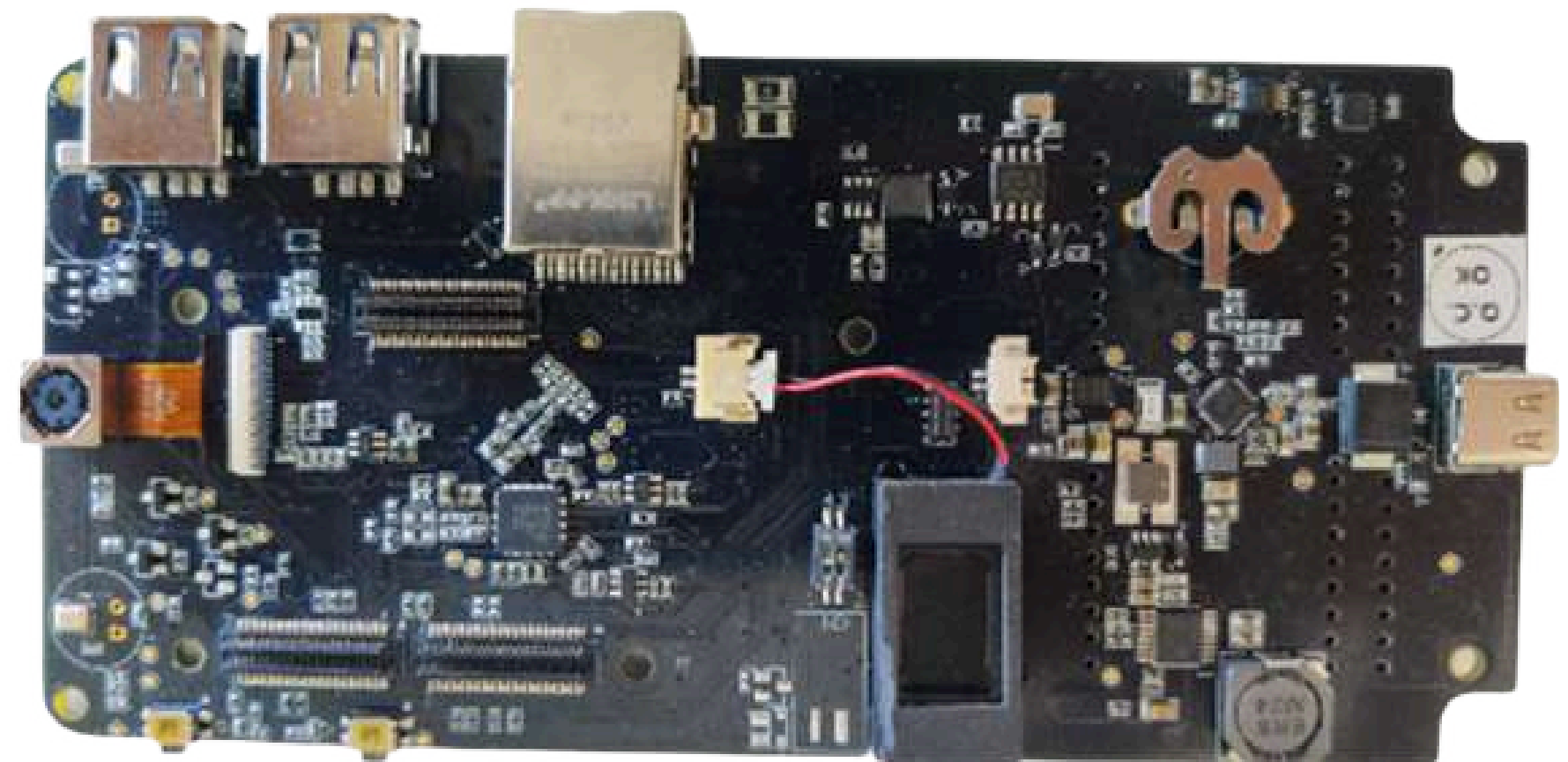
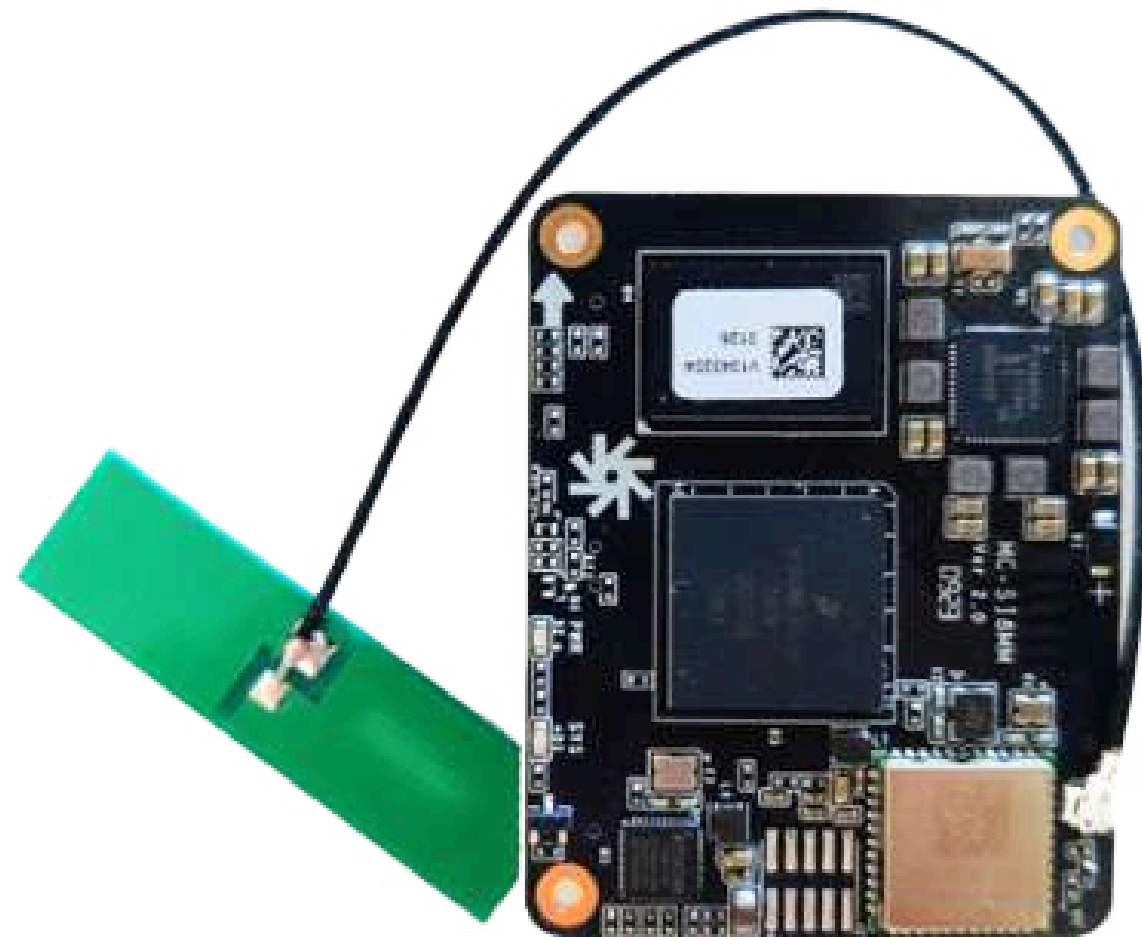
- **Wearable Smart Watch**

Firmware & Boot loader development for safety based battery optimized smart watch based upon STM32 MCU .

- **And many more....**



# Tailored High-Speed PCB Solutions



**NXP i.MX 8MM Camera Board**  
8 layered PCB



# Our Expert Team



**Prashantsinh P**

Android BSP Head



**Mitul T**

Hardware Design Head



**Hardevsinh P**

Linux BSP , Yocto Expert



**Kalarav P**

Firmware & Linux BSP expert



**Himanshu B**

Mutlimedia and  
Upstream expert



**Ankit S**

AOSP Expert

# Demos

Audio support on  
Android

**01**

LVGL BringUp on  
Amlogic

**02**

Security IC –TPM

**03**

Android  
Customization

**04**

**05**

U-Boot Modification

**06**

Audio Codec Bring Up

**07**

QT porting on MCU

**08**

DSI LCD BringUp



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# Have an idea in mind?

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It's the right time  
to get in touch...

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Thank You!



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