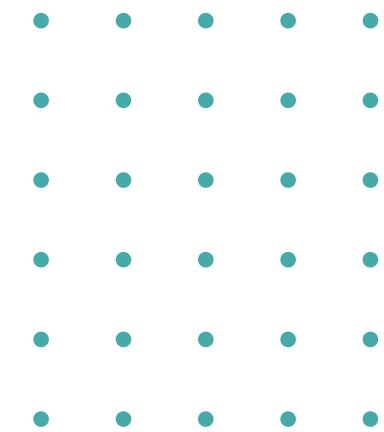




Your Next  
Design Partner!



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# Welcome To Our Corporation

Silicon Signals, a hardware design, global R&D, and product engineering service provider, delivers a comprehensive suite of Embedded Design and Product Engineering services focused on transforming concepts into market-ready products.

We bring deep, hands-on experience in building products across diverse sectors such as Camera, Audio, Multimedia, Consumer, Automotive, and Wearables, with expertise spanning every stage of the product lifecycle.



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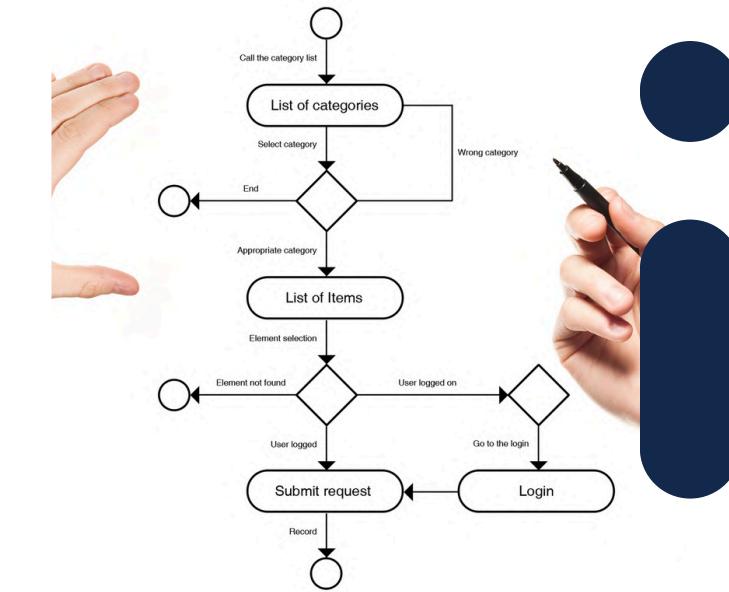
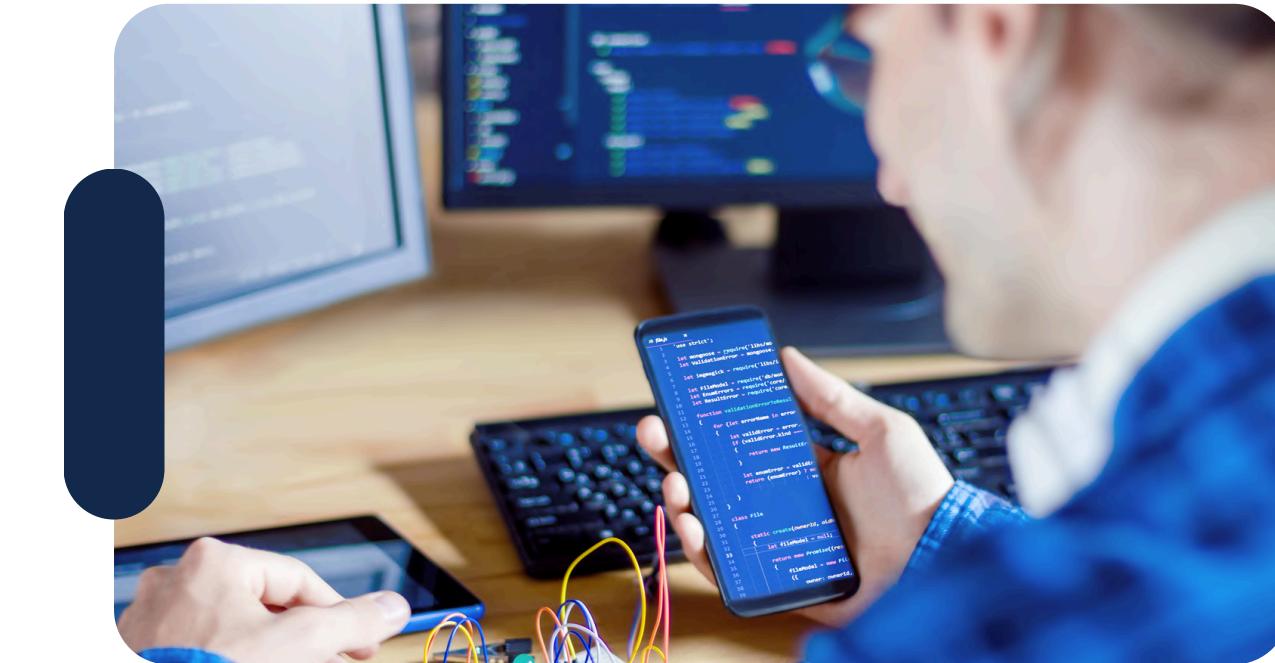
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# Corporate Insights

Empowering tech innovation through expertise in custom firmware, real-time systems, open source, web and digital QA, mobile development, and seamless hardware-software-mechanical integration. Join us to turn possibilities into reality.

**12+** Years of Experienced Team

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



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To be Global Leader in R&D, Technology,  
Product Engineering and Solutions

Making Technology Easy—Uniting  
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# Our Partner Ecosystem

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**QNX**



**LANTRONIX®**



**mecha**



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# Industries we serve



**AGRICULTURE**



**CONSUMERS**



**IOT**



**WEARABLES**



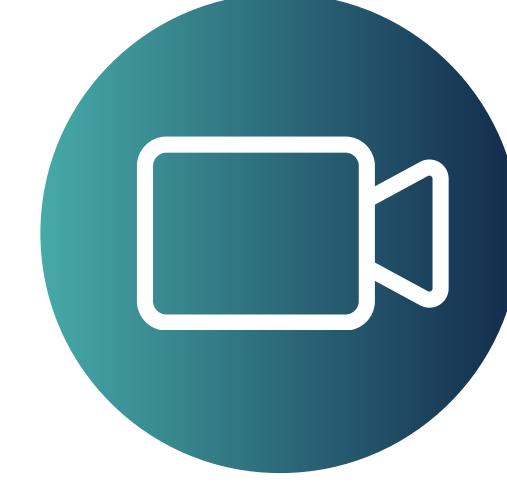
**AVIONICS**



**AUTOMATIVE**



**HEALTHTECH**



**MULTI-MEDIA**



**HOME  
AUTOMATION**



**INDUSTRIAL  
AUTOMATION**



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# Infrastructure



**Hardware Lab**



**QA & Testing**



**Conference Rooms**



**Secure IT Infrastructure**



**Data Centers**



**Security Measures**



**Research & Development**



**Global Reach**



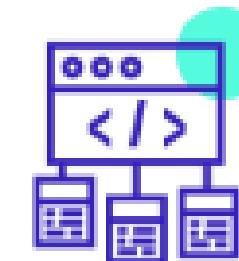
# What are we offering ?



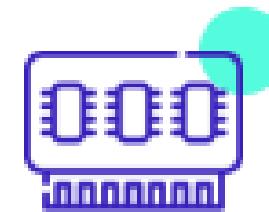
**Product Engineering services**



**Embedded software solutions**



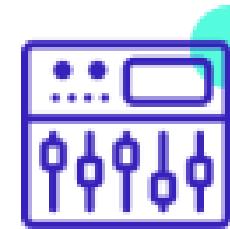
**Middleware/ HAL/ Framework /Firmware development**



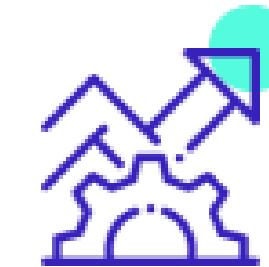
**Micro processor/ Micro controller based solutions**



**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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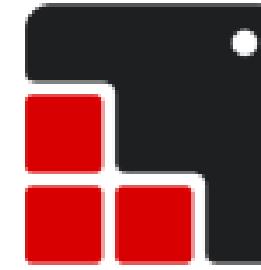
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# Our Embedded GUI Experties

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LVGL



TouchGFX



GTK



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# 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

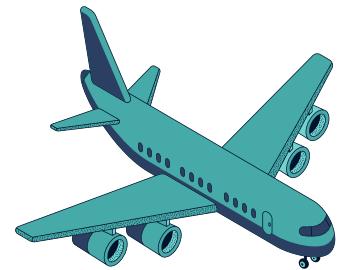


- **ECU Board bring-up (Automotive)**

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



# Key Project Deliveries



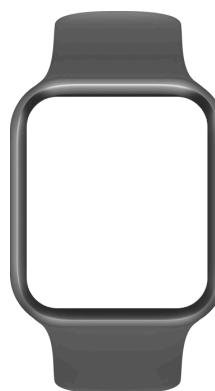
- **Avionics RTOS porting and Support**

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

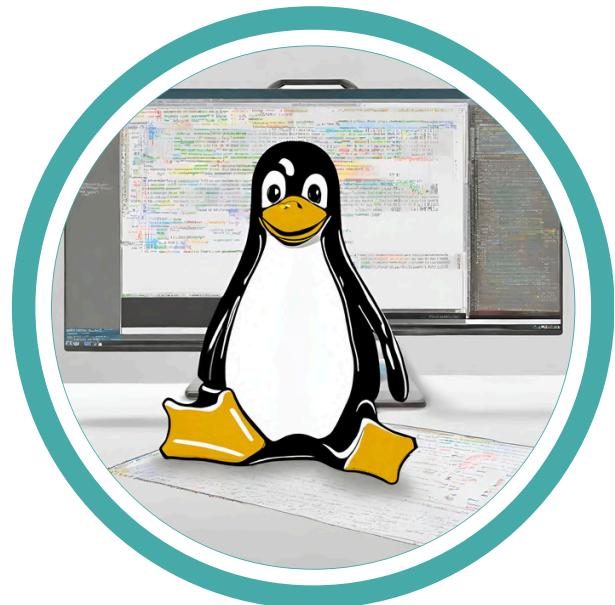
- **And many more....**



# Our Open Source Contribution



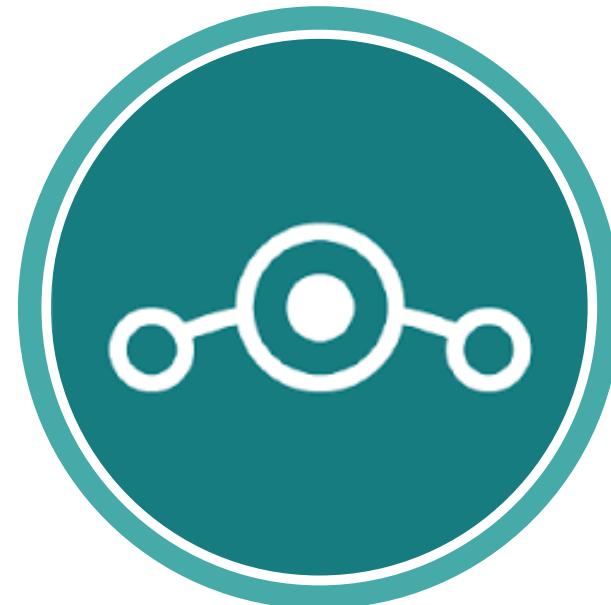
u-boot's contribution



Linux kernel contributions



Zephyr OS



Android LineageOS



Google Contribution AOSP



Click on image to open the tab



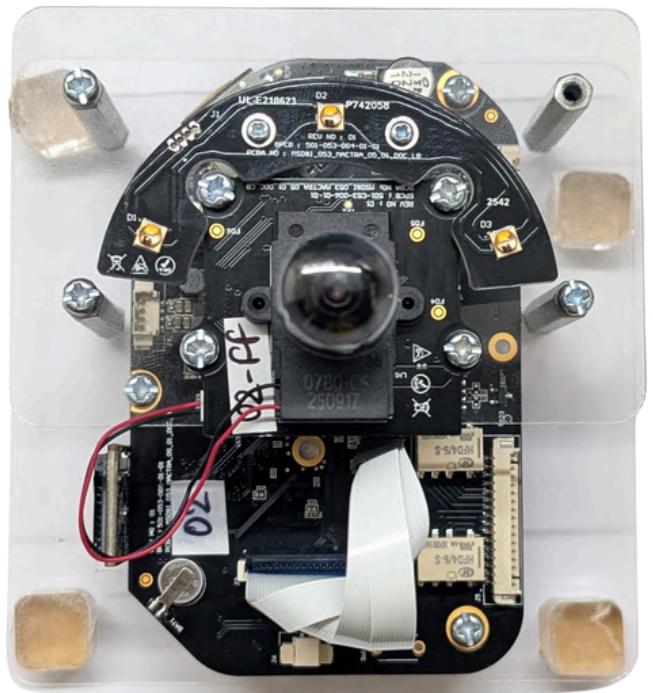
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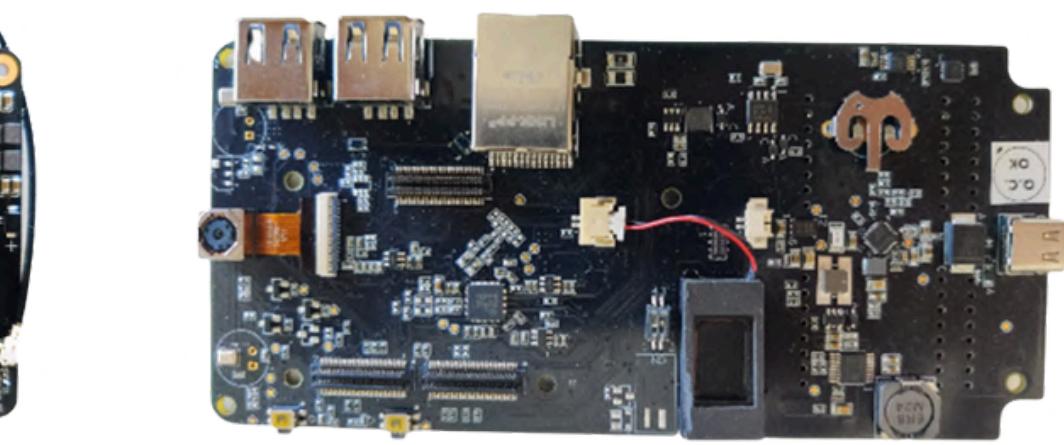
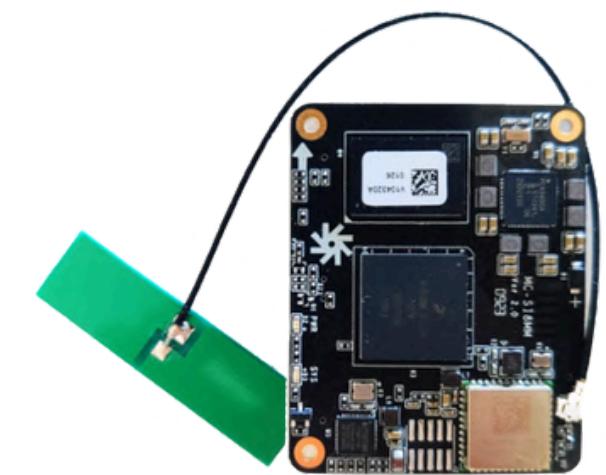
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**Innofusion Based Camera**  
6 layered PCB



**ESP32-based Smart Plug**  
2 layered PCB



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



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# End to End Product Delivered to Customers



**MECHA:** Portable Programmable Handheld Linux Computer



**Cantata:** Android based Universal Remote



**Haptique (Cantata):** Smart IoT Plug



# Our Expert Team



**Prashantsinh P**

Android BSP Head



**Rutvij T**

Firmware , Linux Expert



**Hardevsinh P**

Linux BSP , Yocto Expert



**Mitul T**

Hardware Design Head



**Himanshu B**

Multimedia and  
Upstream Expert



**Ankit S**

AOSP Expert



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# Our Success Digest

Ratings from our customers on various platforms



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# Our Customers Reviews

**CEO of  
Nimo Planet Inc.**



Silicon Signals' proficient Android BSP team has a proven record of core Android contributions. They adeptly managed our project, providing timely solutions and unwavering commitment, even post-financial clearance. Our ongoing collaboration is promising for future ventures, highlighting their trustworthiness and dedication as a reliable partner.

**V.P. of  
Pathpartner Technology**



Silicon Signals stands out in the Linux BSP, Linux kernel, and Device Driver domains. Their ability to take full ownership of execution, coupled with their accessibility, sets them apart. Their accurate estimations provided us with confidence in project planning.

**Director of  
Mecha Systems Inc.**



Silicon Signals offers top-notch hardware design expertise, unparalleled understanding of embedded systems, and cost-effective solutions. Their involvement in our solution team and ability to address challenges where others couldn't make them invaluable partners.

**And many more....**



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# Demos

Android  
Automotive OS

01

Custom  
GStreamer Plugin

02

Android 14  
on Toradex NXP

03

Custom GPIO  
Resource Manager

04

Firmware upgrade  
on QNX

05

Zephyr Audio  
Codec on STM

06

PDF viewer on  
LVGL

07

Android 14 on  
Toradex AM62

08



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# Have an idea in mind?

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

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+91-63511 24558

## Website

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# Thank You!



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