

# Connectivity products

**LiveBench** boasts the versatility to host a **diverse range of communications ICs**:

- **Wireless communication** - including Bluetooth, WiFi, Proprietary Wireless, 802.15.4 etc.
- **Wired Communication** - including Ethernet, DALI, CAN, IO-Link etc.

Our comprehensive support empowers Semiconductor companies to showcase their entire communication IC portfolio from a single, unified platform.



## Value Proposition

01. Ensure product features are perceived accurately by your customers through creation of a robust cloud-based evaluation setup in partnership with TenXer Labs.
02. Real-time analytics on evaluation by prospective customers, allowing sales validation and optimizing support efforts.
03. Reduce sales time by 30-40% by enabling customers to evaluate your hardware without logistic delays and support bandwidth restrictions through:
  - Directly test and measure real-time power consumption for unique applications, reducing burden on support teams.
  - Offer a configurable remote testing environment, enabling customers to tailor parameters and replicate real-world conditions for accurate results.
  - Keep system designers updated with the latest firmware, avoiding compatibility issues and streamlining testing.
  - Field sales and support engineers can use LiveBench to reliably showcase complex scenarios, ensuring consistent and repeatable demonstrations.
04. Up to 10% increase in net margin due to reduced support costs.
05. Address long tail customers who are typically ignored due to low volume and customized support requirements.

## Key LiveBench Features



### Turnkey Hardware Integration

- System design engineers can get started instantly with remote access to cloud-based evaluation boards
- Complete Test Setups for common use-cases with real hardware connected to test equipment such as power meters, oscilloscopes, protocol analysers etc.



### Tailored Evaluation Environment

LiveBench supports exclusive environments optimized specifically for the type of connectivity:

- Ultra Low power measurements
- High accuracy distance measurements and ranging (Wireless)
- Throughput measurements
- Monitoring and display of communication protocol messages (DALI, CAN, USB etc.)
- Signal Attenuity testing (Wired)
- Test setups in faraday cage (Wireless)

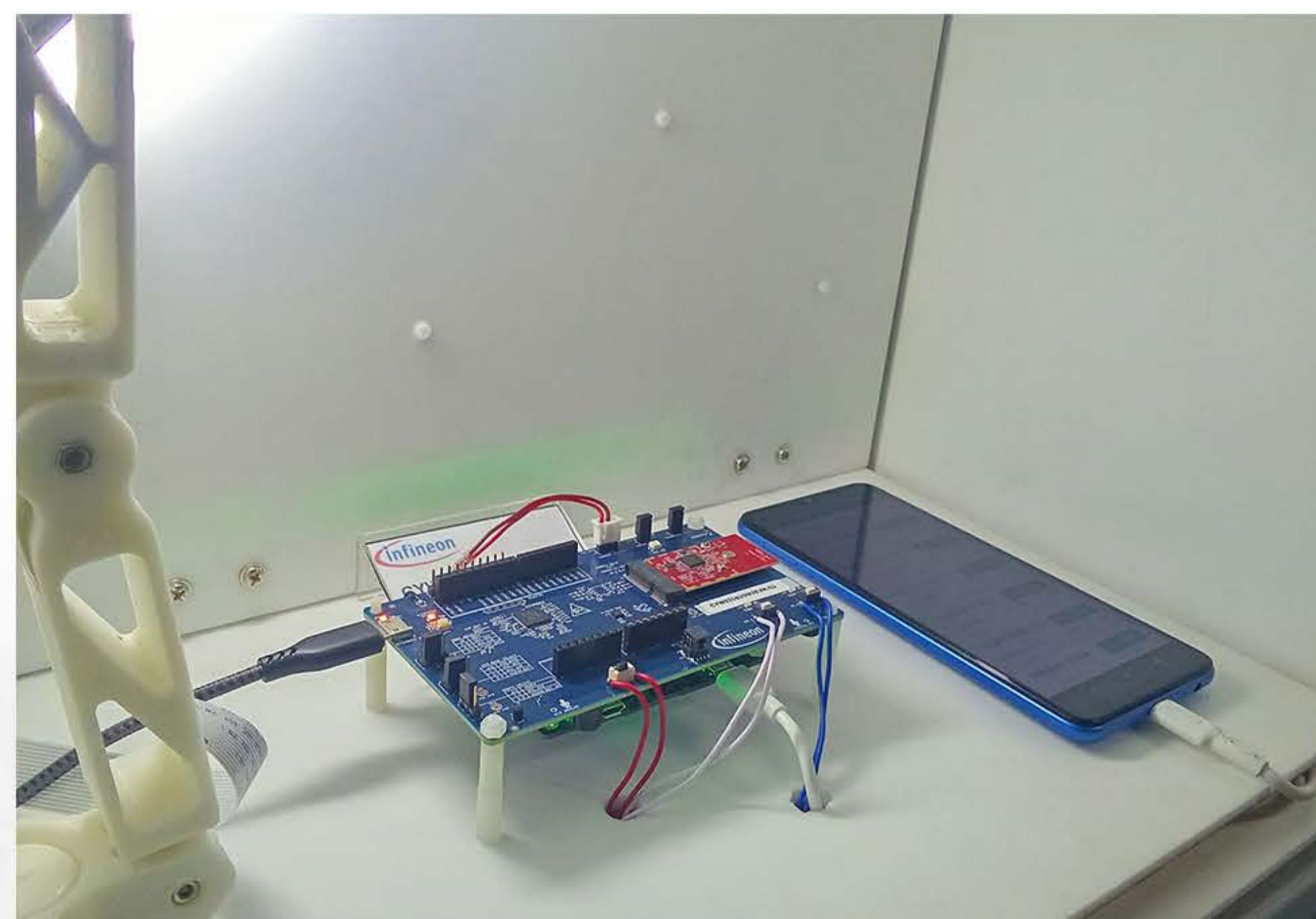
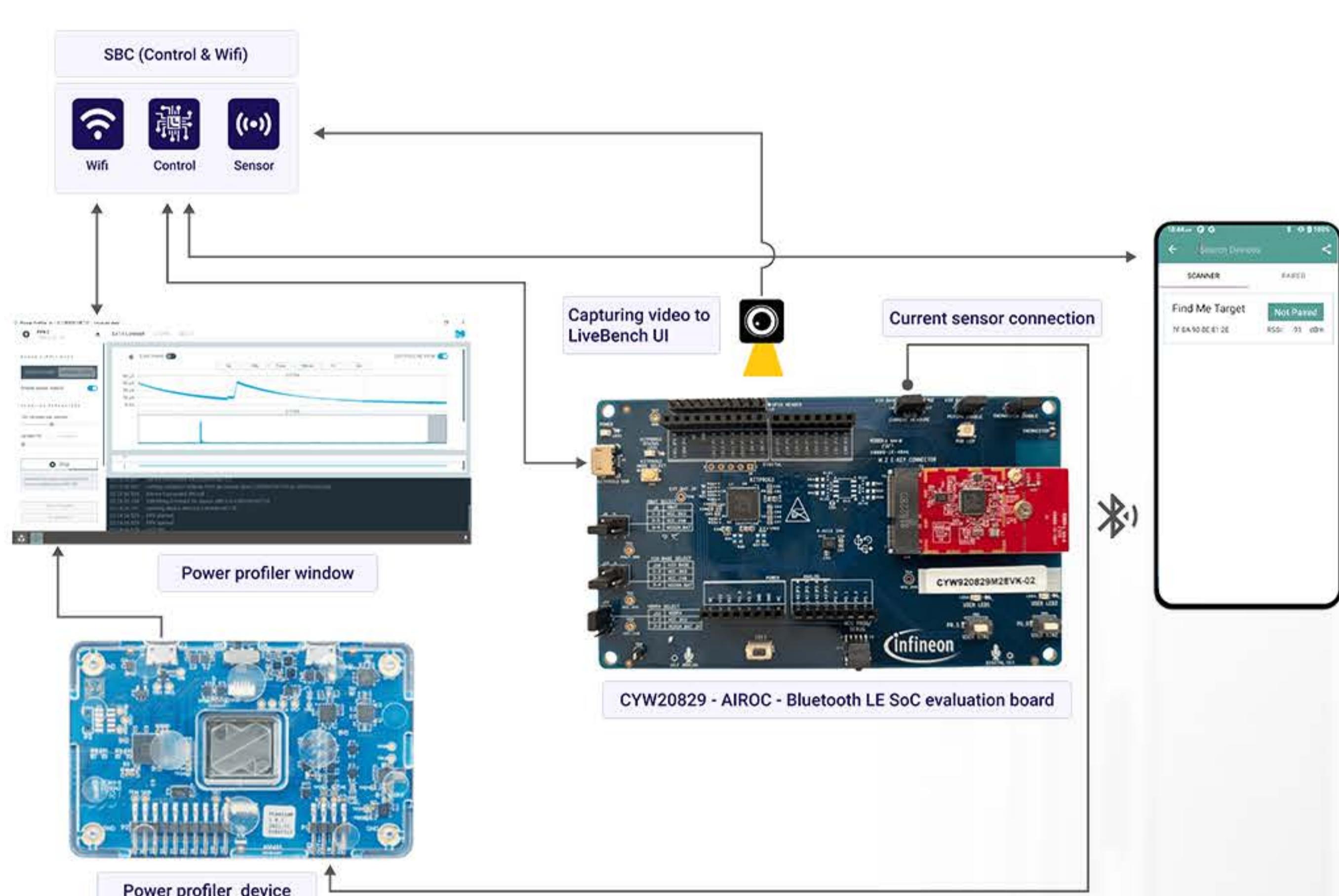


### Simplified Maintenance and Upgrades

- TenXer manages hardware maintenance and firmware upgrades.
- 99% uptime of test environments



## Lab Setup on LiveBench



## Current Hosted Designs / Brands

List of sample labs hosted on LiveBench relevant for **Processor applications**:



Click to read more about the lab

Click to view the lab in action

[Read more](#)

### Bluetooth LE SoC – AIROC CYW20829

Power profiling across different power modes



Click to read more about the lab

Click to view the lab in action

### ST Microelectronics - IO Link Master and Device Boards

Sensor connectivity (temperature, humidity, accelerometer and gyrometer)

\*Request details about the lab at [contact@tenxerlabs.com](mailto:contact@tenxerlabs.com).



Click to view the lab in action

### Silicon Labs - Channel Sounding

Accurate bluetooth ranging up to 5 mts

\*Request details about the lab at [contact@tenxerlabs.com](mailto:contact@tenxerlabs.com).



Click to read more about the lab

Click to view the lab in action

[Read more](#)

### Renesas - DALI Intelligent Lighting System

Different lighting controls, monitor communication protocol