

BAZ → LAB

Who we are ? ➔




THE SMART INNOVATION ENGINE

- Baz Lab is the research and **development** division of Baz Station, specializing in transforming ideas into functional prototypes, and then into real, manufacturable products
- We design and **program custom electronic** circuits, develop smart systems powered by the Internet of Things (IoT), and build tailored technology solutions
- In addition to our core mission, we bring **innovation** into gaming rooms through technologies like interactive RGB lighting, fingerprint access, and custom smart control systems





> OUR SERVICES




- >  **Custom PCB Design & Programming**
From schematic to manufacturing, we build hardware tailored to every idea.

- >  **IoT Systems & Connectivity**
Connecting devices to the internet for remote control, automation, and intelligent monitoring.

- >  **Prototyping & Rapid Innovation**
We help individuals and businesses turn concepts into working, testable devices.

- >  **Smart Product Development**
Including biometric locks, synced lighting controllers, and custom smart devices.

- >  **Tech Add-ons for Gaming Rooms**
From reactive RGB lighting to immersive sensor-based effects and wireless control.



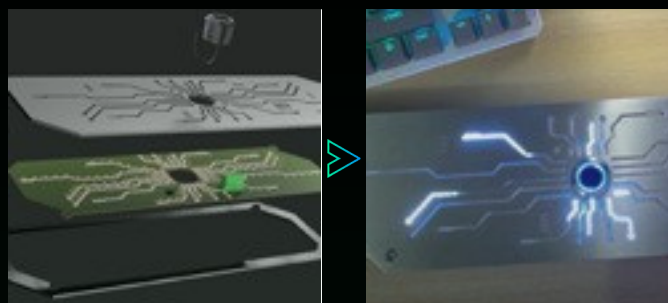


FROM IDEA



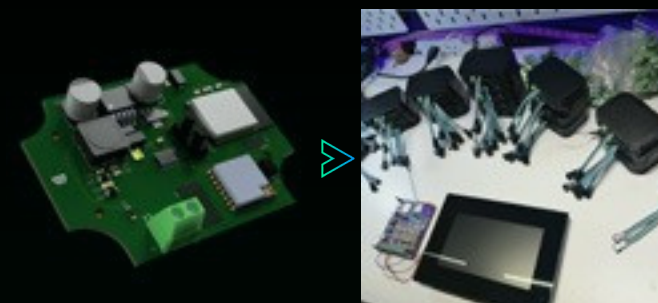
TO REALITY

Showcase Projects from Baz Lab:



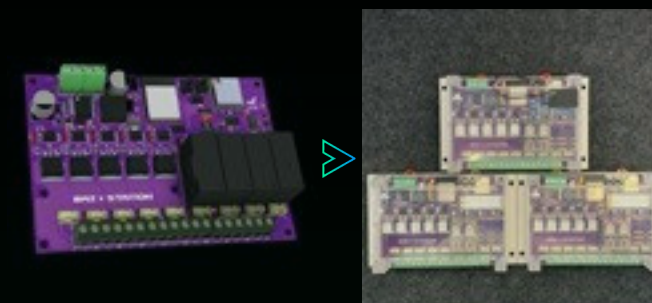
RGB Fingerprint Door Lock

➤ A modern smart lock that uses biometric access and RGB lighting effects, housed in a brushed stainless steel enclosure – perfect for futuristic rooms.



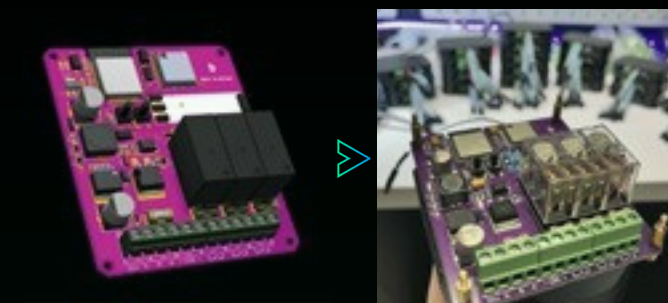
LoRa-Powered RGB Control Panel

➤ A central unit that manages multiple RGB zones wirelessly using long-range LoRa technology, designed for scenarios where Wi-Fi is not reliable or available.



Smart Home Lighting Control Board

➤ A custom-built PCB designed to control home lighting systems with compatibility for voice assistants and mobile interfaces.

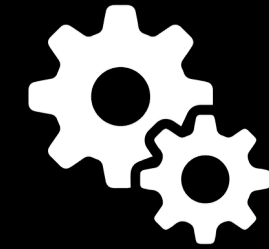


Compact Smart Home Board with LoRa RGB Sync

➤ A mini smart board that connects wirelessly with RGB control units via LoRa, enabling synchronized lighting effects without requiring an internet connection..



OUR PROCESS



You approach us with an idea or challenge

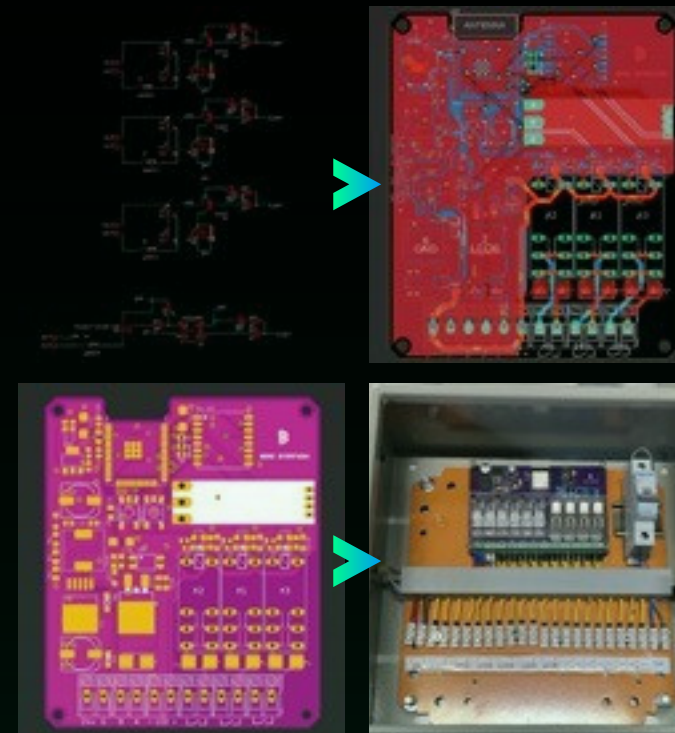
➤ The Idea ➡ You approach us with an idea or challenge ➡ Design Phase

We create a technical design with schematics, components, and logic flow ➡

Prototyping ➡ A working prototype is built and tested for performance ➡

Refinement ➡ Based on test results, we improve and finalize the design ➡

Final Implementation ➡ We deliver a production-ready product or integrate the solution into your project.



BUILDING THE FUTURE WITH SMART INNOVATION

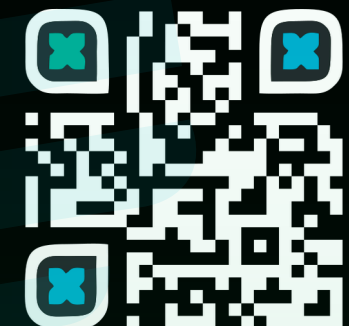
Vision Statement:

- We aim to become the leading hub in the Arab world for transforming creative technical ideas into working smart products.
- At Baz Lab, we bring together engineering, imagination, and cutting-edge technology.

Let's Collaborate:

- Whether you're a startup, a company, or an individual with a unique idea — Baz Lab is your partner in smart innovation.

➤ www.bazstationlab.com <





اصنع في الإمارات

MAKE IT
IN THE EMIRATES

► UAE BRAND-SINCE 2000 ◀