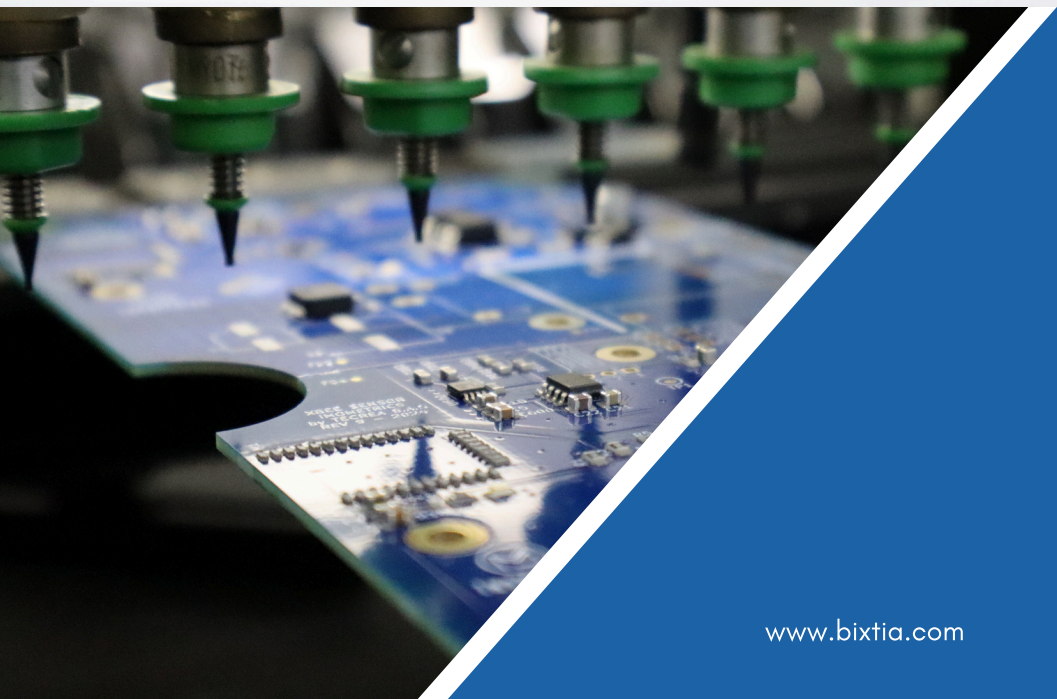
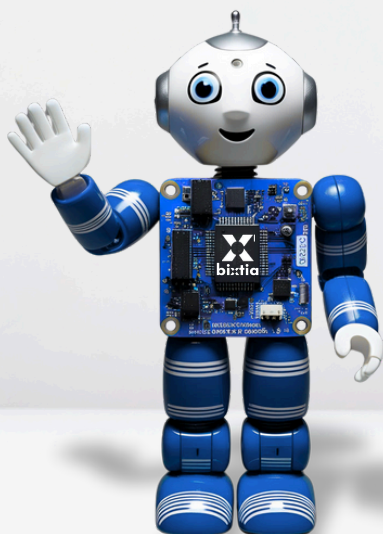


# bixtia

WE TURN IDEAS INTO SMART HARDWARE



[www.bixtia.com](http://www.bixtia.com)

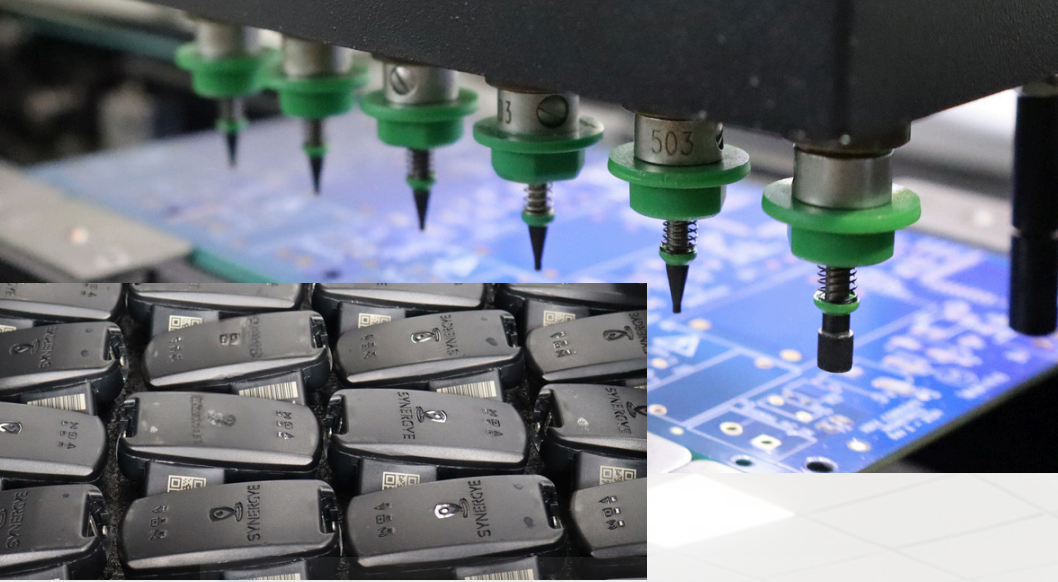


# hardware in bixtia style

In electronic manufacturing, every detail matters. At Bixtia, we don't just assemble — we create complete hardware solutions. We take your project all the way to mass production, offering an end-to-end process that ensures quality, efficiency, and reliable delivery times.

- Design and development of electronic devices
- Printed Circuit Board Assembly (PCBA)
- Manufacturing of wire harnesses and membrane panels
- Specialized logistics for component sourcing.
- Custom functional testing
- Complete Box Build: every device assembled, tested, and ready for distribution





# bi x ti ia

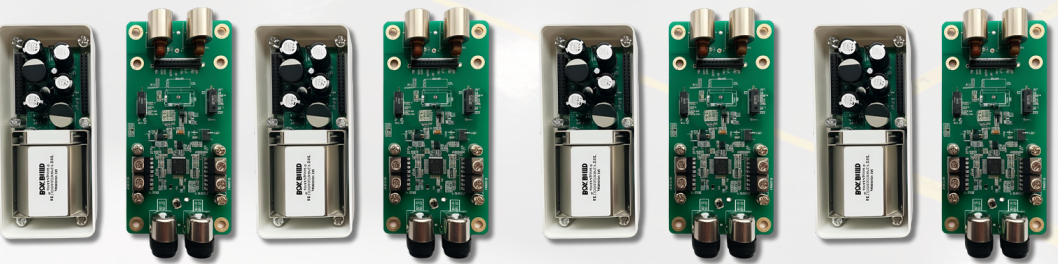
Dual Purpose:  
Development and Manufacturing.  
Our smart devices are not only designed and built by us — they also serve a second purpose: they enable Business Intelligence (BI) through data collection and smart connectivity.

A multiplier of value,  
an amplifier of ideas,  
an integrator of  
solutions

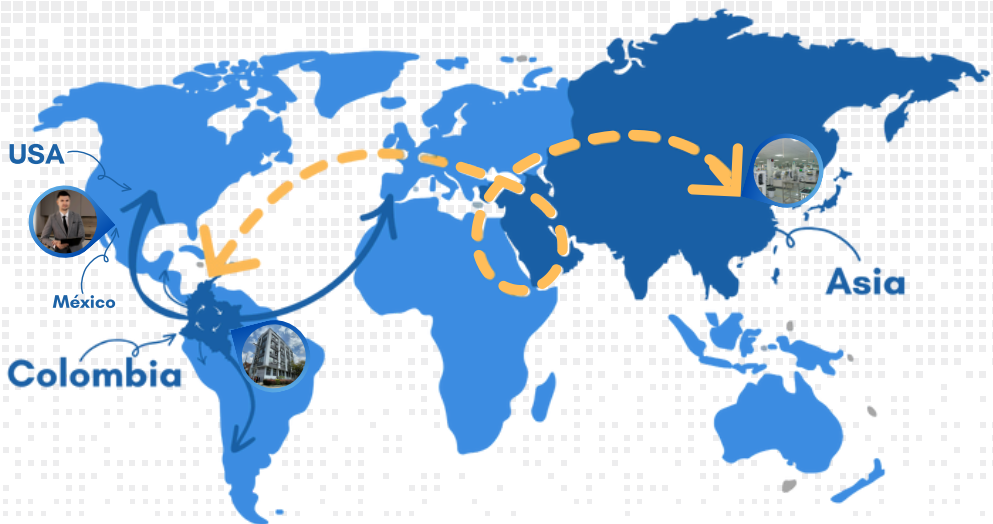
Information technology  
elevated by integrating  
smart devices enhanced  
with Artificial Intelligence  
(AI).

## Our differentials are

- Commitment to delivery timelines
- Local, fast, and close support — with international partnerships
- Cost control that ensures the commercial viability of your project
- High mix and high-volume production capabilities
- Strategic partners across multiple sectors for a comprehensive solution
- Over 20 years of industry experience







# Proudly Colombian

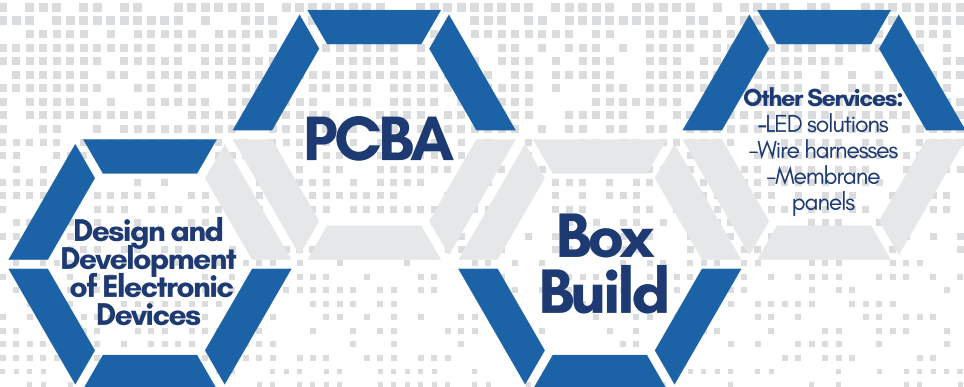


We are a proudly Colombian company, with offices in Asia and representation in Mexico and the USA — making us your ideal partner in the region.





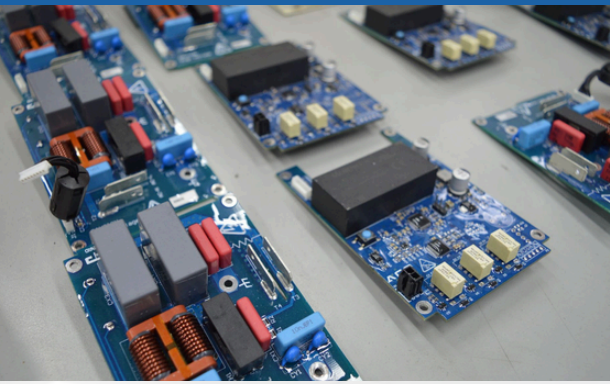
**4 specialized business** units to deliver  
your complete electronic solution



*Discover how Bixtia can power your business — complete solutions, all in one place.*

**HARDWARE**





# Assembly of Printed Circuit Boards (PCBA)

At Bixtia, we don't just assemble circuits — we create market-ready electronic solutions. We offer comprehensive PCBA services, from component sourcing to assembly and functional testing, including automated optical inspection (AOI) and X-ray inspection. All powered by advanced technology, delivered on competitive timelines, with support based in Colombia.



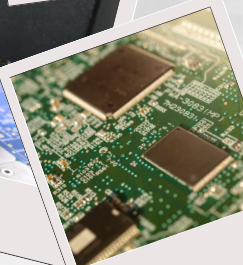
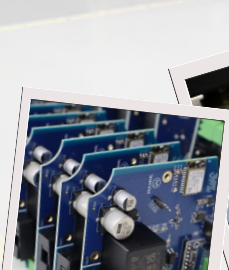
**12 SMT assembly lines  
and 3 PTH lines**



**10 inspection machines: AOI  
and X-ray**



**Capable of assembling up to  
729,000 components per hour**





# Box Build

At Bixtia, we do much more than assemble PCBs — we deliver fully finished, market-ready electronic devices.

We integrate wire harnesses, enclosures, membrane panels, functional testing, and all key components in one place.

The entire process happens right here in Colombia, with quality, speed, and no need to rely on multiple suppliers.



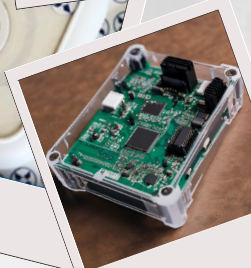
**Over 500,000 devices  
built and integrated**



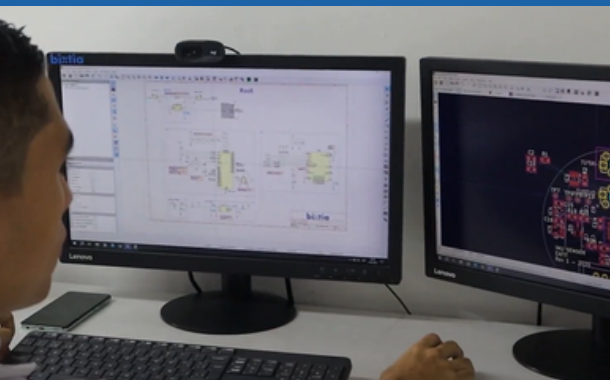
**100% of devices with  
functional testing**



**Our devices in over 10  
countries**







# Design and Development of Devices

We turn ideas into real products. Our team supports your project from initial concept, technical analysis, and early development, all the way through to the final maturation of the device.



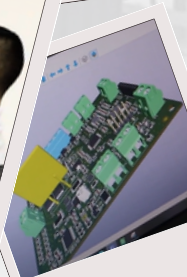
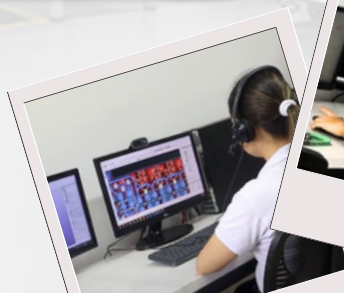
**20 + years of proven experience**



**Trusted by 100 + companies**



**Proven methodology for project development**





# Wire harnesses

We design and manufacture custom wire harnesses, ready to integrate precisely into any electronic device.

Our standardized processes, certified materials, and rigorous testing ensure quality and reliability in every connection.

With this capability in-house at Bixtia, we simplify your production and reduce lead times by integrating this service directly into our assembly and Box Build lines.



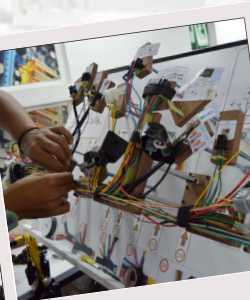
**1,000 + wire harnesses  
produced daily**



**4 assembly lines**



**Over 25 new product designs  
developed in the last year**





# LED PCB

We design and assemble high-efficiency, long-lasting LED luminaires.

Each design is tailored to your product's needs—color temperature, shape, size, and brightness level.

By integrating this capability in-house, we ensure speed, quality control, and full compatibility with our PCBA and Box Build services.



**Different types of substrates**



**A wide range of shapes and configurations**



**Different lighting temperatures**







# Membrane panels

We design and manufacture functional, durable, and customized membrane interfaces — ideal for practical and aesthetic control of electronic devices.


Our panels combine design, engineering, and manufacturing, integrating seamlessly with our PCBA, Box Build, and wire harness services.



**A wide variety of shapes and custom designs**



**Up to 1 million keystroke cycles — built to last**



**We certify components to extend the lifespan of your machines**



# We've delivered projects across the following industries



**Healthcare**



**Retail**



**Logistics and Transportation**



**Cold Chain**



**Automotive**



**Military**



**Agri-industrial**



**Correctional**



**Telecommunications**



**Industrial**

# Certifications

With our combined capabilities, we have:



*Certified IPC-A-610  
Application Specialist*



# High Versatility



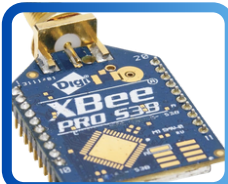
**QUECTEL**

High reliability, global support, and a wide range of models for different networks



**XBEE**

Easy integration, low power consumption, and excellent for point-to-multipoint communication



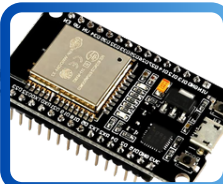
**TÉLIT**

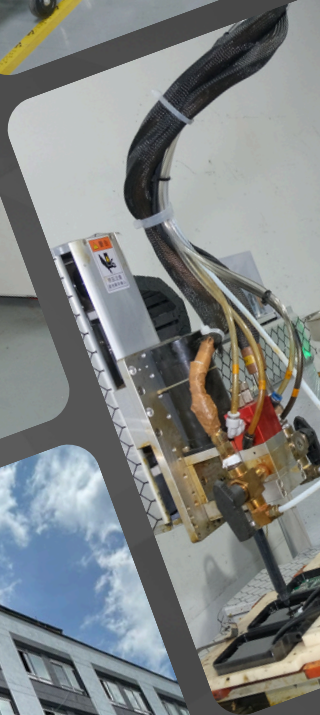
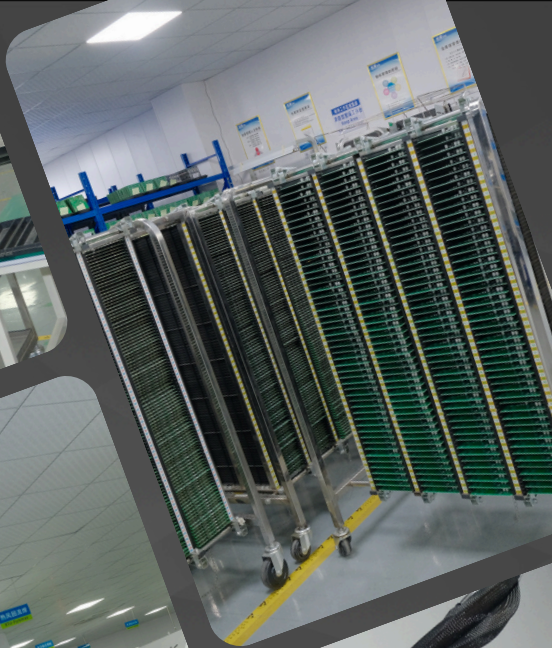
High quality, global certifications, and strong technical support



**ESP32**

Ideal for IoT prototypes, with low power consumption and solid processing capabilities









# bixtia

WE TURN IDEAS INTO SMART HARDWARE

**Find everything in one  
place — get in touch  
with us now:**



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customers@bixtia.com



www.bixtia.com

