



**Kabani Tech**  
*#MakerSpace*

TOGETHER WE BRING YOUR IDEAS TO LIFE

IDEATE    PROTOTYPE    TEST    MANUFACTURE

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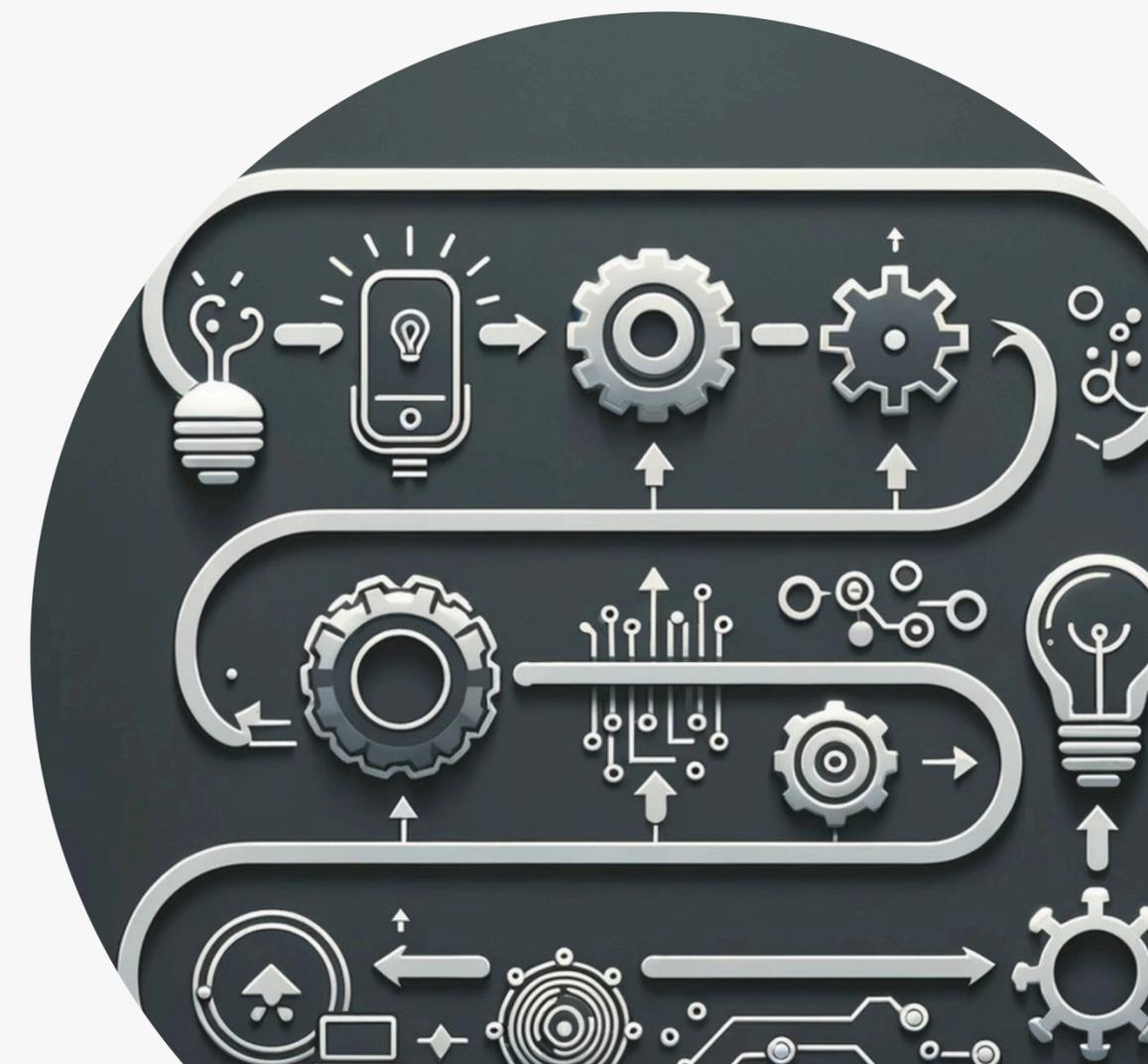
IOT    ROBOTICS    MEDTECH

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## ABOUT US

Kabani Tech specializes in transforming innovative ideas and research outputs into tangible, market-ready products through strong translational research and engineering execution. With expertise in robotics, IoT, MedTech, and consumer electronics, the firm guides startups and MSMEs through every development stage—from concept and early prototypes to scalable manufacturing—ensuring reliability, compliance, and high-quality outcomes.

We are a Hardware Accelerator to Transform **ideas** from Concept to Market ready **Products**.





At Kabani Tech Pvt Ltd, we believe that every groundbreaking product begins with a simple idea. However, transforming that idea into a market-ready product is where the real challenge lies. As a hardware accelerator, we specialize in turning innovative concepts into tangible, high-quality solutions by combining our expertise in Robotics, IoT, and Consumer Electronics.

From ideation to large-scale manufacturing, we guide startups, MSMEs, and other business owners in developing new products. In essence, we act as their hardware partners through every stage of product development, offering services in PCB design, embedded systems, reverse engineering, software development, 3D design, rapid prototyping and enclosure manufacturing.

By partnering with trusted local and global vendors, we ensure rapid delivery and exceptional value in our products and services while guaranteeing the complete protection of our clients' intellectual property.

Whether it's creating an MVP or scaling for production, Kabani Tech is committed to helping our customers innovate faster and smarter, with unmatched precision. Hence our tagline: Together, we bring your ideas to life.

# Value Proposition

We unify design, prototyping, verification, and scalable manufacturing to cut time-to-market and cost while de-risking compliance



Design, prototyping, MVP and pilot production all under one roof



Cross functional – multi domain engineering teams. IP Protection Policy



Flexible engagement models: services, equity partnerships or subscription

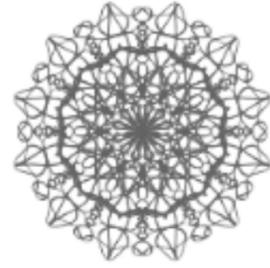


40% faster Rapid turnaround and compliance guidance reduce cost, risk and time-to-market

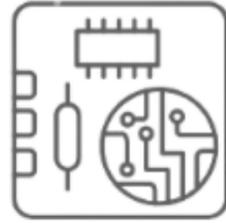
# our clients



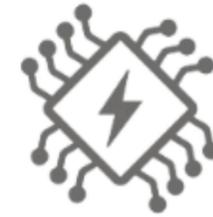
# Our Services



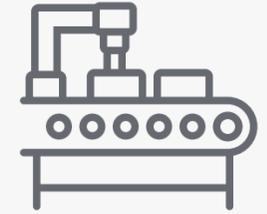
Product Design &  
Development



PCB Designing &  
Assembly



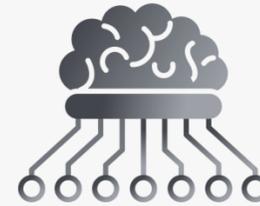
Embedded System  
Development



Small-Medium  
Production



Software  
Development.



Data Analytics,  
AI/ML



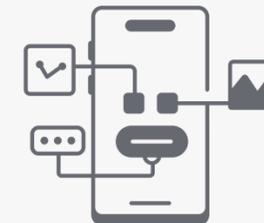
Computer Aided Design &  
Manufacturing



Enclosure &  
Package Designing



3D Printing &  
Designing



Mobile App  
Development



Custom Research &  
Developments

Idea &  
Feasibility  
study

Design &  
Engineering

Rapid  
Prototyping

Certifications &  
Compliance

Pilot  
Production

# Core Team

## DR.SREEKANTH MADHAVAN

MD, CEO

PHD: ELECTRICAL ENGINEERING, NIT CALICUT.  
MTECH: SIGNAL PROCESSING, CET  
BTECH: ECE, JYOTHI ENGG COLLEGE



FOCUSES ON EXECUTIVE LEADERSHIP AND SYSTEM DESIGN AND ARCHITECTURE. HE OVERSEES STRATEGY, PARTNERSHIPS AND INVESTOR RELATIONS.

## AKASH PRAKASH

CTO, DIRECTOR

BTECH: ECE, SREEPATHY ENGG COLLEGE



LEADS PRODUCT AND SYSTEM DESIGN ACROSS THE STACK: HE BRIDGES ELECTRONICS, EMBEDDED AND SOFTWARE DEVELOPMENT, TURNING CONCEPTUAL DESIGNS INTO FUNCTIONAL PRODUCTS.

## SANDEEP V MENON

CDO, DIRECTOR

BTECH: ECE, JYOTHI ENGG COLLEGE  
DIPLOMA: ECE, MTI, THRISSUR



DRIVES ELECTRONICS MECHANICAL AND INDUSTRIAL DESIGN: HE IS RESPONSIBLE FOR CAD, DESIGN-FOR-MANUFACTURING, AND USER-CENTRIC HARDWARE AESTHETICS, ENSURING THAT PROTOTYPES ARE MANUFACTURABLE AND COMPLIANT

# Associations and Recognitions

Kabani Tech has been selected to IMPACT 2.0 Program by IPTIF (IIT Palakkad)

A grand of 50 Lakh INR is received for the project “An Electric Screddriver for Surgical Applications”

Kabani Tech has been selected for the **Stanford Seed** Program in Cohort 11

A spin-off firm formed dedicated to MedTech development - Orvex Medical Pvt Ltd

# SERVICES AS A HARDWARE ACCELERATOR

\*\* SELECTED



## **SURGICAL SCREW DRIVER**

Design and development of an screwdriver for orthopedic surgical applications.

Client: Mr Saneer Mohammad, Calicut

Funded By: SCTIMST-TIMed, Trivandrum



## **UV BASED SANITIZATION ROBOT**

A 4-wheeled remote-controlled robot which can navigate to different locations in an hospital and sanitize the room and air using UV rays.

Client: Movable Solutions, Trivandrum

Funded By: SCTIMST-TIMed, Trivandrum

Images cannot be published due to NDA

## DESIGN AND DEVELOPMENT OF AN IMPEDANCE MATCHED FEEDBACK MONITOR ”

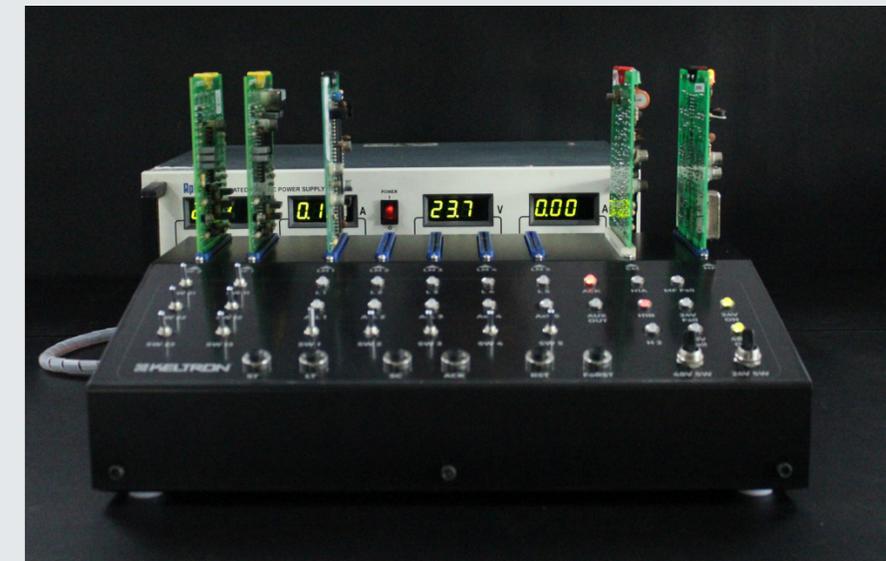
A feedback display device for an Auto-Manual Station. The original analog instrument was developed by Bailey Control, France. As the company stopped its operations, the product was not available in the market. Kabani Tech redesigned the display and delivered the product to KELTRON Controls.



Client: KELTRON Controls Aroor

## REVERSE ENGINEERING AND DOCUMENTATION OF CONTROL CARDS ”

The objective was to reverse engineer and understand the working principle of control cards installed at various industries. The original control card design was from Bailey Controls (presently under ABB) but the documentations and other production details were lost. We reverse engineered several series of such cards and made test Jigs for the same.



Client: KELTRON Controls Aroor

## 12 KV PLASMA GENERATOR ”

Designed and developed a 12 KV plasma generator which is used to disinfect laboratory crucibles



Client: Dr Emil Skaria, NIT Calicut

## DEVELOPMENT OF BATTERY FOR MATERIAL HANDLING ROBOT ”

Kabani Tech works as a consultant to Terranova Energy for the design and development of a battery for Material Handling Robot



Client: Terranova Energy Pvt Ltd, Nallore, AP

## DEVELOPMENT OF AN IOT DEVICE HARDWARE FOR MONITORING INDUSTRIAL REFRIGERATION SYSTEMS



Kabani Tech designed and developed the hardware. The PCB design, assembly and the product manufacturing is done at our firm.



Client : IOTNauts, Thrissur

## REVERSE ENGINEERING AND DEBUGGING OF DIGITAL TORQUE WRENCH STATION

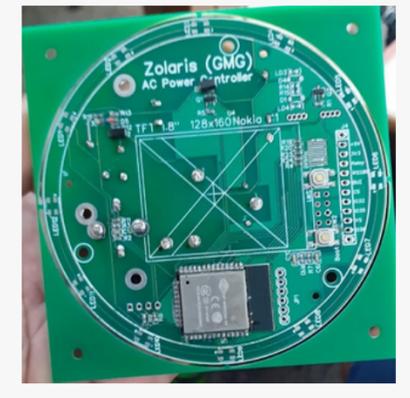
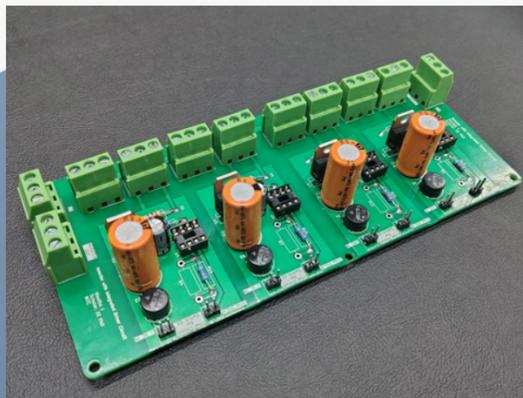
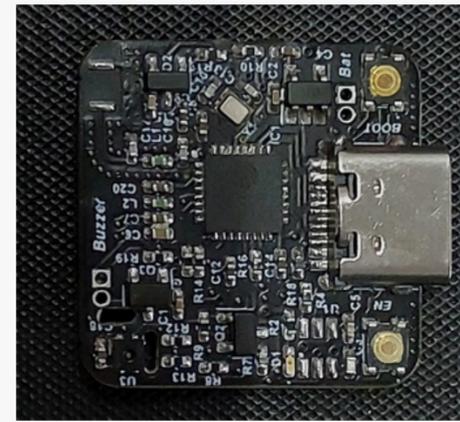
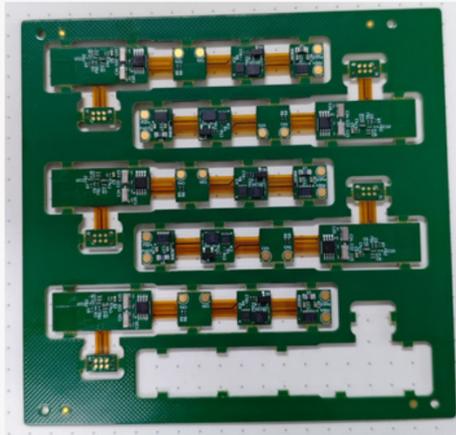
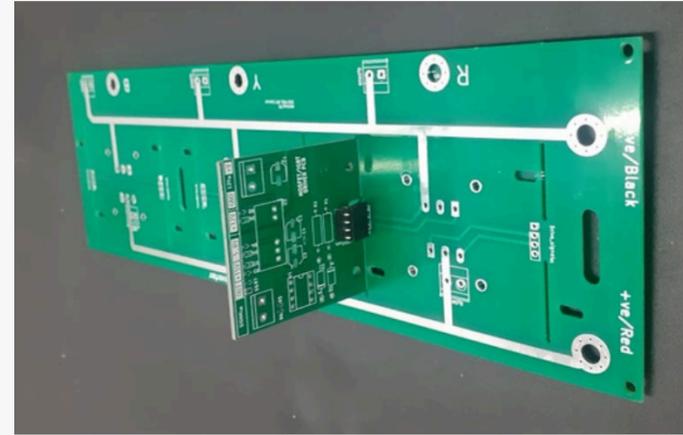
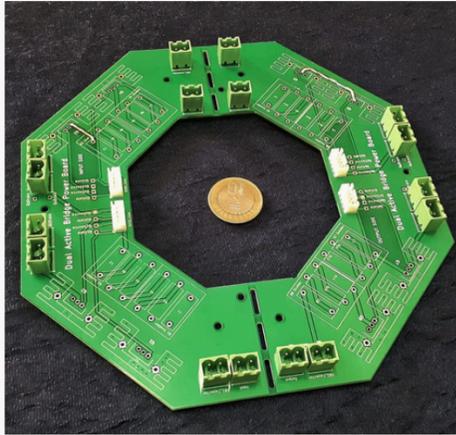


Maintenance and fault-finding for the digital torque wrench system used in an excavator's main control valve, involving 14 wireless-equipped torque wrenches



Client : Volvo Construction Equipment Bangalore

# SOME OF THE PCBS DESIGNED AND DEVELOPED IN-HOUSE.



# OUR PRODUCTS

\*\* SELECTED

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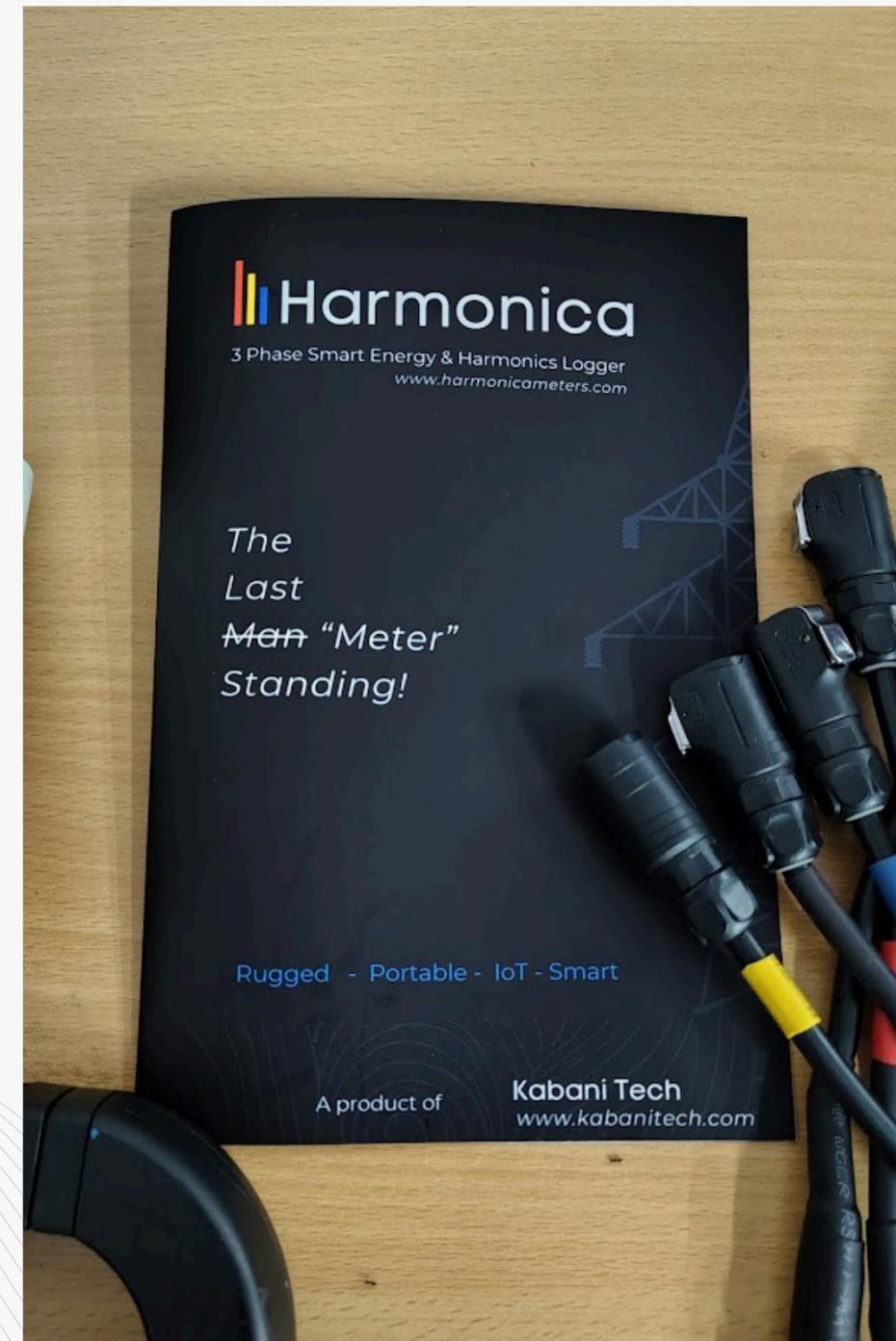
## 3 Phase Smart Energy & Harmonics Logger

A product of  **Kabani Tech**<sup>TM</sup>  
#MakerSpace



# Harmonica

3 Phase Smart Energy & Harmonics Logger



Our Harmonica data logger have successfully measured secondary parameters of more than Two hundred distribution transformers in Tamil Nadu & Karnataka

# Harmonica

3 Phase Smart Energy & Harminics Logger



# Features of Harmonica



3 Phase Smart Energy & Harminics Logger

## ▶ Accurate Monitoring

Measures Three Phase Voltage, Current (0-1000A), PF, Frequency, and, Total Harmonic Distortion (THD) up to the 15th order.

In-built GPS, Temperature & Humidity Sensors

Capability to send upto 150 Three Phase parameters to cloud

## ▶ Integration with IoT Cloud Platform

Real-time data visibility

Customizable data download formats and intervals.

Supports GPS-tagged image uploads for data validation.

## ▶ Power Selection Circuit & Battery backup

Ensures continuous operation even if one or two phases fail

Maintains communication to IoT Cloud during power outages

## ▶ Rugged Design

IP65-rated enclosure

Forced cooling for operation in high temperatures

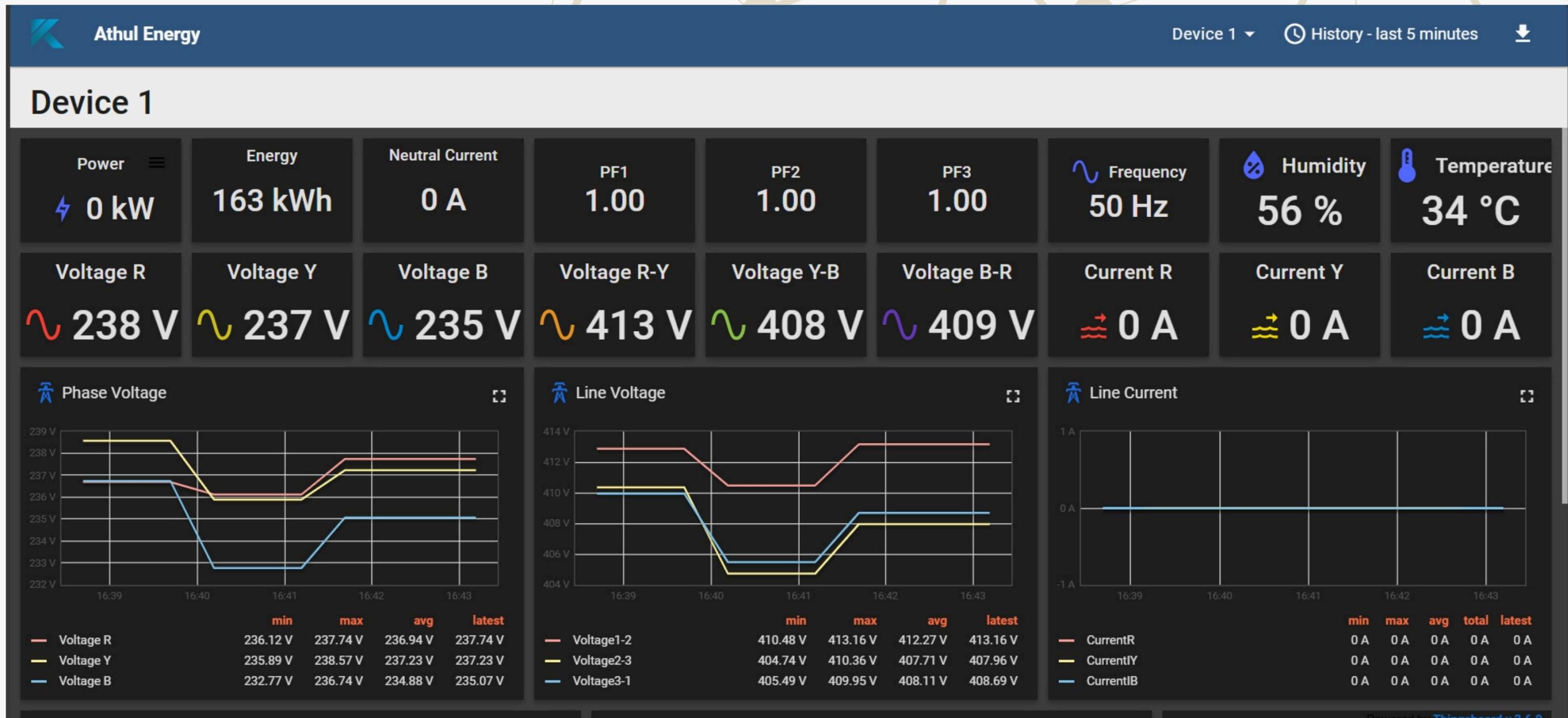
Suitable for industrial, commercial, and residential energy management.

## ▶ Comprehensive Data Management

Provides a powerful solution for monitoring, analyzing, and decision-making in energy management

# Kabaniconnect: IoT cloud platform

The KabaniConnect IoT Platform is a versatile cloud-based solution designed for seamless device integration, real-time data monitoring, and remote management across various industries.



# Supported & Recognized by



**Stanford** | Seed



**Kabani Tech**<sup>TM</sup>  
*#MakerSpace*

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# THANK YOU