



We make industrial systems work

From concept to a product that works in the field.
We design, build, and mature the technology you can't buy off the shelf.

COMPANY PROFILE 2026

PROOF, AT SCALE

Flagship Products

Proof of range — not a catalog. Four co-developed systems and dozens of projects, carried all the way to deployment.

WHO WE ARE

An engineering-led system integrator

Hardtmann integrates and builds industrial systems — IoT, automation, embedded, robotics. A lean senior engineering team, scaled by a trusted specialist network per project. When there's a system to make work, we make it work. When there's no product to buy, we build it with you.

We started in **Salatiga in 2015** — young engineers taking on one project after another, from Formulatrix lab automation for the global market to field instruments for Pertamina — and formalized it into **PT Hardtmann Mekatroniske Indonesia in 2020**.

Today our devices run where it's hardest: Zone 0 oil-and-gas areas, BUMN construction sites with hundreds of workers, commercial poultry farms, and police bomb-disposal units.

Large clients don't come to buy a finished product, they come to **develop one with us.**

TRUSTED BY



HOW WE WORK

What You Get

01 One partner, concept to field

No juggling vendors. We handle the whole chain — research, mechanical & electronic design, software, manufacturing, installation, maintenance. One door, one accountability.

02 Proven in the harshest conditions

We don't design for the lab. Our products run in Zone 0 oil-and-gas areas, active construction sites, and real industrial environments. If it survives there, it survives at your site.

03 We develop, not just execute

Clients entrust the development of their products to us — proof of our research and engineering, not merely production capacity. We become your external R&D team.

04 Transparent & efficient

Open cost breakdowns so you can budget with confidence, every rupiah optimized, and a team that responds fast. Our method: Think → Draw → Make It Go → Develop.

WHAT WE DO

One Core, Five Capabilities

OUR CORE

System Integration & Product Engineering

From making existing systems work together to engineering entirely new ones — mechanical, electronics, embedded firmware, software & additive manufacturing, under one roof.

■ Robotics & Automation

Robot arms, AGVs, computer-vision systems, restoration of robotic equipment.

■ Safety & Workforce Systems

Personnel tracking, fatigue detection, PPE monitoring.

■ Industrial IoT & Monitoring

Instrument digitization, remote sensing (incl. Zone 0), real-time dashboards.

■ Kiosks & Interactive Systems

Self-service terminals, exhibition installations, automated service machines.

When a project needs Mechanical, Electrical & Plumbing (MEP) installation, we handle that too — as part of an integrated solution.

PROOF, AT SCALE

Flagship Products

Proof of range — not a catalog. Four co-developed systems and dozens of projects, carried all the way to deployment.

Co-developed with PT Wijaya Karya (Persero) Tbk.

Workforce Tracker

“Know where every worker is – and whether they’re safe.”

A wearable GPS device — body strap, lanyard, or helmet — that tracks worker position, status, and activity in real time. Man-down detection, SOS button, gas sensing (optional), and PPE monitoring, all on a web dashboard with movement playback and automatic man-hour reporting.

300+

workers tracked

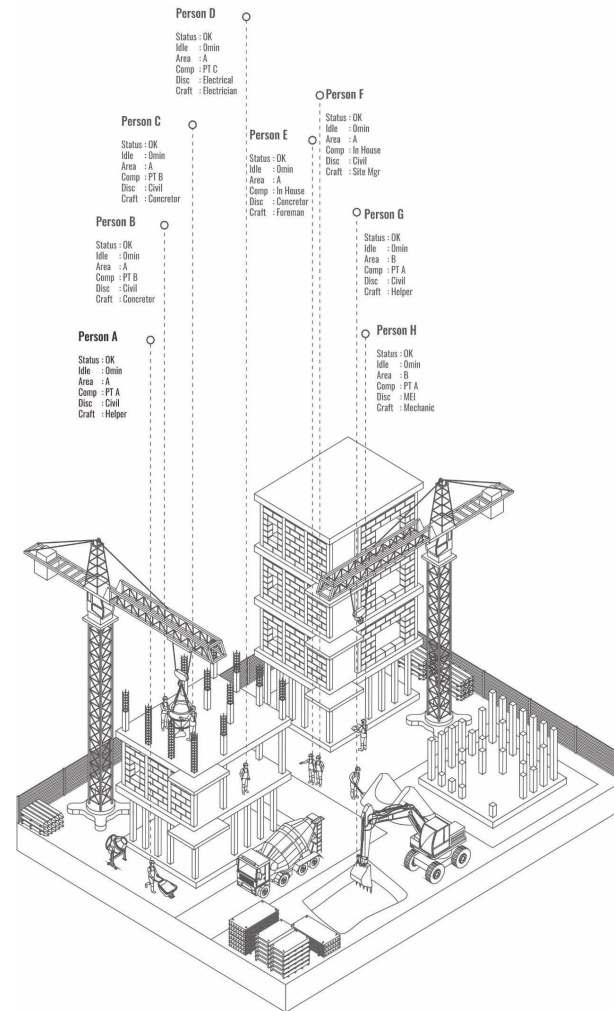
< 1 min

detection → monitoring
dashboard

**Auto
Attendance**

no manual logs,
tamper-proof

Impact: attendance and man-hours that used to be manual are now automatic and auditable; incident response is faster with real-time location.





Co-developed with PT Pertamina • MURI award recipient

FitToWork Health Kiosk



"Improving the capacity, quality, and efficiency of worker health checks."

A self-service health-check terminal (mk1 & mk2) measuring body temperature, SpO2, blood pressure, heart rate, **even blood-alcohol level**, with a separate BMI unit, user identification, and database integration to a monitoring dashboard.

<1 min

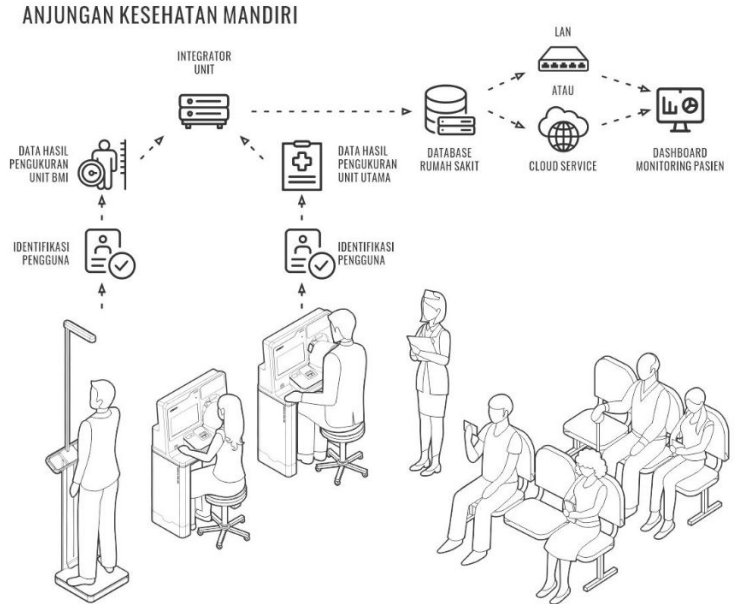
measuring time
5 parameters

300

measurement
per day/unit

5+ years

in operation



Impact: daily fit-to-work checks run independently, quickly, and digitally recorded — cutting queues and the load on medical staff.



Co-developed with PT Starvo Global Energi

Arkeus – EV Charging Platform



"Building smart infrastructure for Indonesia's EV ecosystem."

The SPKLU management platform that powers Starvo, a private EV-charging operator with wide reach. It covers a station-control dashboard, a user mobile app – find a station, start charging, monitor status – and integration with 10+ payment methods.

140+

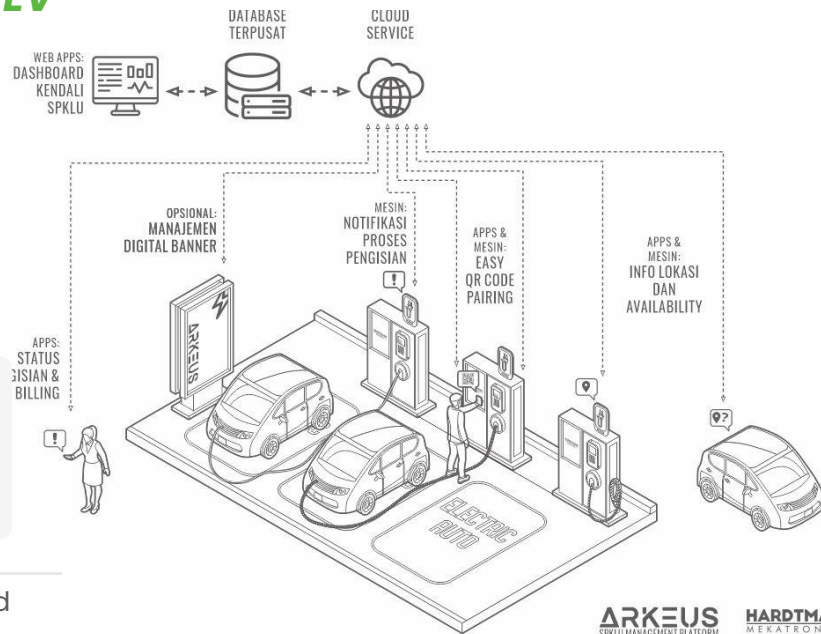
managed
charging points

10+

payment
methods

9.000+

active
user



Impact: an entire network of stations managed from one platform; end users get a three-tap charging experience from Jakarta to Denpasar.

ARKEUS
SPKLU MANAGEMENT PLATFORM

HARDTMANN
MEKATRONISKE
INDONESIA



Co-developed with the Syamsi Dhuha Foundation

BriCane – Smart Cane



"Worry-free for the visually impaired – and for their caregivers."

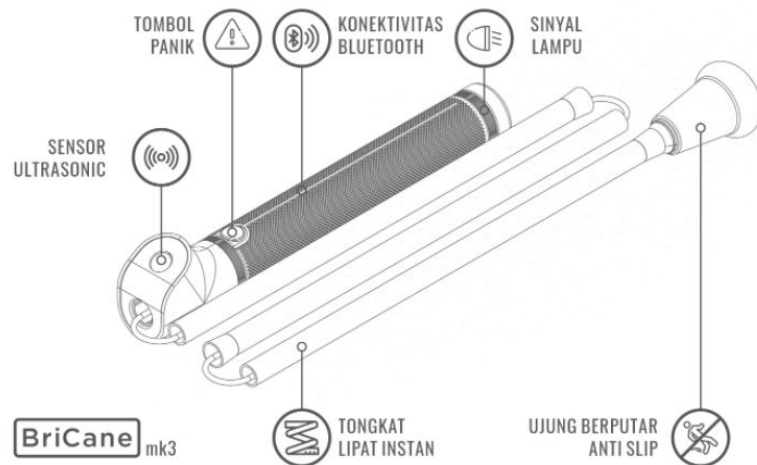
A smart cane with ultrasonic sensing, a panic button, Bluetooth, a signal light, and an instant-fold design. Paired with a mobile app on Google Play for emergency navigation and sharing location and video with a companion.

100s

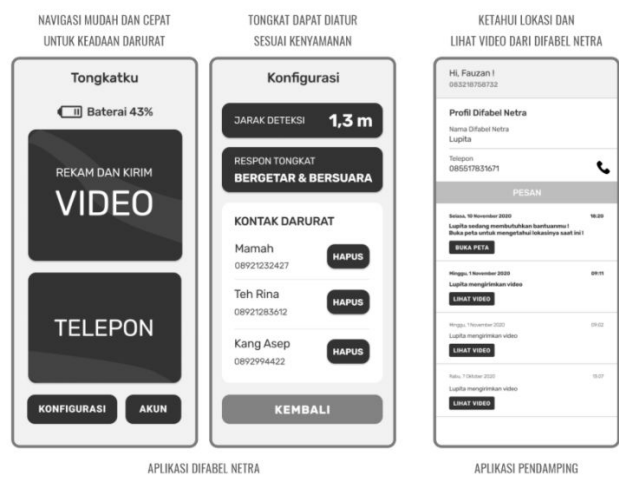
units in use

mk3

current gen



Impact: an affordable local alternative amid expensive imported devices – technology with real social reach.



PROJECT PORTFOLIO

Selected Projects

2022 & 2023

Driving Experience Simulator

Honda · GIIAS

Custom simulator to experience Honda SENSING safety features without driving.

2021–2022

Smart Poultry System

PT Sreeya Sewu Indonesia

Smart coop with climate control and centralized monitoring.

2020–2021

Integrated Cash Recycler

PT Murni Solusindo

Redesigned cash-handling machine, integrated with banking systems.

2019

Warehouse Management + AGV

PT Bukalapak

AI-driven warehouse with AGV robots and autonomous stock checks.

Balikpapan

Dial Digitizer · Zone 0

PT Pertamina

Real-time LPG-tank reading in an explosive-atmosphere area.

2018

Bomb Disposal Robot

Sat Brimob Central Java

Restored and enhanced two bomb-disposal robots back into service.

TRACK RECORD · 2011–2025

A decade of range.

Six Axis Robot Arm ITB

MEP Project Wira Eka Bhakti · 2022

LED Bike Time Trial Game Hitachi · GIIAS 2019

Crane Structure Assessment Pertamina · 2018

Product Development Support Formulatrix · 2015–17

SPBE Automated Tank Measurement Pertamina · 2016

Binaural Stethoscope Fatigue Tester ABN Medical · 2014

Automated Viscometer · ASTM D445 T-Files · 2012

Asset & Fuel Tracker + Fatigue Detection WGI · Pertamina PN · 2023

UV Bottle Sterilizer · 1,200/hr Vitamin Monster · 2019

DAUR Reverse Vending Machine 2019

NB-IoT Smart Bike Lock Banopolis · 2017

Relay Box Selalu Cinta Indonesia · 2017

Camera Deployer Product Design Pertamina · 2016

LED Bike Generator Philips · 2013

Active Solar Panel · sun tracking PLN Puslitbang · 2011

WHO WE SERVE

Across industry.

ENERGY & OIL/GAS

Pertamina · Pertamina Patra Niaga · PLN
Puslitbang

AUTOMOTIVE

Honda · Hyundai · Hitachi Battery

NEW ENERGY & EV

Starvo Global Energi

FINANCE

Murni Solusindo Nusantara

CONSTRUCTION & INFRASTRUCTURE

Wijaya Karya (Persero) Tbk. · Wira Eka Bhakti

TECHNOLOGY & E-COMMERCE

Bukalapak · Formulatrix Inc.

HEALTH & SOCIAL

ABN Medical · Syamsi Dhuha Foundation

GOVERNMENT & DEFENSE

Sat Brimob Central Java (Gegana)

WHY HARDTMANN

The Proof, in Numbers

300+

workers & 470+ devices tracked
live across WIKA operations

140+

EV charging points from Jakarta to
Denpasar on our platform

5+ years

deployed units still in operation

100s

smart canes in the hands of
visually impaired users

10+

years & 30+ projects across
seven industries

15+

corporate, BUMN, and state
clients served

One partner. Concept to field. Proven where it's hardest.

WHERE DO WE START?

What's the problem you can't buy off the shelf?

We don't sell from a catalog. We co-develop — and we prove it where conditions are hardest.

If you lead HSE

Man-down alerts in seconds.

Fit-to-work & alcohol screening.
Gas sensing in Zone 0.

If you lead Operations

Automatic attendance.

Real-time workforce location.
Field-proven uptime.

If you lead Finance

5+ years in operation.

Zero major downtime. TCO that speaks for itself.

CONTACT

Let's Create That Opportunity

"Opportunities don't happen. You create them."

OFFICE

Thamrin City Bldg. 6th Floor, Unit 7A,
Tanah Abang, Central Jakarta 10230

PHONE

0857 3643 9992 (WA)
0542 8502840 (Land Line / Fax)

WORKSHOP

Jl. Flamboyan Raya No. 1, Kel. Bencongan Indah,
Kec. Kelapa Dua, Tangerang

EMAIL & WEB

letstalk@hardtmann.id
hardtmann.id