



COMPANY PROFILE 2026 · ENTERPRISE SOFTWARE & AI ENGINEERING

# Engineering Digital Systems for Modern Enterprises

We design, build and integrate enterprise software, mobile applications, AI systems and computer vision solutions.

Web

Mobile

AI

Computer Vision

System Integration

Dedicated Engineering Teams

PT Mandiri Bahari Teknologi  
[mandiribahariteknologi.com](http://mandiribahariteknologi.com)

Founded 2021

## POSITIONING

# Enterprise Software & AI Engineering

Enterprise software & AI engineering company in Indonesia building enterprise software, mobile applications, AI, computer vision, system integration and dedicated engineering teams.

Enterprise Software Engineering

Mobile Application Development

AI Development &amp; Integration

Computer Vision

System Integration

Dedicated Engineering Team

## CONTENTS

|                                          |    |
|------------------------------------------|----|
| • Positioning                            | 2  |
| • Who we are                             | 3  |
| • Capabilities overview                  | 4  |
| • Enterprise Software Engineering        | 5  |
| • Mobile Application Development         | 6  |
| • AI Development & Integration           | 7  |
| • Computer Vision                        | 8  |
| • System Integration                     | 9  |
| • Dedicated Engineering Team             | 10 |
| • Products                               | 11 |
| • Industries                             | 12 |
| • Selected clients                       | 13 |
| • Selected case studies                  | 14 |
| • Engineering Process & Technology Stack | 15 |
| • Contact                                | 16 |

**20+**

Clients

**20+**

Projects

**13+**

Engineers &amp; specialists

**0+**

Products

**2021**

Founded

## WHO WE ARE

# We build the systems that run operations

MBT was founded in 2021 and has been operating since 2022. We are a technology engineering company: our work starts with understanding business processes, then designing and building systems that are used every day.

Our projects include CEISA 4.0 Host-to-Host customs integration for automotive manufacturers, an online CCTV platform, a clinic management system, cooperative applications, HRIS, service desk and e-procurement.

## VISION

To be the technology engineering partner trusted by companies in Indonesia to build digital systems that are reliable, integrated and ready to grow.

## MISSION

- Design software from a real understanding of business processes.
- Build systems that are integrated, documented and easy to extend.
- Apply AI and computer vision in measurable ways for operational needs.
- Keep scope, communication and post-implementation support transparent.

## 01

**Focused on enterprise solutions**

Processes with many users, multi-level approvals, sensitive data, and integration with other systems and regulations. This is the context we build for.

## 02

**Engineering culture**

Architecture is designed before coding, code is reviewed, testing runs through SIT and UAT, and every release ships with documentation another team can continue from.

## 03

**Client-oriented**

Transparent scope, demos at every milestone and regular communication. Requirement changes are discussed together with their impact on time and cost.

## CAPABILITIES OVERVIEW

# Core capabilities for enterprise systems

From core applications to AI and computer vision, every capability is designed to connect within one architecture.



## Enterprise Software Engineering

Enterprise software designed around business processes: ERP, HRIS, e-procurement, workflow approval and operational dashboards.



## Mobile Application Development

Android, iOS and Flutter applications for employees, field teams and customers, connected to core systems through APIs.



## AI Development & Integration

Generative AI, RAG and document AI integrated into enterprise workflows with clear data controls.



## Computer Vision

Face recognition, object detection and video analytics that turn cameras into operational data.



## System Integration

Connecting ERP, government systems such as CEISA, payments, devices and legacy applications through reliable APIs.



## Dedicated Engineering Team

Engineers, QA and project managers working as an extension of your team, with capacity that scales with your roadmap.

## ENTERPRISE SOFTWARE ENGINEERING

# Enterprise software designed around your business processes

Enterprise software development is the design and build of custom systems for company processes with many users, multi-level approvals, unique business rules and integration with other systems. MBT builds these systems from process mapping, not from templates.

- Custom web applications & internal systems
- Workflow, approval and audit trail
- Integrated with ERP and third-party systems

**Web Application Development****Enterprise Software Development, Custom Software Development**

01

**Process mapping**

Workflows, roles, approvals and data are mapped with process owners before design starts.

02

**Module & data design**

Database structure, access rights and module boundaries are designed so new modules do not break existing ones.

03

**Staged releases**

The module with the highest business value ships first, then the system grows milestone by milestone.

04

**SIT & UAT**

Functions and integrations are tested through System Integration Testing, then validated by users through User Acceptance Testing.

Custom Web Application

ERP / Internal System

HRIS

e-Procurement

Workflow &amp; Approval System

Dashboard &amp; Reporting

Service Desk / Ticketing

Operational System

Business Application

## MOBILE APPLICATION DEVELOPMENT

# Enterprise mobile applications connected to your core systems

Mobile application development is the build of Android, iOS and cross-platform applications for employees, field teams and customers. The apps we build are designed to work with your existing systems, including when connectivity is unreliable.

- Android, iOS and Flutter
- Employee self-service & field apps
- Offline sync and push notifications

**Android & iOS App Development**

01

**Choose the platform**

Native or Flutter is decided by users, devices and required features.

02

**Mobile UX design**

Flows are kept short for one-handed use and field conditions.

03

**API & offline sync**

APIs are prepared or connected, including a data queue while devices are offline.

04

**Device testing & distribution**

Testing on several devices, then public or internal distribution.

Android development

iOS development

Flutter / cross-platform

Enterprise mobile application

Employee Self-Service / Mobile HRIS

Push notification

Offline sync

API integration

## AI DEVELOPMENT &amp; INTEGRATION

# AI engineering & integration for enterprise processes

Enterprise AI integration is the work of connecting AI models to company data, applications and workflows so AI is actually used in operations. As an AI integrator, MBT builds the applications, data pipelines and access controls around existing AI models. We do not develop our own foundation models.

**AI Engineering & Integration, Enterprise AI Integration**

- Generative AI, RAG and AI copilots
- Document AI, OCR and speech-to-text
- Integrated with your systems and access controls

Generative AI

RAG Development

Document AI

Speech-to-Text

AI Automation

AI Agent &amp; Agentic Workflow

**Generative AI**

- RAG / Enterprise Knowledge Chatbot
- AI Copilot
- Summarization
- Document Q&A

**Intelligent Document Processing**

- OCR & Data Extraction
- Document Classification
- Structured Data Extraction

**Speech & Audio**

- Speech-to-Text
- Meeting Transcription
- Automatic Summarization

**AI Automation**

- AI Workflow Automation
- Classification / Recommendation Engine
- AI Agent / Agentic Workflow (where relevant)

## COMPUTER VISION

# Computer vision that turns cameras into operational data

Computer vision is the field of AI that lets systems recognize faces, objects, text and events in images or video. Cameras are already installed across many workplaces, but their footage is rarely processed. MBT builds computer vision solutions that pass detections to business applications as actionable data.

### Computer Vision Solutions, Video Analytics

- Face recognition & camera attendance
- Object detection & safety monitoring
- Connected to HRIS, dashboards and notifications

Face Recognition

Camera Attendance

Object Detection

Video Analytics

**Built on CCTV experience.** We built Smart Online CCTV for PT Mesin Isuzu Indonesia: a web-based platform for managing many cameras and users, with motion detection and real-time access. This experience with camera streams is the foundation of our computer vision solutions.

01

### Camera

Existing CCTV or IP cameras, or new devices.

02

### Vision Engine

Models that process video in real time or on schedule.

03

### Detection / Recognition

Faces, objects, vehicles, text or events that are recognized.

04

### Business Rule

Rules that decide whether a detection is recorded or acted upon.

05

### Enterprise App

Data flows into HRIS, dashboards, notifications or other systems.

Face Recognition

Employee Recognition

Camera Attendance

Entry / Exit Tracking

Object Detection

CCTV / Video Analytics

OCR Vision

Safety Monitoring

Vehicle Recognition

Industrial Vision

## SYSTEM INTEGRATION

# System integration connecting ERP, regulation and devices

System integration is the work of connecting applications, databases, devices and third-party systems so data flows automatically without double entry. MBT designs enterprise integrations that are reliable, observable and keep running when one of the systems has a problem.

## Enterprise Integration

- CEISA 4.0 Host-to-Host & INSW
- ERP, payment and third-party APIs
- Attendance machines, IoT and legacy systems

### API Integration

### ERP Integration

### CEISA 4.0 Host-to-Host Integration

### Attendance Device Integration

### Legacy System Integration

**Case study: CEISA 4.0 Host-to-Host.** We implemented CEISA 4.0 Host-to-Host at PT Otis Indonesia, PT Mesin Isuzu Indonesia and PT SGMW Motor Indonesia. BC 2.0/BC 3.0 documents are created or imported from Excel, submitted to Indonesian Customs CEISA and INSW, and their status and responses are mo...

01

### System audit

Map the systems, data, API access and data quality to be connected.

02

### Data contract

Agree on format, frequency and validation rules for every data exchange.

03

### Integration layer

Build APIs, queues and data transformations with logging and retries.

04

### End-to-end testing

Test normal flows, invalid data and unavailable target systems.

05

### Monitoring

Status dashboards and failure alerts after go-live.

### REST API Integration

### ERP Integration

### Government Integration

### CEISA / Customs Integration

### Payment Integration

### Attendance Machine Integration

### IoT / Device Integration

### Legacy System Integration

### Third-Party API Integration

## DEDICATED ENGINEERING TEAM

## Dedicated engineering teams as an extension of yours

A dedicated engineering team is an engagement model where MBT engineers join as an extension of your team for a defined period. You add engineering capacity without a long hiring process, while MBT provides technical and management support.

- Dedicated developers, QA and PMs ready to join
- Dedicated or project-based models
- Team capacity that scales

**IT Staff Augmentation & Technology Talent Solutions**

Backend Developer

Frontend Developer

Full Stack Developer

Mobile Developer

QA Engineer

UI/UX Designer

DevOps Engineer

Project Manager

Business Analyst

AI Engineer

**Dedicated Team**

A team working full time on your product under a periodic contract.

**Staff Augmentation**

Engineers join your internal team to fill specific skills or capacity.

**Project-Based**

Scope, milestones and deliverables are agreed upfront and managed by MBT.

---

**PRODUCTS**

# Reusable products for faster implementation

Our products are platforms we have already built and can implement faster than building from scratch. For fully custom systems, see our Capabilities.

## INDUSTRIES

# Solutions for industries with complex processes

**Manufacturing**

Customs integration, CCTV monitoring and operational systems for plants and automotive companies.

**Logistics & Supply Chain**

Systems for logistics and cargo companies: documents, clearance, tracking and partner integration.

**Financial Services & Cooperatives**

Savings and loans, point of sale and accounting for employee cooperatives and business units.

**Enterprise HR**

HRIS, payroll, attendance and employee self-service for organizations with many employees.

**Customs & Trade**

CEISA 4.0 Host-to-Host and INSW integration for importers, exporters and bonded zones.

**Corporate Operations**

Service desk, e-procurement, workflow approval and dashboards for corporate support functions.

## SELECTED CLIENTS

# Trusted by Organizations Across Industries

Manufacturing, logistics, cooperative, healthcare and education organizations running systems we built and integrated.



SELECTED CASE STUDIES

# Real problems, engineered solutions



## MEDICODENTA CLINIC SIMKLINIK: Clinic Management System

An integrated clinic management system: online registration and queues, electronic medical records, pharmacy stock, billing and financial reports.



## PT. MESIN ISUZU INDONESIA Smart Online CCTV

A web-based Smart CCTV platform supporting KITE facility supervision obligations, with real-time access, multiple cameras and motion detection.



## PT. MESIN ISUZU INDONESIA CEISA 4.0 Host-to-Host Integration

CEISA 4.0 Host-to-Host integration for BC 2.0 and BC 3.0 documents: creation, Excel import, submission to CEISA and INSW, and SPI quota control.



## KOPERASI MESIN ISUZU INDONESIA Cooperative Store Point of Sale

A point of sale and store management application for an employee cooperative: purchasing, sales, member receivables, inventory and financial reports.

## ENGINEERING PROCESS

# From Business Problem to Engineered Solution

01

**Discover**

Map processes, users, data and existing systems to decide which problem is most valuable to solve.

02

**Design**

Define the architecture, user flows, UI design and integration plan before development starts.

03

**Engineer**

Build incrementally by milestone, with code review and regular demos to your team.

04

**Validate**

Test functionality, integration and performance through SIT (System Integration Testing) and UAT (User Acceptance Testing).

05

**Deploy**

Release to production with documentation, data migration and user training.

06

**Evolve**

Support, monitoring and continuous development once the system is in daily use.

## TECHNOLOGY STACK

**BACKEND**

Laravel (PHP), .NET (C#),  
Java, Python

**FRONTEND**

Vue.js, React

**MOBILE**

Flutter, Kotlin, Swift

**DESKTOP**

Tauri

**DATABASE**

MySQL

**CLOUD / DEVOPS**

Docker

**AI / ML**

Python, LLM API  
integration

**COMPUTER VISION**

Python, IP camera / CCTV  
stream

**INTEGRATION / API**

REST API, Host-to-Host  
(H2H)

**REALTIME / EVENT-  
DRIVEN**

Queues & background  
jobs

LET US WORK TOGETHER

# Have a system to build or integrate?

Tell us about your business context and existing systems. We will help map the solution, priorities and an initial estimate. A complete specification is not required.

[mandiribahariteknologi.com/en/request-quotation](https://mandiribahariteknologi.com/en/request-quotation)**OFFICE**

Ruko Emerald Summarecon Bekasi Blok UC No. 9, Marga Mulya,  
Bekasi Utara, Kota Bekasi, Jawa Barat 17142

**PHONE / WHATSAPP**

+62 851 7155 0122

**EMAIL**

admin@mandiribahariteknologi.com

**WEBSITE**

mandiribahariteknologi.com