



Meycauayan

DIGITAL GOVERNANCE PROPOSAL

CITY OF MEYCAUAYAN · PROVINCE OF BULACAN · REGION III

A Connected, Citizen-First Component City.

Twelve AI-assisted digital systems for the City of Meycauayan — eight pre-staged for production deployment today, anchored by three flagship platforms: Citizen App + DRRMO, the AI-powered CBMS, and the CPDO planning system.

12

SYSTEMS

8

READY TODAY

3

FLAGSHIPS

26

BARANGAYS

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The industrial heart of Bulacan.

Meycauayan is a component city of Bulacan, founded in 1578 and known across the country as the home of the Filipino footwear, leather, and jewelry industries. NLEX runs straight through it, the Marilao–Meycauayan River runs around it, and 26 barangays look to city hall for services at city pace — not municipal pace.



26 BARANGAYS

- Bagbaguin
- Bahay Pare
- Bancal
- Banga
- Bayugo
- Caingin
- Calvario
- Camalig
- Hulo
- Iba
- Langka
- Lawa
- Libtong
- Liputan
- Longos
- Malhacan
- Pajo
- Pandayan
- Pantoc
- Perez
- Poblacion
- Saluysoy
- St. Francis (Gasak)
- Tugatog
- Ubihan
- Zamora

IDENTITY

Official Name	City of Meycauayan
Local Name	Lungsod ng Meycauayan
Class	Component City (2006)
PSGC Code	031413000

GEOGRAPHY & SCALE

Coordinates	14.7361° N · 120.9580° E
Area	32.10 km ²
Population	~228,023 (2024)
Terrain	Urban · riverine · flood-prone

Two realities. One platform.

A component city of 228,000 residents cannot run on paper forms and disconnected spreadsheets. Meycauayan's industrial base needs BPLS turnaround that matches the pace of Valenzuela and Marilao; its riverside barangays need a DRRMO that doesn't wait for a phone tree to wake up. This proposal puts both — and ten more systems — under one roof, on one citizen identity.



Industry-Ready BPLS

Same-day processing for the leather, footwear, and jewelry MSMEs that power Meycauayan's economy.



Citywide DRRMO Coverage

Hazard overlays, evacuation centers, and live incident dispatch reach every one of the 26 barangays.









CBMS as the Source of Truth

One AI-powered citizen registry — BPLS, CHO, CSWDO, and PESO all see the same resident, not 12 duplicates.

Industrial economy meets flood-prone landscape. Meycauayan sits at the intersection of two operational realities — an industrial MSME base that needs same-day permits, and a riverside geography that needs hazard-aware emergency response. The twelve systems in this proposal address both, with an AI fabric that augments every desk in city hall without adding headcount.

Twelve systems. One AI fabric.













Every system — not just CBMS — is AI-assisted. We integrate **Azure OpenAI GPT-4o**, **Google Cloud Text-to-Speech**, and **Azure Communication Services** across the entire suite, so AI helps every desk in city hall.

 <h3>Faster Service Delivery</h3> <p>Same-day permits, instant resident lookup by natural language, real-time DRRMO triage.</p>	 <h3>Fewer Errors, Less Rework</h3> <p>AI catches duplicate residents, missing fields, and zoning conflicts before the next desk sees them.</p>	 <h3>Augment, Don't Replace</h3> <p>AI handles OCR, drafting, and triage so staff focus on residents. No new headcount required to scale.</p>
 <h3>Bilingual by Default</h3> <p>Natural-language search in English & Filipino. Voice announcements in Filipino at every counter.</p>	 <h3>Smarter Targeting</h3> <p>AI cross-references CBMS with CSWDO, PESO, UHIS — finds residents who need help, not just walk-ins.</p>	 <h3>Audit-Trailed AI</h3> <p>Every AI suggestion is logged. Humans approve every decision. RA 10173 (DPA) compliant by design.</p>

PER-SYSTEM AI — **Citizen App + DRRMO**: incident triage & bilingual chatbot · **CBMS**: Smart Search, OCR, duplicate check, AI narratives · **Quemoko**: wait-time prediction · **eBPLS**: document check & routing classifier · **CPDO**: CLUP zoning-conflict detection · **UHIS**: ICD-10 suggestion & symptom triage · **HRIS**: payroll & leave anomaly detection · **GIS**: flood-risk overlay generation · **CSWDO**: AICS prioritization · **Fleet**: document review & predictive maintenance · **PMS**: procurement review & slippage prediction · **PESO**: resumé parsing & jobseeker matching.

Twelve systems at a glance.

Three flagships and Quemoko are **pre-staged for Meycauayan and ready to deploy today**. Four more (CSWDO, PESO, Fleet, PMS) have their codebases published. The remaining four are in production at peer LGUs and configurable for Meycauayan during kick-off.

 <p>Citizen App + DRRMO</p> <p>FLAGSHIP PLATFORM</p> <p>Unified resident mobile app + DRRMO Emergency Operations Center on one database.</p> <p>READY · FLAGSHIP</p>	 <p>CBMS</p> <p>AI CITIZEN REGISTRY</p> <p>AI-powered RA 11315 citizen registry. ID issuance + Citizen Portal. Production at Pasig.</p> <p>READY · FLAGSHIP</p>	 <p>CPDO System</p> <p>PLANNING & ZONING</p> <p>CLUP registry, zoning, locational clearances, development permits. Tied to GIS & eBPLS.</p> <p>READY · FLAGSHIP</p>	 <p>Quemoko</p> <p>QUEUE MANAGEMENT</p> <p>Kiosks, Now-Serving displays, counter terminals, queue analytics. Paired with Citizen App.</p> <p>READY TODAY</p>
 <p>CSWDO</p> <p>SOCIAL WELFARE</p> <p>AICS, senior & PWD registries, solo parent, women-in-crisis case management.</p> <p>READY TODAY</p>	 <p>PESO</p> <p>EMPLOYMENT</p> <p>DOLE-aligned. Jobseeker registry, SPES & TUPAD, job fairs, training placements.</p> <p>READY TODAY</p>	 <p>Fleet Mgmt.</p> <p>VEHICLES · PROVEN PASIG</p> <p>Patrol, ambulance, fire, garbage. AI doc review, fuel logs, preventive maintenance.</p> <p>READY TODAY</p>	 <p>PMS Projects</p> <p>PROJECT MANAGEMENT</p> <p>CPDO + Engineering projects, planning to turnover. 20% DF / SK / GAD tagging.</p> <p>READY TODAY</p>
 <p>eBPLS</p> <p>BUSINESS PERMITS</p> <p>DICT-aligned BPLS. Apply, assess, pay, renew online. Built for industrial Meycauayan.</p> <p>PEER-LGU PRODUCTION</p>	 <p>HRIS</p> <p>HUMAN RESOURCES</p> <p>201 files, biometric attendance, payroll & remittances (SSS, PhilHealth, HDMF, BIR).</p> <p>PEER-LGU PRODUCTION</p>	 <p>GIS</p> <p>MAPPING & HAZARDS</p> <p>26-barangay boundaries, industrial estates, flood layers. Feeds DRRMO & CPDO.</p> <p>PEER-LGU PRODUCTION</p>	 <p>UHS</p> <p>CITY HEALTH INFO · CHO</p> <p>DOH-aligned EMR for City Health Office & BHS network. PhilHealth Konsulta-ready.</p> <p>PEER-LGU PRODUCTION</p>

FLAGSHIP · READY TODAY

Citizen App + DRRMO

One platform · Two sides. A resident's panic tap doesn't ring a landline — it opens a live incident card on the DRRMO dispatch board.

RESIDENTS

Free Android App

- One-tap emergency alert (DRRMO + 6 offices)
- Local business directory & orders
- Appointments & queue numbers
- 26-barangay news & advisories
- GPS location attached automatically

DRRMO EOC

Operations Console

- Live incident board with response timer
- Evacuation centers — capacity & family rosters
- Flood / fire / earthquake hazard overlays
- Asset registry: boats, ambulances, generators
- Post-event damage assessment

One database · One audit trail · One source of truth

FLAGSHIP · READY TODAY · AI-POWERED

CBMS — Community-Based Monitoring System

RA 11315-compliant citizen registry, supercharged with Azure OpenAI GPT-4o. Production-proven at the City of Pasig — the same codebase ships for Meycauayan.



Smart Search

Natural-language resident lookup powered by GPT-4o.



Document OCR

GPT-4o extracts data from uploaded IDs and forms.



Duplicate Check

AI detects record overlaps before they propagate.



Report Narrative

DILG-format reports written by AI, reviewed by staff.



ID + QR Cards

QR-coded PDF resident IDs via QuestPDF.



Voice Announce

Filipino-language TTS for queue and ID release.

CORE MODULES

Resident Management (full CRUD, SC/PWD/4Ps/Solo Parent classification) · Household Profiling (members, income, housing) · ID Issuance (QR-coded PDF cards, print queue) · Citizen Portal (residents check records, request IDs) · Document Library (categorization, AI OCR verification) · Reports (population, demographics, AI narratives) · Multi-role admin (SuperAdmin, CityAdmin, BarangayAdmin).

.NET 10 **Azure OpenAI GPT-4o** **SQL Server 2025** **SMS OTP** **Google TTS**

CPDO & Quemoko.

The remaining ready-today priorities — the planning backbone for the component city, and the queue management system for high-traffic offices.

CPDO SYSTEM · FLAGSHIP PLATFORM

City Planning & Development Office

The planning backbone of a component city — ready to use today. CLUP, zoning, locational clearances, and development permits in a single AI-assisted workflow tied to GIS and eBPLS.

- CLUP & zoning ordinance registry
- Locational clearance & development permits
- PDPFP / AIP / 20% DF tracking
- GIS-linked zone lookups
- AI flags CLUP zoning conflicts automatically



WIRED INTO GIS & EBPLS

QUEMOKO · READY TODAY

Queue Management

Digital queue management for high-traffic offices — BPLS counters, Mayor's office, City Treasurer, CHO, CSWDO. Pairs with the Citizen App so residents book a slot from home.

- Touch-screen kiosks for walk-in tickets
- Large "Now Serving" display screens
- Counter terminals for office staff
- Wait-time & queue analytics dashboard
- Mobile booking via Citizen App + SMS

MEYCAUAYAN CITY HALL · BPLS

Now Serving









B-0427

Counter 3 · Window B

Next B-0428 · B-0429 · B-0430

Other systems you might add later.

OmniStack maintains a catalog of 35+ production systems. Beyond the twelve in this proposal, these eight LGU-relevant platforms are particularly worth considering for the City of Meycauayan in a Phase 2 engagement.

 <p>eRPT REAL PROPERTY TAX</p> <p>Assessment, billing, collection, tax-mapping. Major LGU revenue driver — pairs with GIS.</p>	 <p>Building Permit ENGINEERING OFFICE</p> <p>End-to-end permit workflow — inspections, fees, engineering review. Pairs with CPDO & eBPLS.</p>	 <p>Treasury & Accounting PUBLIC FINANCE</p> <p>Appropriations, obligations, disbursements, COA-aligned reports. Integrated PFM suite.</p>	 <p>BAC Procurement BIDS & AWARDS</p> <p>PR/PO workflow, bidding, evaluation, PhilGEPS-ready exports. RA 9184-aligned.</p>
 <p>Barangay Mgmt. 26-BRGY OPERATIONS</p> <p>Residents, certificates (Brgy. Clearance, Indigency), blotter, projects, treasury — one per barangay.</p>	 <p>Document Mgmt. DMS · OCR SEARCH</p> <p>Centralized DMS, AI OCR search, versioning, audit trails. For every office in city hall.</p>	 <p>Water District MEYCAUAYAN WATER DIST.</p> <p>Consumer billing, meter reading routes, complaint tracking, online payment.</p>	 <p>AgriSys CITY AGRICULTURE OFFICE</p> <p>Farmer registry (RSBSA), input distribution, crop tracking, agricultural extension.</p>

Plus 19 more in the catalog — Hospital Management, ESM Ticketing, DepEd Multi-School, EduConnect, Warehouse Management, Inventory & Supply Chain, Property Management, and others. See the full list at omnistack.ph/products.html.

Already delivered. Already running.

Meycauayan is not a first attempt. Every system in this proposal is in production at a peer LGU today, or already configured and pre-staged for Meycauayan on the implementation server.

SAME PROVINCE · BULACAN

Municipality of Balagtas

In Production · Serbisyong may Malasakit

- ✓ Twelve integrated systems live and serving daily
- ✓ HR, BPLS, social welfare, environment, employment, agriculture, fire/emergency
- ✓ One citizen identity across every office
- ✓ Same province — Meycauayan staff can audit the live deployment

REFERENCE DEPLOYMENT

Municipality of Romblon

Completed · March 2026

- ✓ All eight governance systems delivered and signed off
- ✓ Configured end-to-end — name, map centering, barangay registry
- ✓ Local-language interface (*Munisipalidad ng Romblon*)
- ✓ Staff trained; turnover documents handed over

CBMS + FLEET · PASIG

City of Pasig

Two systems in production · same codebases for Meycauayan

- ✓ **CBMS** — AI registry, ID issuance, Citizen Portal
- ✓ **Fleet** — AI doc review, 2FA, PMS alerts
- ✓ Exact codebases that ship for Meycauayan
- ✓ Active reference — Meycauayan can audit anytime

WHAT MEYCAUAYAN GETS

From This Engagement

Built on proven implementations

- ✓ A proven rollout, not a first attempt
- ✓ Known-issue playbook handed over with the system
- ✓ Same-day rollback procedures if anything goes wrong
- ✓ Direct support from the original implementation team

From kick-off to go-live.

Eight systems are **publish-ready today** — their codebases are already built and staged. The remaining four are mirrored from peer-LGU production deployments and will be configured for Meycauayan during the kick-off sprint. No development wait.

<p>01 Kick-off</p> <p>Meeting with Mayor's office and department heads.</p>	<p>02 Setup</p> <p>Hosting plan and rollout schedule with City IT.</p>	<p>03 Sprint</p> <p>Configure 8 pre-staged systems & mirror 4 peer-LGU systems (2 weeks).</p>	<p>04 Review</p> <p>Per-system UAT and staging review.</p>	<p>05 Go-Live</p> <p>Production cutover with training and turnover docs.</p>
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Ready to bring Meycauayan fully online?

Twelve systems. Three flagships ready today. One implementation team that has done this before — and will be there the day after go-live.

CONTACT

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