



Planning and Mapping

176 Quarry, Off Bai Bureh Road,
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PaMGIS PROPERTY TAX ADMINISTRATION SOLUTION

Delivered by PaM (Planning and Mapping)

Expanding Municipal Revenue Through GIS-Enabled Property Tax Management

Overview

PaM (Planning and Mapping) delivers PaMGIS Property Tax Administration, a comprehensive GIS-enabled platform that helps governments identify, assess, manage, bill, and collect property taxes more efficiently.

The solution combines digital mapping, address registration, valuation management, billing, revenue tracking, analytics, and citizen engagement into a single integrated platform that improves tax compliance, increases internally generated revenue, and strengthens local government financial sustainability.

PaMGIS enables municipalities, city councils, revenue authorities, and ministries of finance to establish a transparent and accurate property tax system built upon verified geospatial data.

The Challenge

Many local governments face significant challenges in property tax administration:

- Incomplete property records
- Outdated valuation rolls
- Manual billing and collection processes
- Unregistered properties
- Revenue leakage
- Limited visibility into taxable assets
- Difficulty tracking payments and arrears
- Lack of accurate parcel mapping

These issues result in reduced revenue collection and limited resources for public services and infrastructure development.



The PaMGIS Solution

PaMGIS provides an end-to-end digital property tax administration platform that links property, property owners, valuations, billing, payments, and reporting through an integrated GIS environment.

Property Identification & Registration

- GIS-based property inventory
- Property and building registration
- Property owner database
- Unique property identifiers
- Property classification management

Digital Mapping & Tax Roll Development

- Property mapping
- Building footprint extraction
- Satellite imagery integration
- Automated tax roll creation

Property Valuation Management

- Location assessment
- Building fiducial assessment
- Property classification rules
- Valuation updates and adjustments
- Mass appraisal support

Billing & Revenue Management

- Automated bill generation
- Electronic billing and notices
- Payment tracking
- Revenue monitoring
- Arrears management

Payment Collection Integration

- Mobile money integration
- Bank payment integration
- Online payment portals
- Receipt generation
- Collection reconciliation



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Analytics & Reporting

- Revenue dashboards
 - Collection performance monitoring
 - Compliance analysis
 - Taxpayer statistics
 - Executive reporting
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Key Benefits

- ✓ Increase property tax revenue
 - ✓ Expand the tax base through property discovery
 - ✓ Improve taxpayer compliance
 - ✓ Reduce revenue leakage
 - ✓ Improve billing accuracy
 - ✓ Enhance transparency and accountability
 - ✓ Strengthen municipal financial sustainability
 - ✓ Support data-driven urban planning
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Core Platform Features

PaMGIS Tax Administration Portal

- Property Registry
- Tax Roll Management
- Billing & Collection
- Revenue Tracking
- GIS Dashboard
- Compliance Monitoring

PaMGIS Mobile Data Collection App

- Property Enumeration
- Building Surveys
- GPS Location Capture



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- Photo Documentation
- Offline Data Collection
- On-field distribution of demand notices and enforcement
- On-field payment collection

PaMGIS Spatial Intelligence Engine

- GIS Analysis
- Property Mapping
- Revenue Heat Maps
- Growth Monitoring
- Compliance Analytics

Enterprise Database

- PostgreSQL/PostGIS
 - Secure Cloud Infrastructure
 - Role-Based Access Controls
 - Audit Logging
 - API Integration Framework
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Property Tax Administration Workflow

1. Property Enumeration

Identify and map all taxable properties.

2. Property Registration

Create and verify property ownership records.

3. Valuation Assessment

Assign assessed property values.

4. Tax Roll Generation

Calculate tax liabilities automatically.

5. Billing & Notifications

Generate and distribute tax bills.



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6. Payment Collection

Receive and reconcile payments.

7. Compliance Monitoring

Track collections, arrears, and enforcement actions.

8. Reporting & Analytics

Generate revenue and performance reports.

Deployment Options

Government Cloud

Secure cloud-hosted deployment managed by PaM.

On-Premises

Installed within municipal or government data centers.

Hybrid Deployment

Combines local infrastructure with cloud scalability.

Ideal Users

- City Councils
 - Municipal Governments
 - Revenue Authorities
 - Ministries of Finance
 - Property Tax Departments
 - Urban Development Authorities
 - Metropolitan Assemblies
 - Local Government Authorities
 - Smart City Programs
 - Development Partners
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Why PaM?

PaM (Planning and Mapping) specializes in GIS, digital mapping, land administration, spatial analytics, and revenue enhancement solutions.

Using PaMGIS, governments can establish modern property tax systems that increase revenue, improve governance, strengthen fiscal sustainability, and support infrastructure investment and economic growth.

PaM (Planning and Mapping)

Transforming Property Data into Sustainable Revenue

PaMGIS Platform Features • Digital Mapping • Land Title Registration • Property Tax Administration • Emergency Response Management • Geospatial Analytics • Smart City Planning • Asset Management

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PaMGIS — Mapping Assets. Growing Revenue. Empowering Communities.