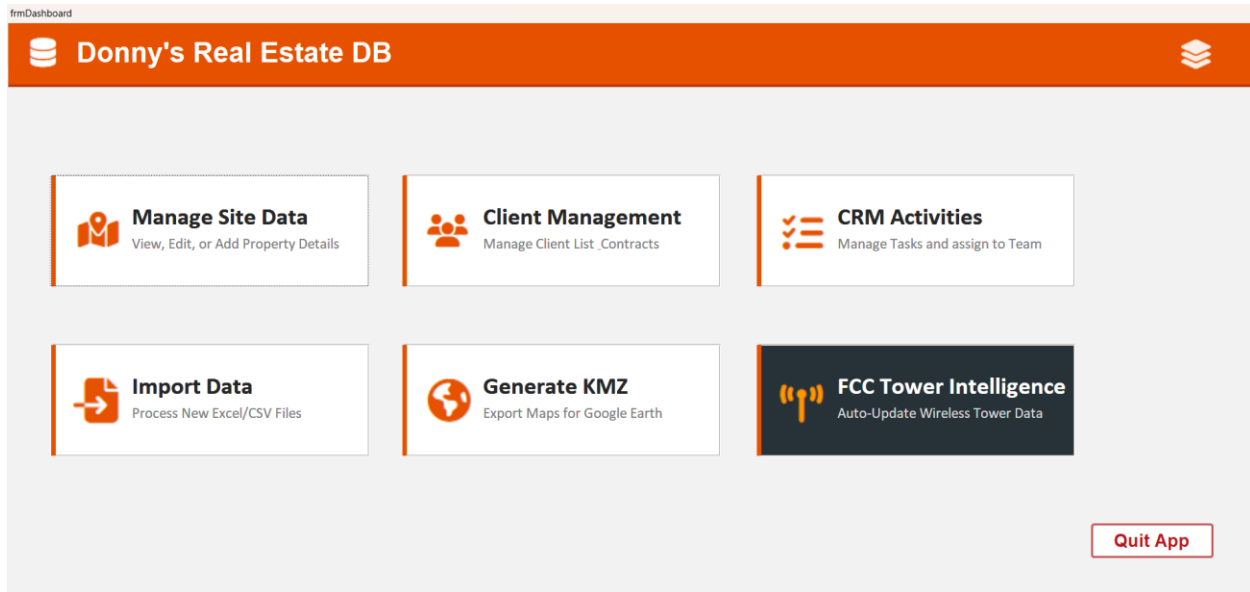


Commercial Real Estate & Telecom Site Intelligence System

Admyon Systems

Building Smarter Business Solutions



Project Overview

The Commercial Real Estate & Site Intelligence System is an advanced, enterprise-grade database designed for large-scale property developers, retail chains, and telecom infrastructure companies. It merges traditional lease and property management with powerful geospatial tools, allowing users to map client sites, export KML/KMZ files directly to Google Earth, and automatically analyze nearby FCC-licensed communication towers.

Business Problem

Managing hundreds of commercial properties ranging from retail flagship stores to industrial cold storage requires more than just a list of addresses. Corporate real estate teams and telecom prospectors struggle to visualize their portfolios geographically. Manually searching FCC databases for nearby cell towers or converting spreadsheet data into Google Earth maps is incredibly time-consuming, leading to missed leasing opportunities and delayed site acquisitions.

Our Solution

Admyon Systems engineered a highly specialized Geospatial CRM that bridges the gap between raw property data and visual mapping. The system captures precise latitude and longitude coordinates for every site. With built-in algorithms, it can instantly scan a defined radius (e.g., 1.0 Mile) around any property to pull active FCC Tower Intelligence. The proprietary KMZ generator allows executives to export thousands of color-coded property markers directly into Google Earth with a single click.

Key Features

- Geospatial Site Database (Latitude/Longitude Tracking)
- One-Click KMZ/KML Export for Google Earth Visualization
- FCC Tower Intelligence Engine (Radius Search, Call Signs, Expiry Dates)
- Commercial Client & Contract Management (Default KML Color Coding)
- Automated CRM Task Activities & Site Inspections
- Bulk Excel/CSV Import Processing

Technologies Used

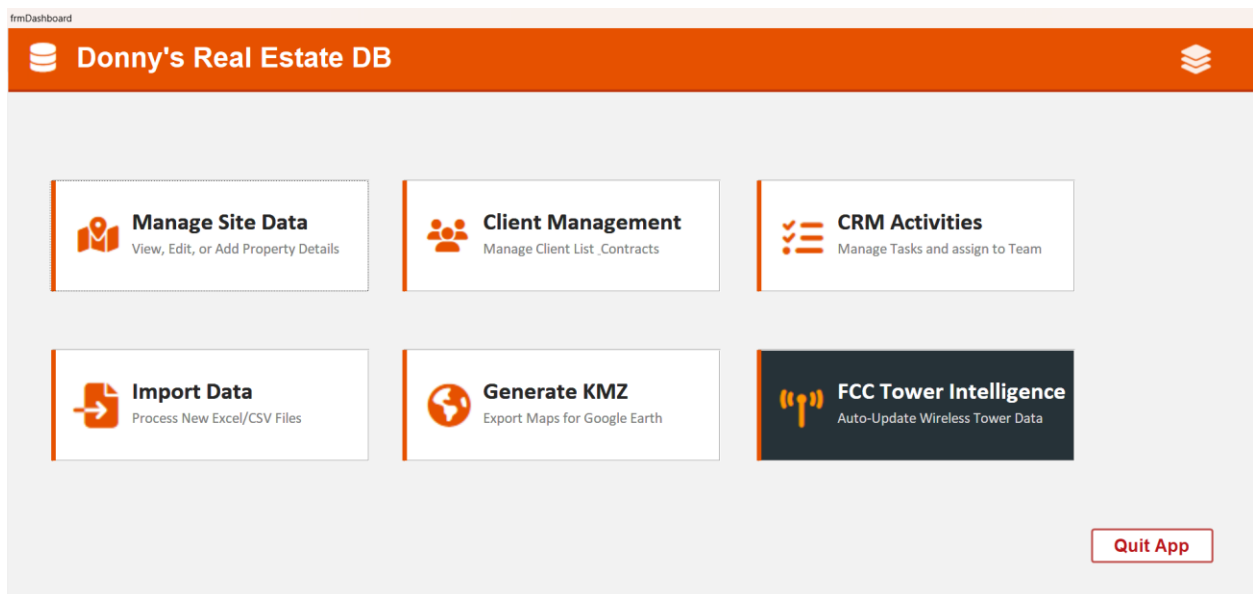
Technology	Used
Microsoft Access	
VBA (Visual Basic for Applications)	
SQL	

System Modules

- Main Intelligence Dashboard
- Manage Site Data (Geodata & Lease Info)
- Client Management (KML Assignments)
- CRM Activities & Task Dispatch
- FCC Tower Intelligence (Nearby Search)
- Data Import & KMZ Generation Engine

Screenshots

Intelligence Dashboard



A high-level navigation hub providing quick access to site databases, bulk data imports, Google Earth KMZ generation, and the advanced FCC Tower intelligence module.

Nearby Tower Intelligence

frmFCCListNearby

Nearby Tower Intelligence					
Searching Radius: 1.0 Mile around Site ID:					
Owner / Licensee	Distance (Miles)	Service	Call Sign	Expiry	Actions
TEST TOWER - VERIZON	0.0442	CF	WXYZ123	1/1/2030	
T-MOBILE LICENSE LLC	0.3716	CF	KNLH442	5/15/2032	

Export This List to KMZ

A highly advanced telecom module that runs a geographic radius search around a specific commercial site, pulling vital FCC data such as licensee names, exact mileage, call signs, and lease expiry dates.

Commercial Site Details

Site Details

Site Details

Show TowersSave RecordX Close

RECORD IDENTIFICATION

Site UID

Import Source ID

Client Name

Site Name

OTHER INFORMATION

Property Type

Ownership Status

Lease Expiration

Site Notes

LOCATION & GEODATA

Address Street

City

State

ZipCode

Latitude

Longitude

Sites Actions

Action Type	Action Date	Description	Assigned To	Status	Due Date

A comprehensive property profile capturing exact geographic coordinates (Latitude/Longitude), ownership status, lease expirations, and a direct link to query nearby telecommunication towers.

fmr_Sites

Manage Sites

Refresh

X Close

Search by Site UID, Client Name, Site Name or Ownership Status

Search

Clear

+ Add New Site

Site UID	Site Name	Client Name	Property Type	Ownership Status	Site Notes	Actions
KRO-00001	Kroger Store #552	Kroger	Retail	Third Party Managed	Flagship urban store with high foot traffic.	Edit Delete
KRO-00002	Kroger Distribution Center East	Kroger	Storage	Owned	Primary cold storage hub.	Edit Delete
BRI-01001	Bridgestone North Port	Bridgestone	Industrial	Owned	Manufacturing facility for truck tires.	Edit Delete
BRI-01002	Bridgestone Service Center West	Bridgestone	Retail	Leased	Highway-facing service center.	Edit Delete
DRT-10001	Donny Retail Flagship	Donny Retail	Mixed Use	Ground Lease	Retail plus residential units above.	Edit Delete
						Edit Delete

Manage Clients & KML Configuration

frmManageClients

Manage Clients

Client ID

1

Client Name

Kroger

Default KML Color

#FF0000

Main Contact Email

john.smith@kroger.com

Active Status

☒

Client Code

KRO

Main Contact Name

John Smith

Contract Date

1/15/2022

Add New

Save

Delete

Client ID	Active Status	Client Name	Client Code	Default KML Color	Main Contact Name	Main Contact Email	Contract Date
1	☒	Kroger	KRO	#FF0000	John Smith	john.smith@kroger.com	1/15/2022
2	☒	Bridgestone	BRI	#0000FF	Sarah Lee	sarah.lee@bridgestone.com	6/1/2021
3	☐	Donny Retail	DRT	#00AA00	Donny Green	donny.green@donnyretail.com	9/30/2020
⌕ (New)	☒						

A CRM interface that goes beyond standard contact info by assigning custom HEX color codes (e.g., #FF0000 for Kroger) to clients, ensuring their specific properties are color-coordinated when exported to Google Earth.

Site Activities & Task Management

frmManageActivities

Manage Activities							<button>Refresh</button> <button>X Close</button>
Search by Site ID, Activity Date, Assigned To or Status							<button>Search</button> <button>Clear</button> <button>+ Add New Activity</button>
Site ID	Activity Date	Due Date	Assigned To	Status	Description	Actions	
1	11/20/2025	12/15/2025	Ahmed Khan	In Progress	Spoke with store manager about upcoming lease renewal.	 	
3	11/30/2025	12/10/2025	Ali Raza	Pending	Update coordinates and polygon for plant boundary.	 	
5	11/10/2025	11/12/2025	Ahmed Khan	Completed	Strategy meeting for repositioning flagship store.	 	
2	10/5/2025	10/10/2025	Sara Malik	Completed	Review ownership documents for distribution center.	 	
4	9/18/2025	9/25/2025	Bilal Hussain	Completed	Parking lot lighting inspection.	 	

An operational workflow tracker ensuring that specific site actions such as lease renewal discussions, lighting inspections, or boundary coordinate updates are assigned and completed on time.

Business Benefits

- ✓ Revolutionized portfolio visualization by enabling instant Google Earth KMZ map exports
- ✓ Unlocked new revenue streams for property owners by identifying telecom leasing opportunities via FCC Tower data
- ✓ Streamlined site acquisitions by maintaining exact geographic coordinates and property statuses
- ✓ Improved team accountability through structured CRM task assignments linked to specific properties
- ✓ Eliminated manual data entry with robust Excel/CSV import processors

Project Highlights

- Google Earth (KMZ) Integration
- FCC Database Interoperability
- Geospatial Radius Algorithms
- Commercial Lease Tracking
- Custom Color-Coded Mapping

Future Enhancements

Future versions of this system may include:

- Live API integration with the FCC database for real-time tower license updates
- Direct Google Maps API integration to display interactive maps directly within the application forms
- Automated email alerts sent to managers 90 days before a commercial property or tower lease expires
- Document attachment capabilities for storing digital blueprints, land surveys, and signed lease agreements

Project Summary

The Commercial Real Estate & Telecom Site Intelligence System is a testament to Admyon Systems' ability to build enterprise software that thinks geographically. By combining robust lease management with advanced KMZ mapping and telecom intelligence, the platform equips corporate real estate teams with unparalleled analytical power to maximize the value of their property portfolios.