

Digitally transforming property asset management across Egypt

Ministry of Communications and Information Technology | Egypt



Industry

- Government & Public Sector

Solution

- Octave Alto Enterprise

Challenges

- Fragmented asset records for 1.3M+ state-owned properties
- Limited visibility and oversight
- Preserving, managing, maximizing ROI

Results

- Secure, nationwide digital database
- Improved asset optimization
- 15% increase in fair property rental income

Egypt is situated in the northeastern part of Africa. Its lush Nile River valley and delta served as the cradle for one of the major civilizations of the ancient Middle East and home to one of the world's earliest urban and literate societies. The storied country is renowned for its historical significance in the fields of mathematics and engineering – strengths that continue today.

In 1999, the Egyptian government established the **Ministry of Communications and Information Technology (MCIT)** to develop the national information and communications technology (ICT) sector. One of the MCIT's goals was the large-scale digital transformation of its massive state property asset portfolio, which it accomplished with Octave partner EDGE-Pro using Octave Alto Enterprise (formerly M.App Enterprise) technology. The result was the State Assets Management System.

Need for central government system for more than 1.3 mil nationally owned property assets

The Egyptian government is responsible for more than 1.3 million state property assets,

ranging from modern administrative buildings to the iconic pyramids, all of which are considered national resources to be protected and used effectively. As part of an initiative to preserve, manage and maximize return on investment of Egypt's property assets, the MCIT, with the Administrative Control Authority and relevant state property asset authorities, was tasked with developing a digital database to manage them – an initiative that aligns with the government's goal of digitally transforming state institutions.

In a previous phase of this initiative, the Administrative Control Authority created a database for state assets and properties, comprising approximately 1,030,737 entries collected from 192 jurisdictions. However, the government found it lacked the insights needed to optimize resources and revenues from each property at a national level. Accurate and reliable geospatial identification data was missing for a significant number of property assets. And each government agency involved maintained its own data, with differing methods – some automated and some not. This resulted in many of these assets not being used to their full potential, and it was necessary to review both leasing returns and associated usufruct contracts.

Alto Enterprise empowers regional institutions to upload property data to new system

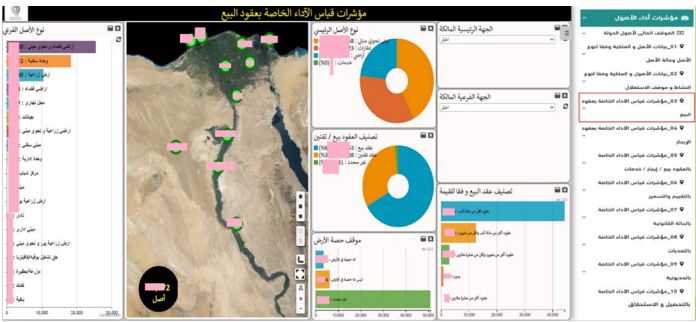
To source the right solution, the government enlisted the support of Cairo-based EDGE-Pro, a longtime Octave partner with over 30 years of experience delivering large-scale digital transformation projects. The technology needed to accurately identify and verify geospatial data of state-owned property assets on maps and facilitate the creation of a comprehensive database of property asset information.

EDGE-Pro built the new centralized system using Octave's Alto Enterprise. The team demonstrated how this comprehensive toolset for developing enterprise geospatial solutions would provide the smart monitoring needed to evaluate and act on real-time information and in turn maximize the productivity and profitability of every property asset.

Working together, EDGE-Pro and the MCIT deployed the new central system, with secure access given to every governmental institution to provide the necessary information. Using a mobile app, the regional institutions took advantage of GIS technology and geographically located each property and recorded spatial data from the sites. For the first time, the government has instant centralized access to information relating to each property asset nationally, including documents, photos, files, maps and more. It can also access data relating to disputes, legal cases, contracts, debts and revenue collection plans.

Government achieves 15% increase in fair property rental income

The MCIT now has a centralized database of comprehensive audited data that it interacts with via intuitive dashboards and



The application's dashboards serve as comprehensive analytical tools that enable performance tracking, trend identification and data-driven decision-making.

reports, to manage all its assets at a national level. It has enabled the Egyptian government to identify underutilized and undervalued property assets and make informed decisions to optimize their usage and the revenues they return, as well as decide on which property assets to retain. This is further simplified by the automation of a process that evaluates and determines the fair market value of each property asset, based on its nature, geographical location and investment profile. The new approach has increased government rental returns by at least 15%, demonstrating a strong and early return on investment for the new system.

"MCIT anticipates continued improvements in property asset management, increased revenues from optimized asset use and further simplification of procedures. Thanks to the geospatial information provided by the EDGE-Pro and Octave system, we have not only increased returns, but we are also further realizing our digital transformation goals."

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About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency, and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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