

Introduction

As digital transformation continues to accelerate across industries, organizations require software platforms that are faster, more secure, easier to maintain, and capable of supporting future business growth. While **AutoTrack ADMS** has successfully served as a reliable solution for many years, it was developed using **Microsoft .NET Framework 4.8**, a technology platform that has reached its maturity and is no longer the focus of future innovation by Microsoft.

The new **AGen ADMS** has been completely redesigned using the latest **Microsoft .NET (formerly .NET Core)** platform, providing modern architecture that delivers significant improvements in performance, security, scalability, and maintainability.

By upgrading to AGen ADMS, organizations can take advantage of the latest Microsoft technologies, ensuring continued compatibility with modern operating systems, databases, cloud services, and cybersecurity requirements.

Beyond technology modernization, AGen ADMS offers a future-ready foundation that enables faster feature enhancements, improved system responsiveness, better integration capabilities, and reduced long-term support risks. This ensures that your investment remains sustainable while providing a platform capable of adapting to evolving operational and business requirements.

The migration from AutoTrack ADMS to AGen ADMS is not merely a software upgrade; it is a strategic investment that positions your organization for greater operational efficiency, enhanced security, and long-term digital growth.

Key Benefits of Upgrading to AGen ADMS

1. Future-Proof Technology Platform

- Built on the latest Microsoft .NET cum android platform.
- Designed to support future Microsoft innovations and updates.
- Reduced risk of technology obsolescence.

2. Enhanced Performance

- Faster application execution and response times.
- Improved processing efficiency for large datasets and transactions.
- Better utilization of modern hardware resources.

3. Improved Security

- Supports the latest security frameworks and encryption standards.
- Enhanced protection against emerging cybersecurity threats.
- Easier compliance with corporate IT security policies.

4. Better Scalability

- Capable of supporting increasing user loads and business expansion.
- Ready for on-premises, cloud, or hybrid deployment environments.

5. Easier Integration

- Improved API architecture for integration with ERP, MES, WMS, RFID, IoT, and third-party systems.
- Greater flexibility in exchanging real-time operational data.

6. Lower Long-Term Maintenance Cost

- Modern architecture simplifies future enhancements and maintenance.
- Faster deployment of new features and bug fixes.
- Reduced dependency on legacy technologies.

7. Improved User Experience

- More responsive and intuitive user interface.
- Better support for modern browsers, devices, and operating systems.
- Enhanced usability and productivity for end users.

Additional Functionality added to AGen ADMS

1. Support daily auto email alert.

AGen ADMS come with build in daily email alert function, AGen ADMS will send out daily notification report to device administrator so that the device administrator can have an update for data collection, posting and device online-offline activity.

Date	Day	Attendance	Online	Posted	Total Staff	Status	Remark
17/07/2026 11:59:46 AM	Friday	973	18/18	970/973	468	Need Attention	Data posting fail
16/07/2026 11:59:59 PM	Thursday	2895	18/18	2895/2895	468	Success	No
15/07/2026 11:59:58 PM	Wednesday	2703	18/18	2703/2703	467	Success	No
14/07/2026 11:59:59 PM	Tuesday	2655	18/18	2655/2655	464	Success	No
13/07/2026 11:59:59 PM	Monday	2526	18/18	2526/2526	459	Success	No
12/07/2026 11:59:59 PM	Sunday	13	18/18	13/13	459	Success	No
11/07/2026 11:59:59 PM	Saturday	25	18/18	25/25	459	Success	No



1. Supporting auto data integration

Lastet AGen ADMS come with strong backend data integration support functionality, with build in ftp, sftp, WebAPI, textfile, excel file transfer, it now fulfil most of the time attendance, payroll and ERP requirement.

2. Support ID card printing

AGen is an innovative software platform that simplifies ID card creation and printing. It offers fast card design, personalized data integration, photo management, and instant printing capabilities. By connecting direct to the ADMS information. Whether for employees, visitors, students, or members, AGen delivers a seamless and reliable solution for producing professional ID cards with ease.



3. Support online business card using QRCode and NFC reading.

AGen Online Business Card powered by **QR Code** and **NFC (Near Field Communication)** technology provides a modern, contactless way to share professional information instantly. Instead of printing traditional paper cards, users can create a digital profile containing their name, company, designation, contact details, website, social media links, and other relevant information. By simply scanning a QR Code with a smartphone camera or tapping an NFC-enabled card or device, recipients can access and save the information directly to their contacts. This solution enhances networking efficiency, reduces printing costs, supports sustainability initiatives, and ensures that contact information is always up to date. Online Business Cards offer a smart, convenient, and professional way for individuals and organizations to connect, engage, and build lasting business relationships in the digital era.



4. Support CCTV face recognition

With **AGen ADMS**, you can seamlessly manage Face Recognition Devices and AI Face Recognition CCTV cameras from a single platform. Staff information is automatically distributed across all connected devices, simplifying system administration while enhancing security.

Beyond access control, AI-powered Face Recognition CCTV provides actionable insights into staff movement, allowing organizations to monitor visit frequency, dwell time, and movement patterns within key areas. These insights can support productivity analysis, compliance monitoring, and HR performance assessments.

Ideal deployment areas include:

- Server room access corridors
- Executive and confidential office zones
- Routes to washrooms and smoking areas
- Parking access points
- Other strategic internal locations



5. Support mobile device user registration

AGen with built-in **mobile device user registration capabilities**, now enables users to quickly and securely register and access the system using their preferred device. Whether working from a **smartphone, tablet, or personal computer (PC)**, users can enjoy a seamless and consistent

experience across all platforms. The responsive design ensures optimal usability on different screen sizes, allowing employees, customers, or partners to stay connected anytime and anywhere.



6. Support upgrade with visitor management software



Elevate your front desk experience with AGen plug in Visitor Management Software. Designed for modern workplaces, this next-generation solution transforms outdated paper logs into a seamless, secure, and digital check-in

process.

AGen latest upgrade introduces advanced features like real-time IC and passport scanning, instant watchlist screening, and automated emergency evacuation protocols.

Beyond robust security, it prioritizes the visitor experience with pre-registration, customizable digital badges, and instant host notifications.

Whether for corporate campus, school, or healthcare facility, our intuitive platform ensures strict compliance, protects sensitive data, and eliminates administrative bottlenecks. Step into a smarter, safer, and more welcoming environment. Discover the perfect blend of enterprise-grade security and effortless hospitality with AGen plug in visitor management system.

7. Role and user management

Role and User Management is a fundamental component of AGen system that controls how users access information and perform tasks. It ensures that the right individuals have the appropriate permissions based on their responsibilities within an organization. Through role-based access control, administrators can assign predefined roles to users, simplifying permission management and enhancing security. Effective user management also includes creating, updating, and deactivating user accounts, maintaining accurate user information, and monitoring access activities. By implementing a structured Role and User Management framework, organizations can improve operational efficiency, protect sensitive data, ensure compliance with security policies, and reduce the risk of unauthorized access while providing users with the resources they need to perform their roles effectively.



8. Remote device control

Remote Device Control enables organizations to centrally manage and operate physical security and facility devices through the ADMS platform. It allows authorized users to remotely control doors, turnstiles, and lighting systems from a single interface, improving operational efficiency and response times. With real-time monitoring and control capabilities, administrators can grant or restrict access, manage visitor flow, and adjust facility lighting without being physically present on-site.

Summary

Upgrading from **AutoTrack ADMS** to **AGen ADMS** enables your organization to transition from a legacy application platform to a modern, enterprise-ready solution that delivers higher performance, stronger security, improved scalability, and a future-proof technology foundation. This ensures that your asset and data management operations remain efficient, reliable, and ready to meet the challenges of tomorrow.