



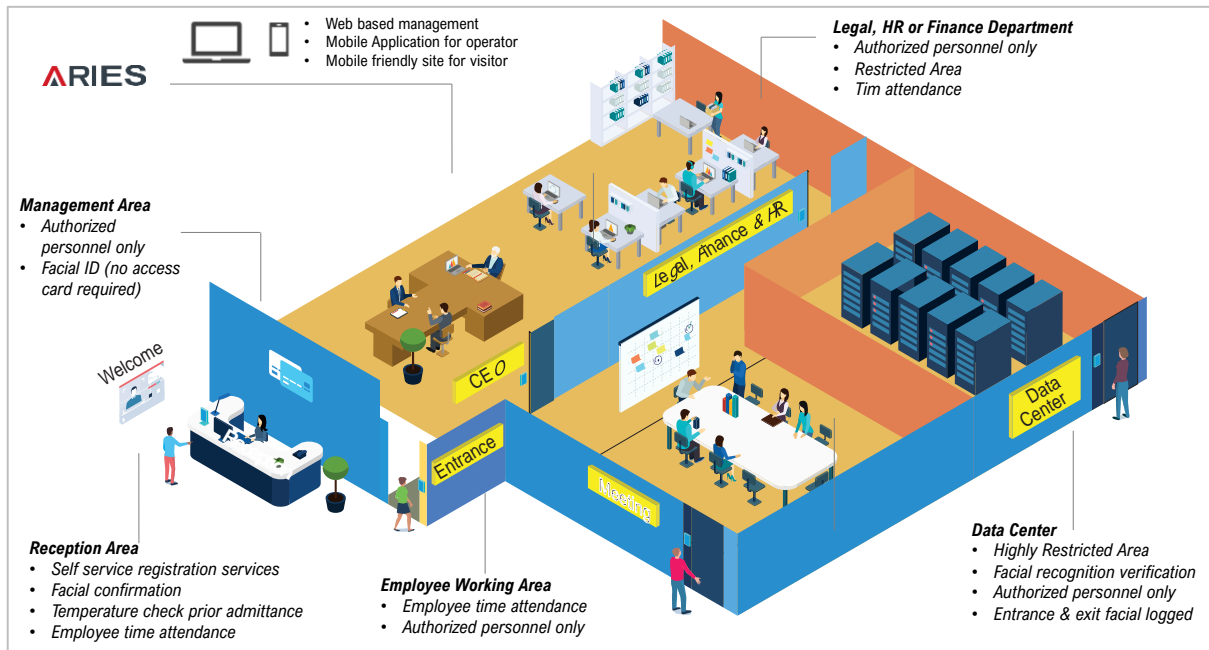
TARCH SYSTEMS SDN BHD

Building Smart Infrastructure

Digitizing Corporate Building Reception and Admittance Services

ARIES

Introduction



Corporate building management is under transformation to deliver secured and better reception service and experiences to visitor and tenant. Building reception or front desk area is the first impression to all visitors and potential customers, hence it is important for building management continue to maintain the professionalism, hospitality and ensuring general security admission.

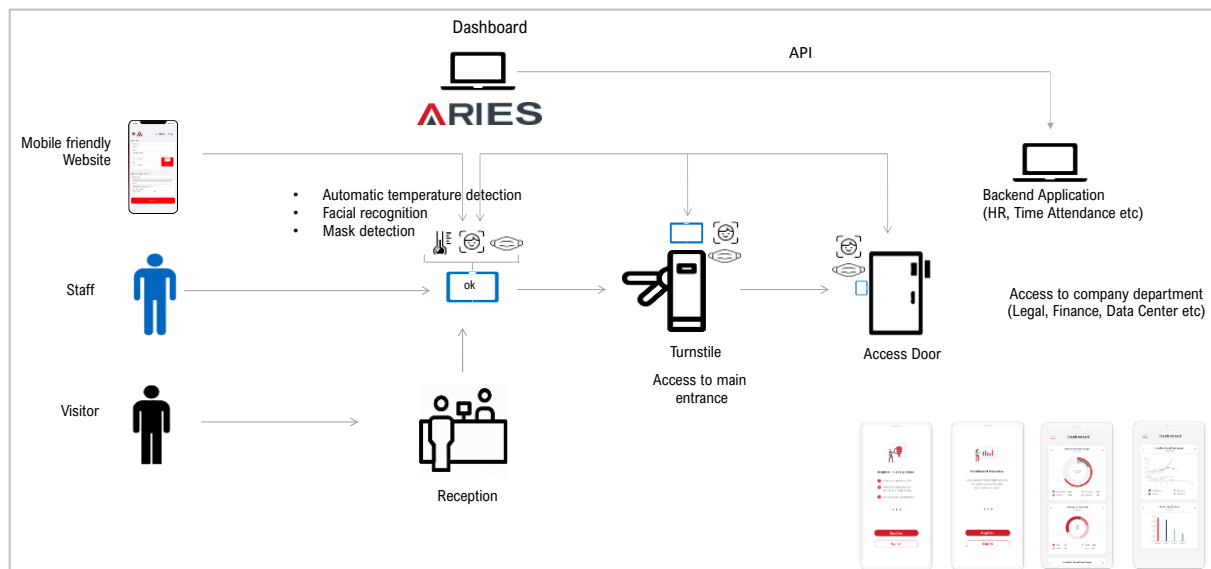
Many cooperate buildings still do not have proper visitor and tenant management system. Visitors are required to queue at front desk filling up the registration form manually. During peak period, this will create long queue and visitors are required to wait for long time. In a worse case, anyone can pretend to be a visitor, to slip into the building for malicious purposes. Traditional visitor management system coupled with security access card mechanism has many challenges too; security access card can be tempered, theft and misplace, which impose high security risk to building management.

ARIES is a new visitor management system; an innovative approach to transform corporate building reception and admittance services. ARIES offer as cloud service, enabling fast, secured and contactless onboard experience to visitors and tenants. Coupled with advanced facial recognition technology in a compact-form tablet size device, ARIES secure corporate building from unregistered/un-approved visitor from entering building premise. The tablet device also supports body temperature measurement and mask detection within 1.2m range, which make it an ideal solution for corporate building to adhere to new SOP and safety guideline.

Using mobile friendly site, first-time visitors can pre-register into ARIES, schedule appointment with the tenant before the actual visit. Once the appointment is approved by tenant, the appointment will be recorded in ARIES, hence during the visiting day, visitor no longer need to register or fill up any form again. This eliminate paper registration entirely, hence encourage paperless practice and reduce the waiting/queuing time. To handle large group of visitors or special guest, front desk personnel can use ARIES mobile app to assist visitor registration, built-in OCR capability can speed up acquiring information from visitor ID card.



ARIES - Using human face as ID, it eliminates the limitation of traditional security access card (card theft, tempered, misplaced), facial recognition also significantly increases the admittance security and deliver seamless experiences; as each visitor, staff and tenant's "face" is unique and they only need to show their "face" instead of carry a access card. Basically, facial recognition technology help corporate building realizes one simple approach – "if you are not the authorized personnel, you are not allowed to enter". Every year corporate building reported countless issue related to loss of access card, misplaced and access card theft. The unproductive and logistic cost that relate to managing security access card system is significantly high and wasting company resources.



ARIES support multi-tenancy and flexible role-based administration; this allow corporate building owner and building management body to manage large pool of building reception and admittance services. ARIES can be offered to individual tenant office to admit their own visitor, perform staff attendance and securing their own premise. With ARIES real-time dashboard, building management have visibility on visitor, tenant and staff's statistic at every entrance and exit, floor, office unit, building computing facility and security control room. With the comprehensive statistic, ARIES provide powerful insight on building traffic flow, entrance and exit pattern, special guest's appearance, first time vs regular visits, floor visited and more. This enable building management body or facility management to establish a proactive plan to maintain the building such as maintaining health and safety standards under the new SOP and other compliances, forecast facility upcoming needs and requirements, ability and automatically detect personnel with high body temperature, faster response and track unauthorized personnel, emergency planning and more.

Values:

- Secured and contactless onboard experiences for staff and visitor
- Accelerate visitor reception and staff admittance to building
- Provide better insight for maintain building service

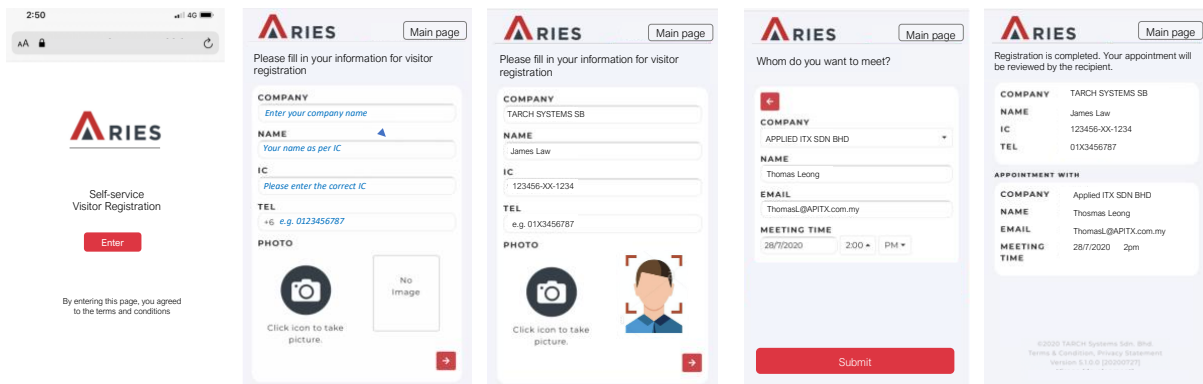


Features

ARIES is built on top of a robust architectural model based on domain-driven layer design with best practices in mind. ARIES is designed with strong validation and authorization between modules are strongly weaved underneath the application layer. Dynamic RestApi with secure SSL connection is the only communication between UI + Mobile with the Application Layer. Audit logging is also implemented on all communication between modules and UI + Mobile communications.

Visitor Self-Service Registration

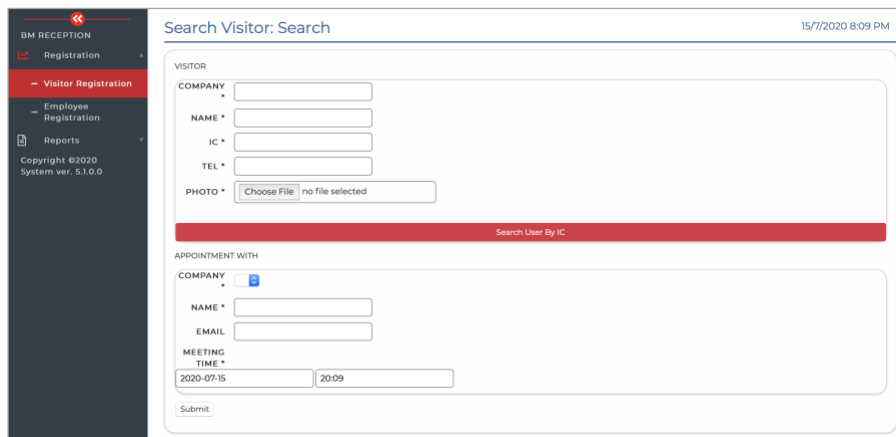
With no required of the mobile app, ARIES allow the visitor to pre-register themselves over the mobile-friendly side. Visitor record will be created in ARIES platform; an email notification will be sent to the intended recipient for approval. Once the visitor shows up on the front desk or where the facial recognition device is mounted, the registration process will be completed.



Mobile friendly site for Pre-registration

Mobile or Web assisted Registration

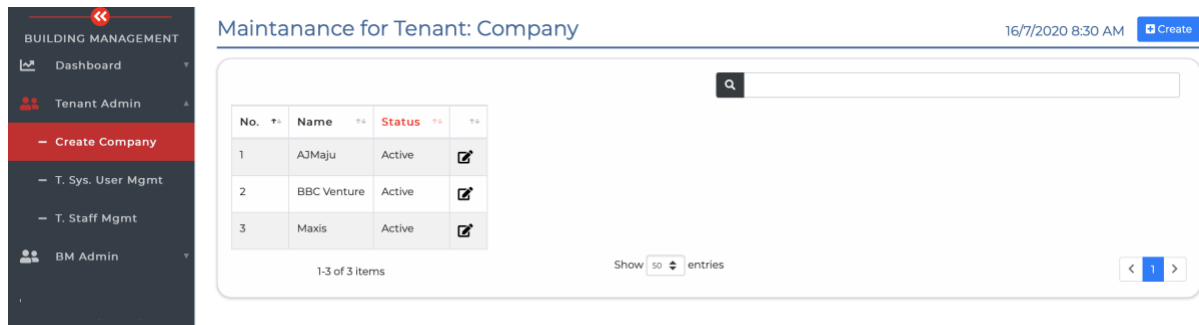
ARIES also support onboarding visitor through web-based interface and mobile app. ARIES mobile app equip with OCR capability, it used by front-desk personnel to quickly and accurately acquiring visitor information such as name and identify card number. The front desk receptionist can view the summary of visiting statistic, search a particular visitor by entering the name, contact and IC number.



Tenant Management

This module is designed for building management body or join management body (JMB) to manage and provision tenants within the corporate building. ARIES support multi-tenancy management with multiple building, JMB can create new tenant companies, bulk-onboarding of tenant staffs, administrate tenant entrance and exit of building. It also includes approval workflow for tenant to request, change, terminate of their staff. In the case where the supported FR device is mounted on the building turnstile or entrance with FR access control, JMB can eliminate the conventional security access card system by using ARIES to centralized provision the access control policy.

Provision new tenant in building



The screenshot shows a web interface for "Maintenance for Tenant: Company". On the left is a dark sidebar with navigation options: Dashboard, Tenant Admin (selected), Create Company (highlighted in red), T. Sys. User Mgmt, T. Staff Mgmt, and BM Admin. The main content area has a header with the date "16/7/2020 8:30 AM" and a "Create" button. Below the header is a search bar and a table with 3 columns: No., Name, and Status. The table contains three rows of data. At the bottom of the table area, it says "1-3 of 3 items" and "Show 50 entries".

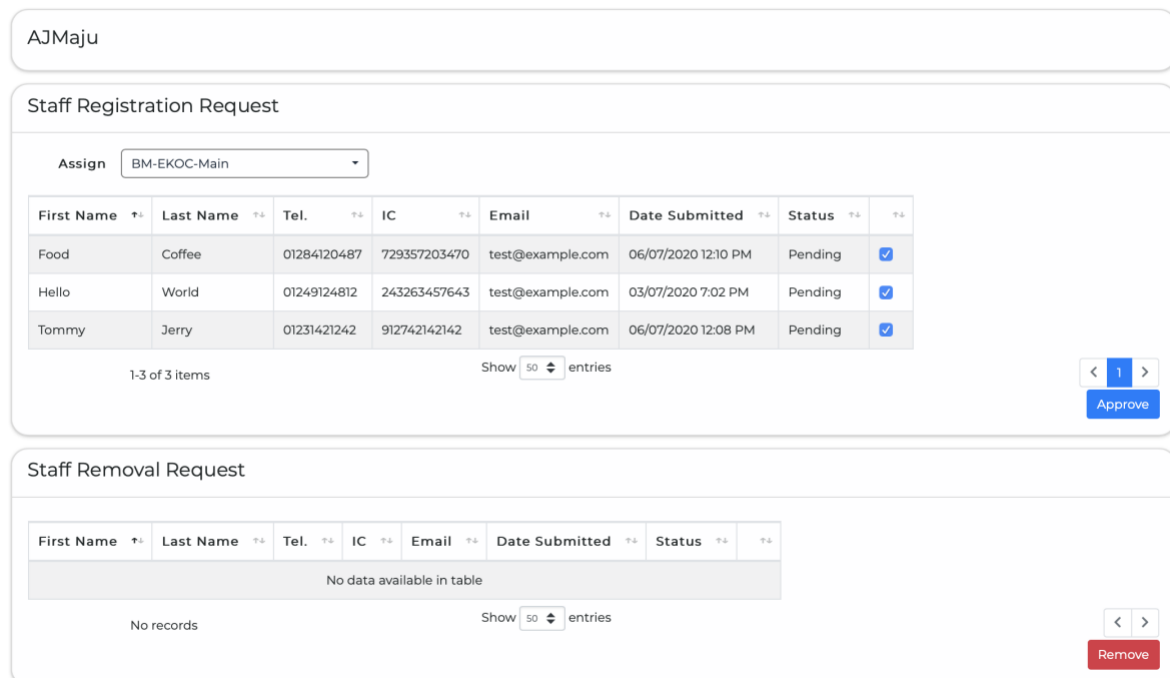
No.	Name	Status
1	AJMaju	Active
2	BBC Venture	Active
3	Maxis	Active

Tenant request approval

Tenant Staff Management: Staff Management

16/7/2020 8:28 AM

Staff List Back



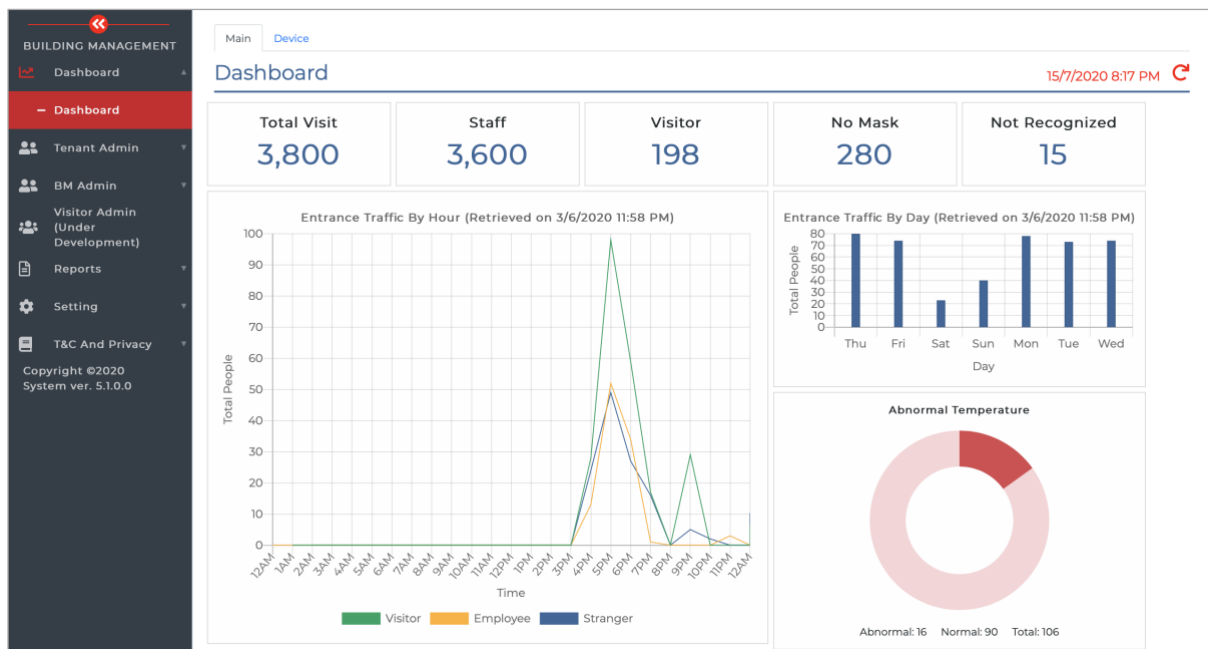
The screenshot shows a web interface for "Tenant Staff Management: Staff Management". At the top, there is a search bar containing "AJMaju". Below it is a section titled "Staff Registration Request" with an "Assign" dropdown menu set to "BM-EKOC-Main". Underneath is a table with 8 columns: First Name, Last Name, Tel., IC, Email, Date Submitted, Status, and a checkbox. The table contains three rows of data. At the bottom of the table area, it says "1-3 of 3 items" and "Show 50 entries". There is a navigation bar with a "1" button and an "Approve" button. Below this is a section titled "Staff Removal Request" with a table that has the same 8 columns as the registration table. The table is empty, with the text "No data available in table" displayed. At the bottom of the table area, it says "No records" and "Show 50 entries". There is a navigation bar with a "1" button and a "Remove" button.

First Name	Last Name	Tel.	IC	Email	Date Submitted	Status	
Food	Coffee	01284120487	729357203470	test@example.com	06/07/2020 12:10 PM	Pending	<input checked="" type="checkbox"/>
Hello	World	01249124812	243263457643	test@example.com	03/07/2020 7:02 PM	Pending	<input checked="" type="checkbox"/>
Tommy	Jerry	01231421242	912742142142	test@example.com	06/07/2020 12:08 PM	Pending	<input checked="" type="checkbox"/>

Tenant submit and register the list of staff name to building management through the easy to use web interface. Building management administrator can approve tenant request thorough the same interface.



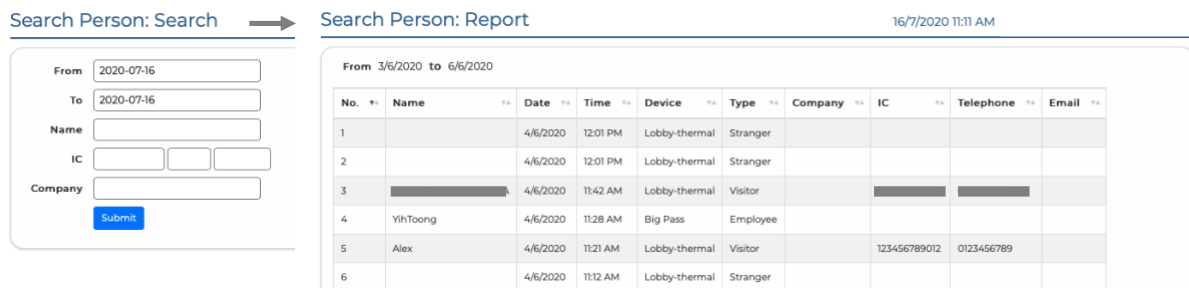
Dashboard for Building Management



ARIES dashboard highlights the daily statistic of visitor and tenants through the day, week and months. It allows building management to have a glance of what happening in the past, so it helps them to do a better forecast of traffic for the near future. ARIES also able to displays the exceptional cases such as visitors that do not wear the mask, non-registered visitors or tenants, odd hours visiting and more.

The data retained in the ARIES cloud platform is up to 3 months, building management can extract the data or generate the report for long term review. In term of reporting, currently, there are four categories: People search, Hourly Traffic Report, Daily Total Visitor Report and Abnormal report. Diagram below illustrate people search report.

People Search Report



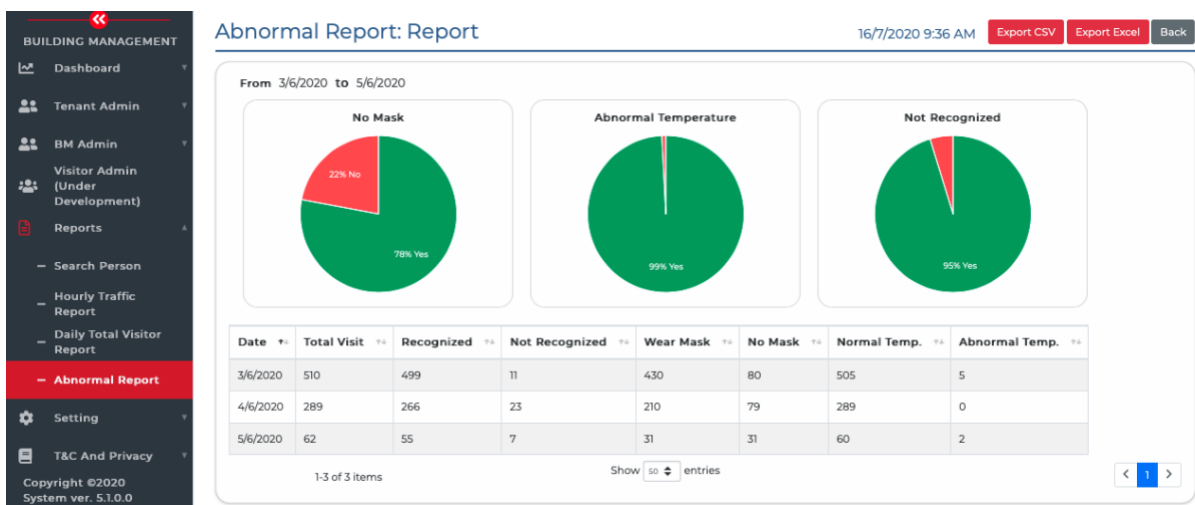
Daily total visiting report



Daily total visiting report shows total people enter the building based on the selected date (range). This report highlights and segregate visitor, tenant (or staff) and stranger.

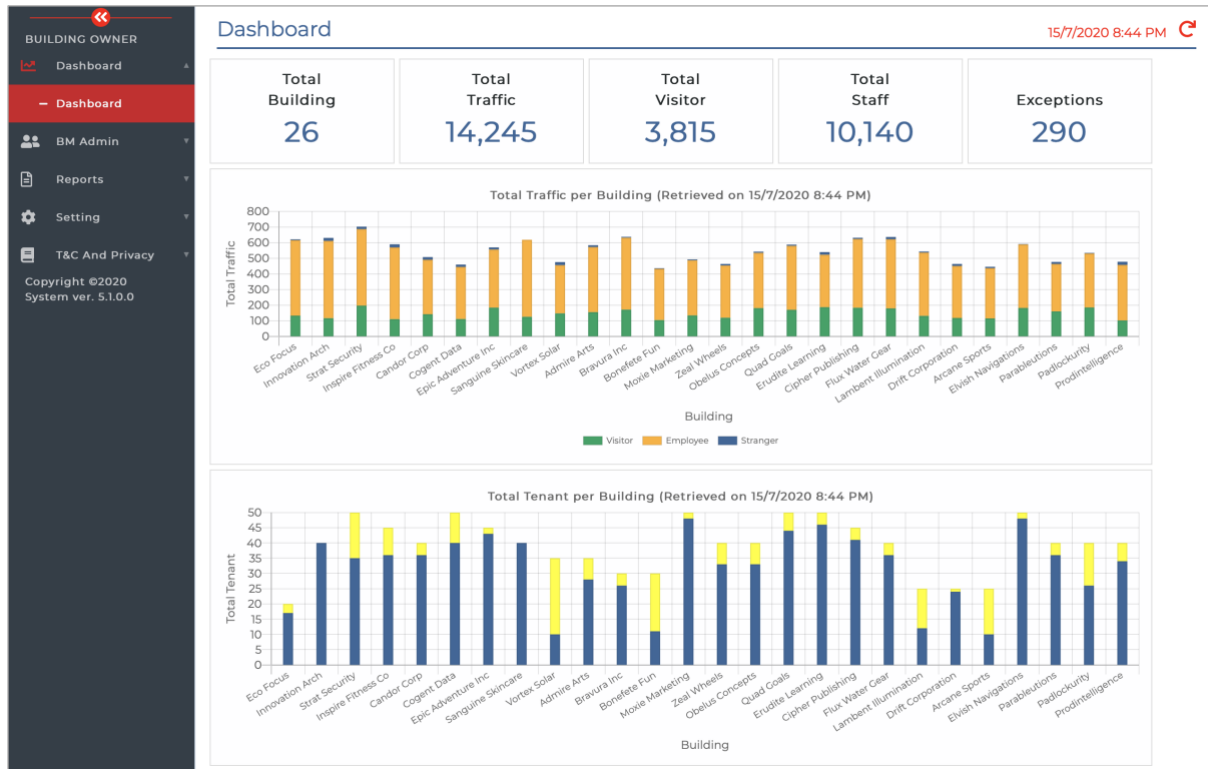
Diagram below illustrates an exception report - For building that enforces strict standard operation procedure (SOP) in order to maintain social distancing, temperature and mask detection, ARIES can provide essential detail to help JMB to visualize the situation; hence it helps to upkeep the health and safety standard.

Exception Report



Building Owner

For an organization that own multiple buildings across geographical location, ARIES provides the overall statistic of every building, this allows the organization to visualize the performance context of respective building such as tenant occupancy rate, new tenancy occupancy, tenant organization size, total visiting statistic, visiting hours and more.



ARIES provides better insight for building owner to correlate the data from respective building collected through ARIES, develop a market strategy to drive the property occupancy and leasing sales. Buildings with high visiting ratio have great values as it attracts people; hence these properties can continue to sustain and fetch good leasing income.



Summary of ARIES Features


- Support multiple building access under the same JMB
- Staff onboarding on Ground floor by batch or individual
- Staff onboarding on individual devices by batch or individual
- Guest onboarding via self-service or reception
- Easy staff access via FR
- Visitor access is controlled via FR
- Admin easy control the group access by individual devices
- Interactive between Staff and Visitor, to strengthen the security
- Integrated Company FR within the Aries
- List and search the visitor under same JMB
- List and search of the staff under the same JMB
- List of staff access of the device
- List of visitor access of the devices
- Abnormal case of Visitor
- Dashboard for Manager
- Cloud-based
- Support FR device* (*Current support FR is based on SenseTime SenseThunder, SenseLink, SensePass and SensePass Pro*)


LET'S GET STARTED

Contact our TARCH sales representative to know more about ARIES, you can also schedule a demo of ARIES. Discover how ARIES's capability can help you manage your operation better.

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