



MekLockTM

Control your sites at the click of a button



MACAM
v1.0.0.0

- Home
- Devices
- Workers
- Sites
- Documentations
- App
- Locks
- Keys
- Reports
- Groups
- Regions
- Global Settings

Open sites

Search: Show entries

SiteName	Name	Device	Disa

AppEvents

Search: Show entries

Time	Level	Device	Name	SiteName

SiteEvents

Search: Show entries

SiteName	Name	Device

09:02

v4.2.5
Build: 139

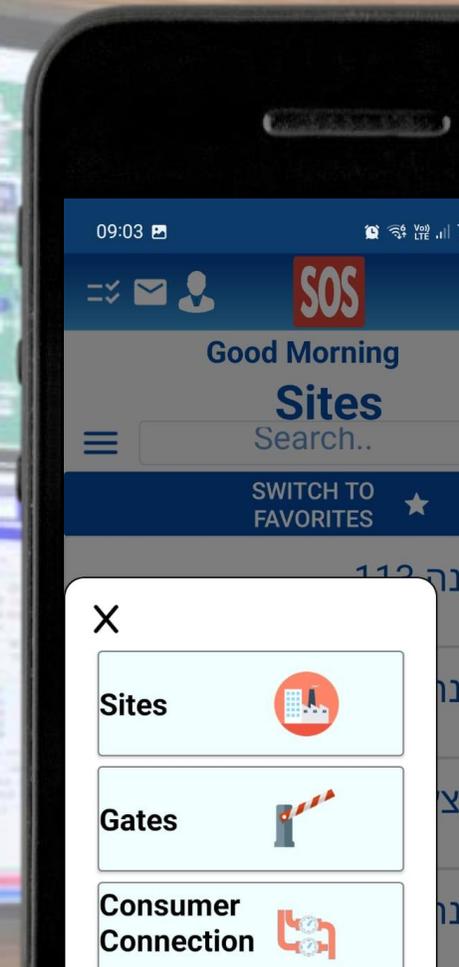
[RESET](#)

Login

The Pains and the Challenges

Companies that operate multiple work sites spread out across various remote locations and conduct diverse activities around the clock, such as Mekorot, face several challenges and problems:

- A control room receives requests for site access, such as arming facilities, automated entry permits, authorizations for officials, and lock controls.
- Monitoring worker and contractor entry and exit (with proper documentation) could be more effective.
- The system has a limited ability to issue and revoke authorizations quickly.
- Many and high operational costs.
- The lack of a prompt resolution in the case of an emergency.
- The directions provided to the various facilities are defective or erroneous, resulting in a waste of time.

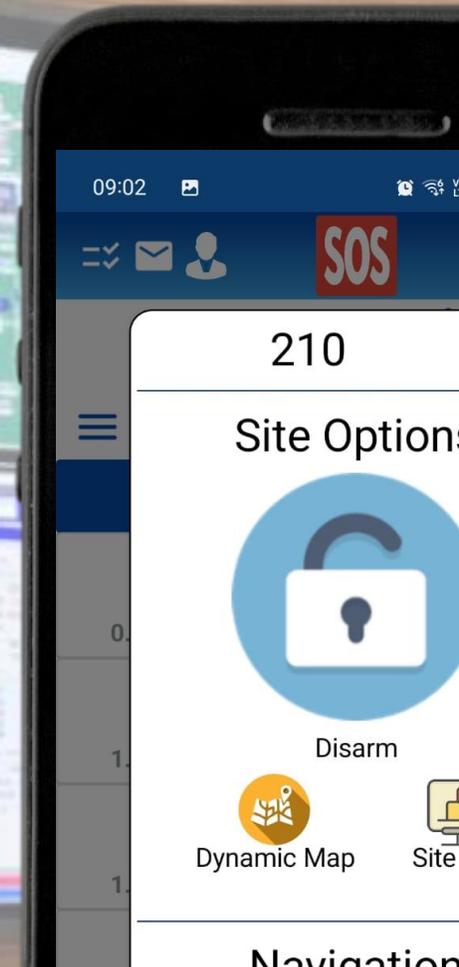


The Proposed Solution

The **Meklock** system was developed to streamline work processes in the field and prioritize user-friendly operations.

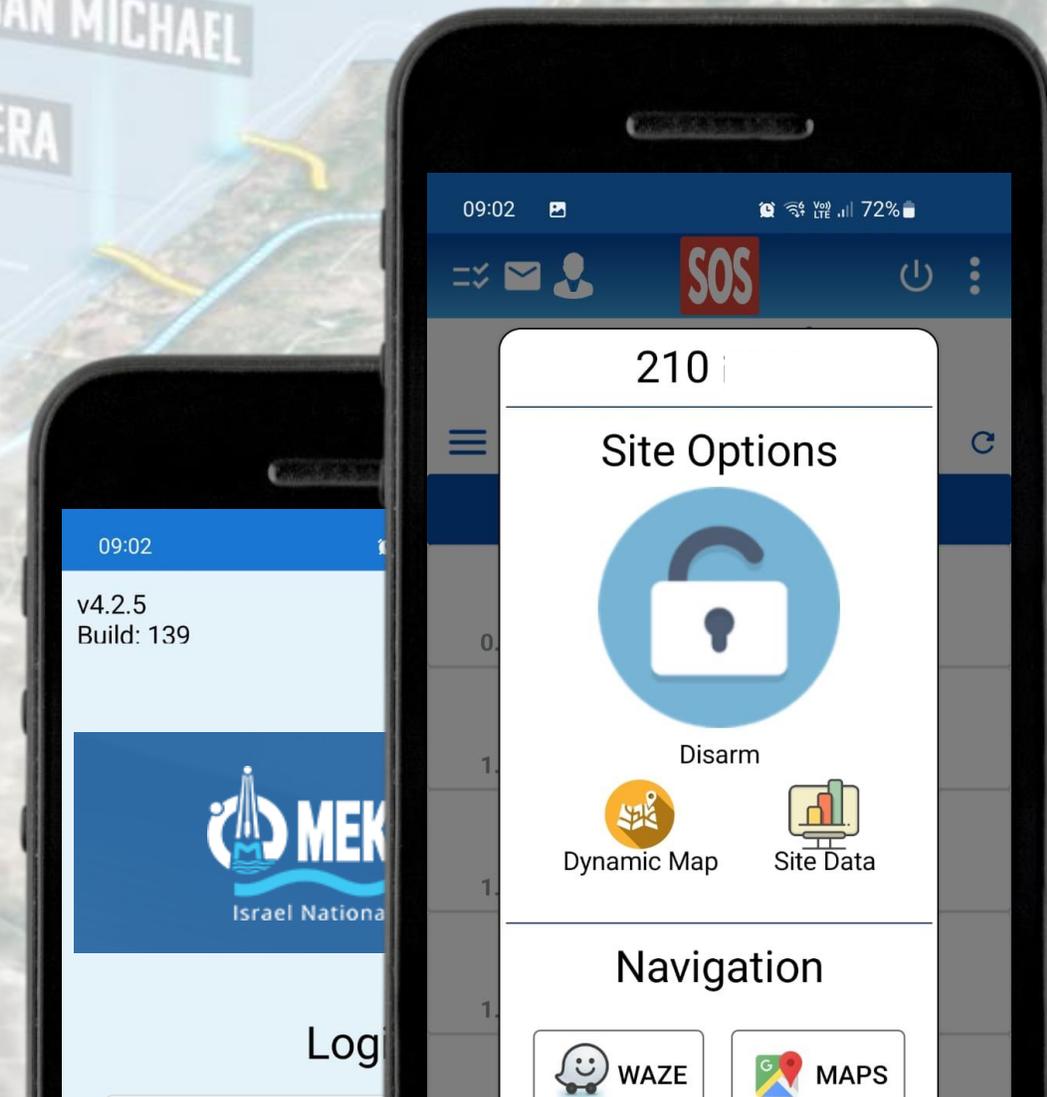
The System's Characteristics:

- Access control to remote sites.
- Neutralizes and arms facilities without the need to turn to a control room.
- Closely monitors contractors' entrances at various facilities.
- Automatic locking and unlocking of locks.
- Immediate issuance/revocation of authorizations (regarding remote entry, neutralization, arming, and locks.)
- Reduces control room workload.
- Significant cost savings.
- Data presentations as required (reports, maps, status and the like.)
- Panic button (SOS).



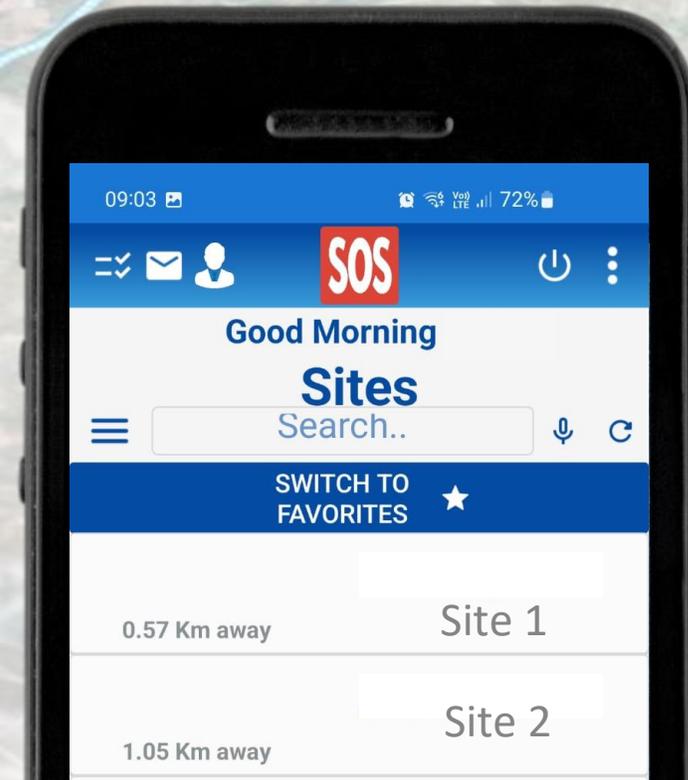
Log In

- Upon entering the system, it is necessary to type in a unique 6-digit code that the system's administrator issues.
- Upon entering the system, a list of authorized facilities is generated, ordered by proximity.
- A panic button (SOS) appears on all the system's screens. Clicking the button will send the user's location and telephone number to the relevant security officers and closest control room.



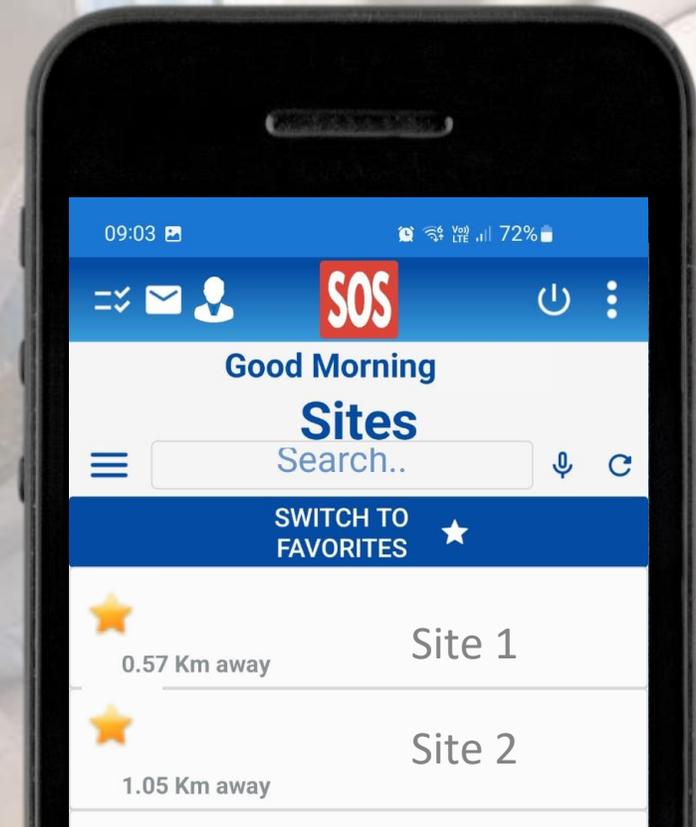
Navigating to a Facility

- A facility can be searched in the search line or by pressing the microphone icon and calling its name.
- Navigate to a facility by dragging its name (right to activate Waze, left for Google Maps).
- Select the name of the facility and then click on Waze.



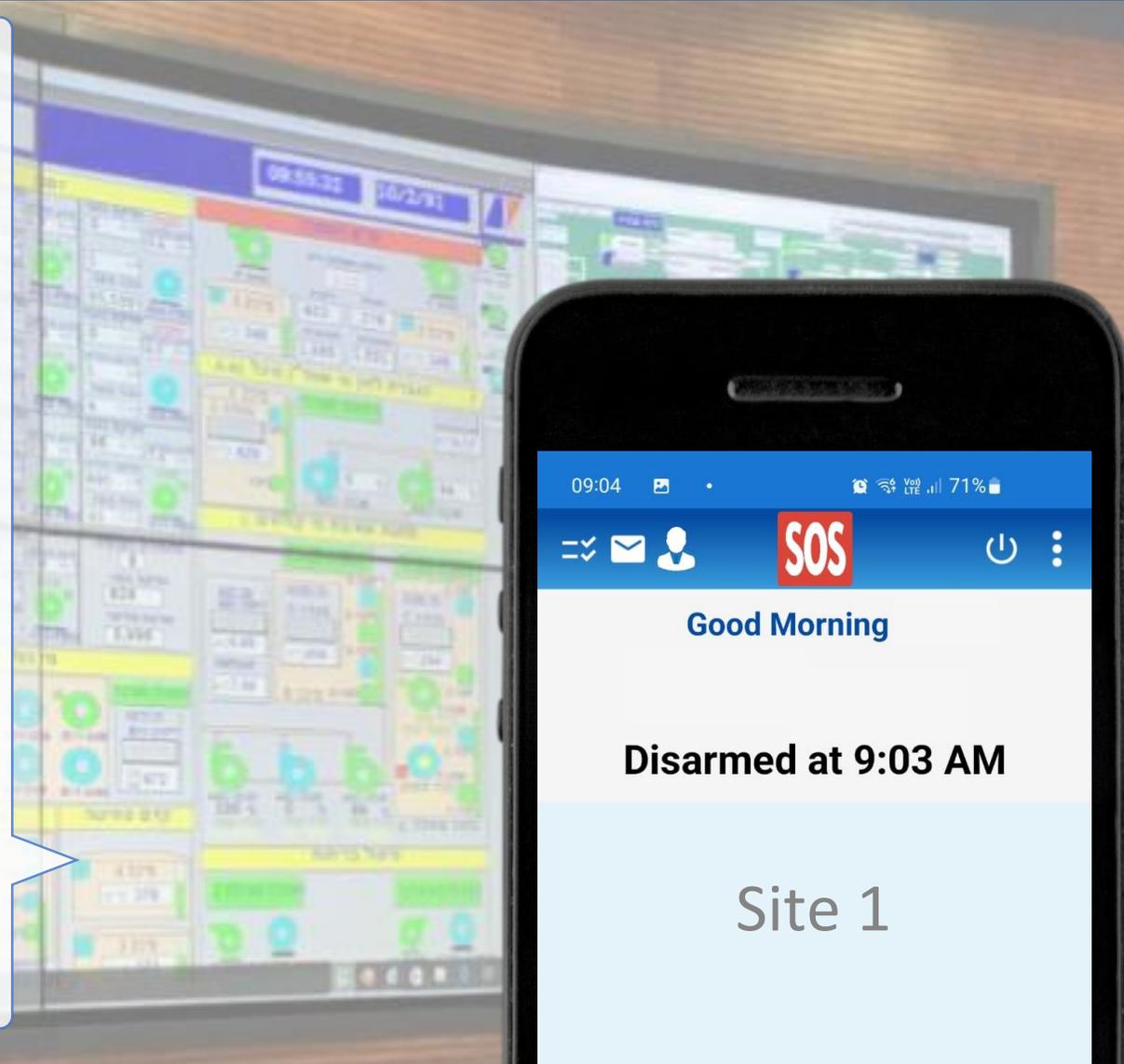
Add a Facility to Favorites

- There is an option to designate facilities that will compose a list of favorites.
- A lengthy click on the facility's name will place a next to it and transfer the name to the list of favorites.
- Upon entering the system, a list of facilities from the favorites will be displayed.
- Moving to a list of all the facilities is obtained by clicking on "Go to all sites."



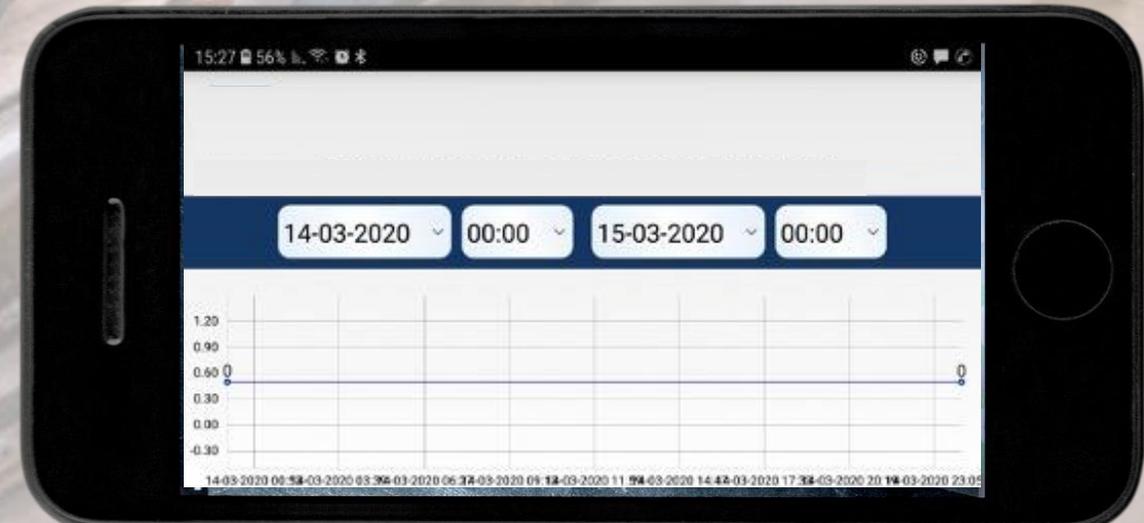
Arming and Neutralization

- Upon choosing a facility, a site page generates the options outlined for the employee.
- Neutralization, documents, facility data, and the like are among the options displayed according to the employee's authorization.
- By clicking on neutralize, the system will send a neutralization order to the protection system and record the employee's name in the SCADA system in the relevant control room.
- Employees may remain in the facility, which makes it possible to obtain a list of facilities and enter an additional facility.
- At the end of the work in the facility, it is necessary to arm the facility's system.
- If the employee leaves the facility without arming the system, an alert to the employee will be issued.



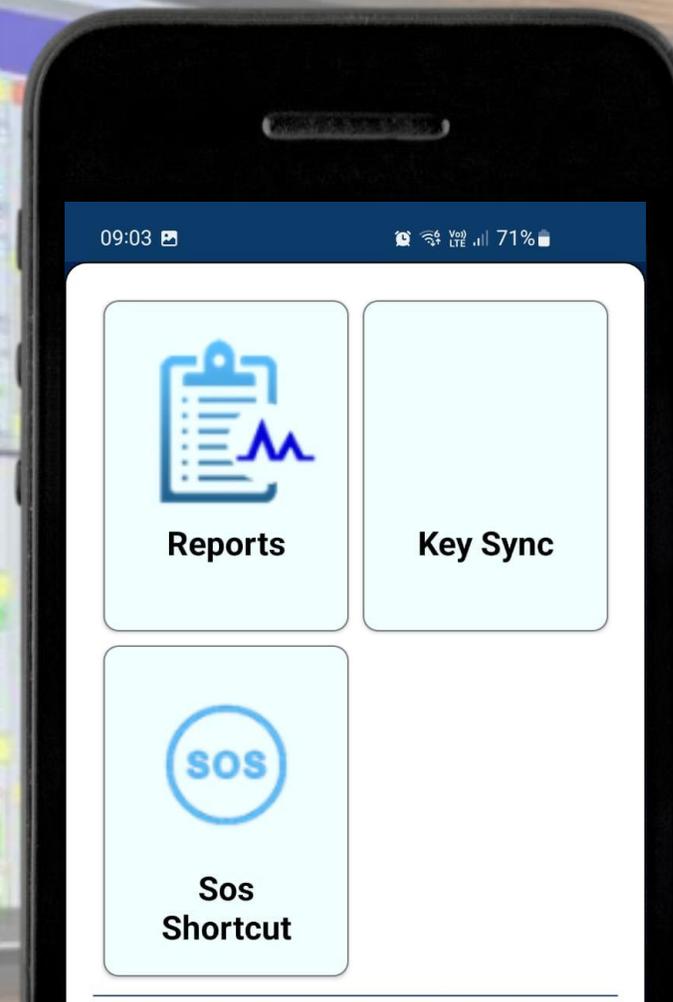
Hydraulic Map

- Select a facility and click on the dynamic map icon. The system will display a map of the facility as it appears in the control room at the time of the request.
- This map is dynamic and a click on the screen (in data zones) will allow for the display of a graph regarding specific data.
- Touching the facility's name on the screen will bring up certain data about it, such as flow rate, pressures, work status, and the like.



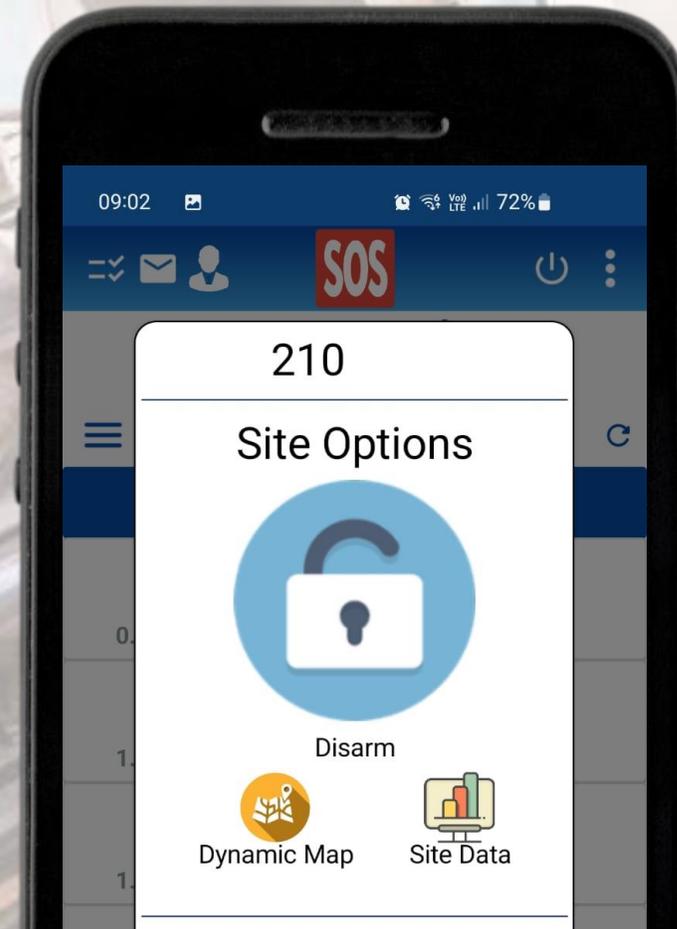
Facility Data

- It is possible to arrive directly at a facility's data by selecting a facility and clicking on the site data icon, which generates data concerning the facility pertinent to the time of the request.
- A lengthy click on each one of the given data will generate the selection of a graph for specific periods, e.g., from yesterday / from the beginning of the work / one week / two weeks.



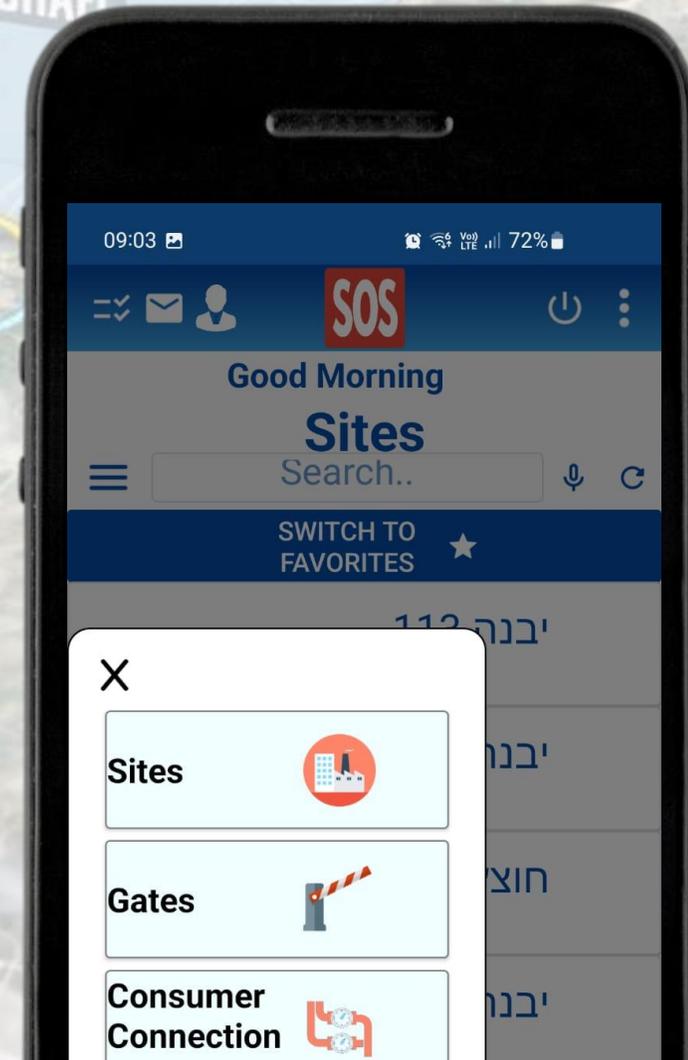
Gates

- In the move to gates, a list is generated of all the electric gates for which the employee is authorized to access ordered by proximity.
- Upon selecting a gate and clicking on the 'open gate' icon, a command to open will be sent, provided the employee is no further than 200 meters from the gate.



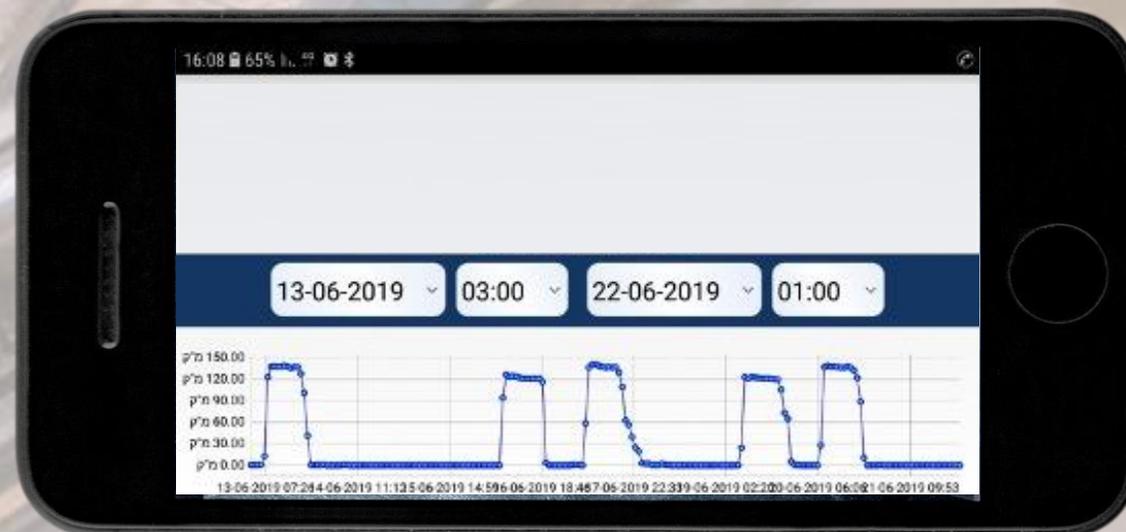
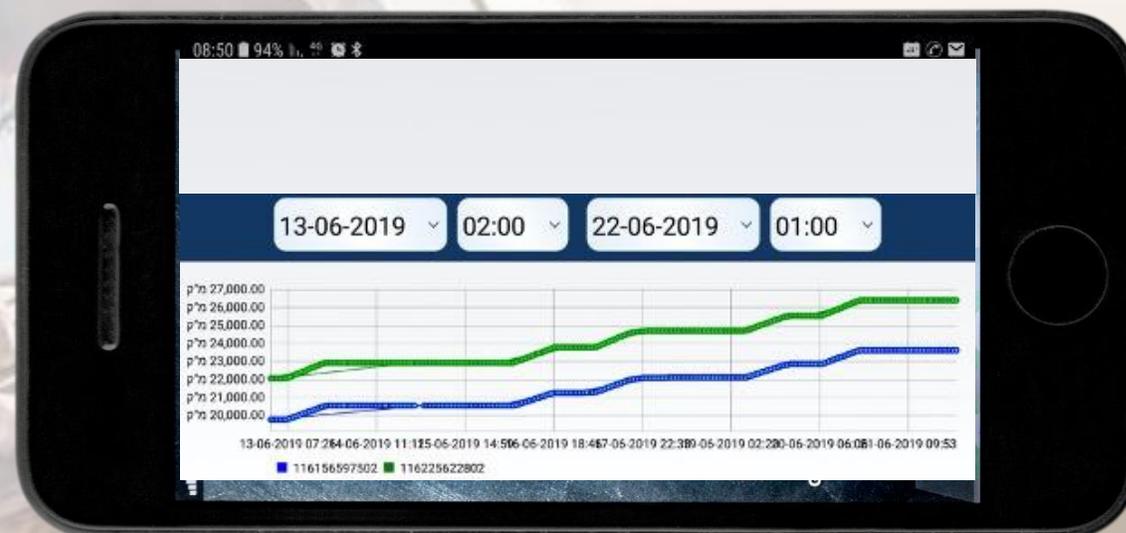
Consumer Connections

- When moving to consumer connections, a list is generated containing all the consumer connections authorized to the employee. Choosing a consumer connection allows navigation to it and issues an Mcm inquiry (i.e., receipt of data into the employee's WhatsApp).
- Clicking on a water meter will generate water meter registration numbers. Selecting them and afterwards on a consumption/readings chart will display the meter's back data for a period of up to 10 days.
- It is possible to select two parallel water meters.



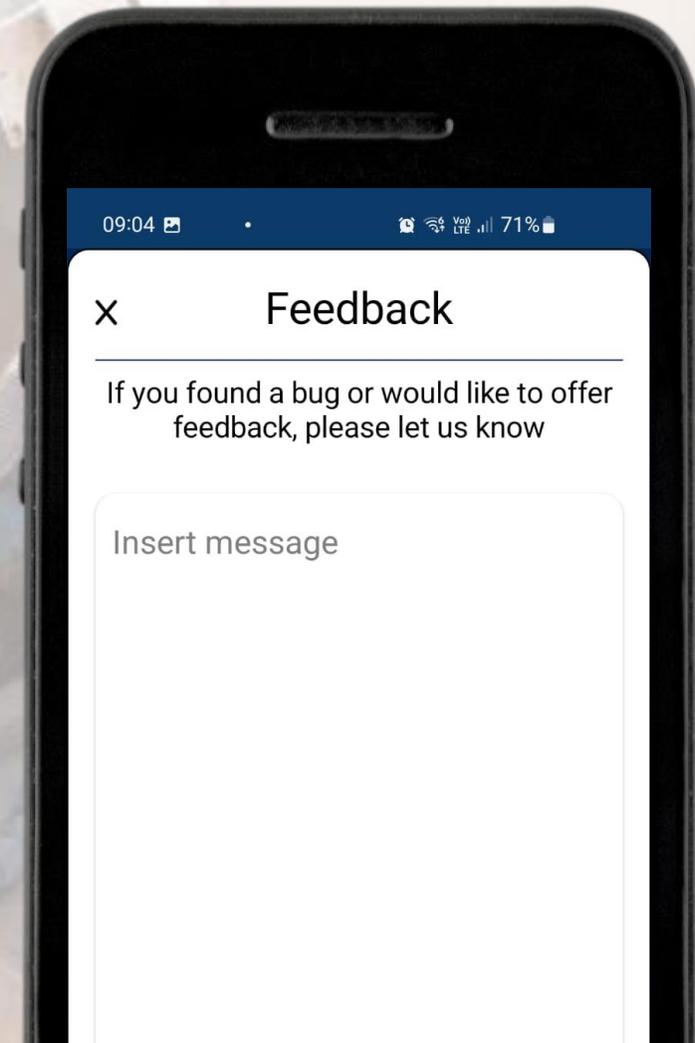
Graphs and Data

- A sample meter readings chart
- A sample consumption graph



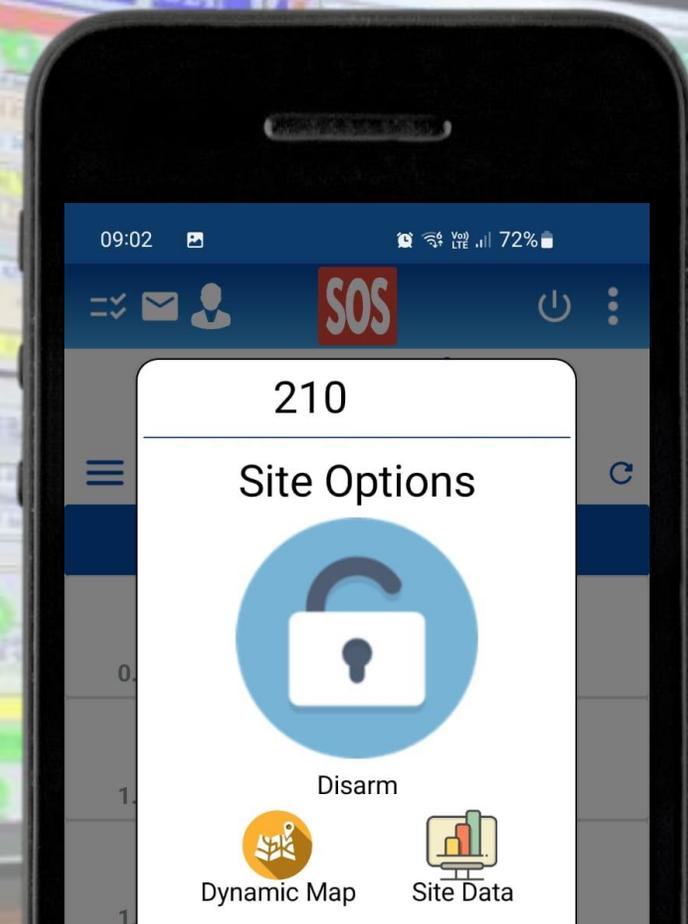
Messages and Contact Us

- A message button on the upper left side of the screen indicates receipt of lateral messages from the system's administrator. As soon as a message is received, this icon will begin to flash.
- This button allows the employee in the field to send updates to the system's administrator, such as a facility's location update or an update concerning a missing facility.



Open Facilities

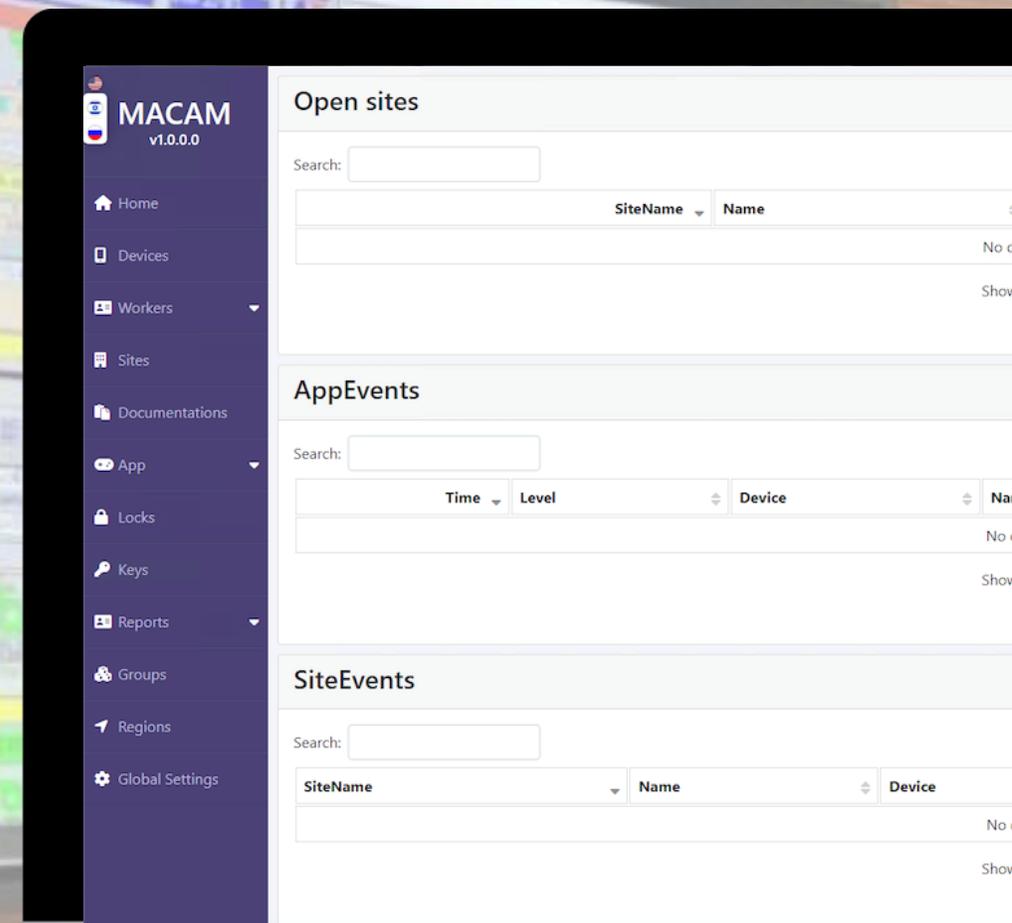
- In a situation where employees remain at a facility or relocate to another facility, these open facilities are listed under the menu button - Open Sites.
- A facility can be selected and armed. It is important to verify at the end of each workday that none of the facilities have remained open and if there are such sites, they must be armed.



Management Control System (MCS) - Control Room

MCS interfaces in the control room:

- Devices (A feed of authorized numbers.)
- Employees (A list of employees and authorization levels.)
- Sites (Site names and coordinates.)
- Documents (Uploaded documents for viewing.)
- Application (Push messages and alerts.)
- Locks (Lists and authorizations.)
- Keys (Lists and authorizations.)
- Reports (Generated reports)
- Groups (Established groups and authorizations.)
- Zones (Zone management.)



The screenshot shows the MACAM v1.0.0.0 mobile application interface. It features a dark purple sidebar with navigation icons and labels: Home, Devices, Workers, Sites, Documentations, App, Locks, Keys, Reports, Groups, Regions, and Global Settings. The main content area is white and displays three sections: 'Open sites', 'AppEvents', and 'SiteEvents'. Each section has a search bar and a table with columns for SiteName, Name, and Device. The 'Open sites' section shows a table with columns SiteName, Name, and Device. The 'AppEvents' section shows a table with columns Time, Level, Device, and Name. The 'SiteEvents' section shows a table with columns SiteName, Name, and Device.