footprint is a very powerful, customizable, and user-friendly tool, being used in Security and Asset Management applications. With its very deep customizable features, the software can be integrated with tracking hardware of different makes and models. This unique feature provides users to manage all its assets through an easy and convenient interface.

Key Features:

- **Customization:**
  User can customize the application to:
  - Add/Delete/Modify a type of device
  - Select any parameter to be shown on the main screen (site status), graph or report.
  - Provide a Name/Unit to an input of tracking device.
  - Change the format of the input parameter, (e.g. number of decimal places)
  - Sequence of the input parameter on the main screen
  - Color of the input parameter on the graph.

- **Manage Clients:**
  - Add/Delete/Modify a client/organization.
  - A root group is created and assigned to the newly created client/organization.
  - The client/organization icon then appears in the tree of site-groups.
  - Under the client/organization, almost up to an infinite number of groups can be added to organize remote equipment hierarchically under them.
  - In the case of a large and single organization, a root client is created and then all the users of the system are restricted to create a new client/organization by the user management screen.

- **Alarm Notification Alerts (Buzzer/Popup Message):**
  - On each scan of the tracking device, alarm configurations are checked, and if found, a beep is played and an alert balloon notification is displayed.
  - A complete history of alarms is logged to generate alarm report for particular device, or for a particular alarm.
  - Once an alarm is created, it can be configured on any number of the remote devices with the same configuration parameters or with the different alarm parameters for particular tracking device.

Alarm Notification Groups Management (SMS/Email Alerts):

- Alarm groups can be managed separately.
- Every alarm group can have its own users to response on particular alarms/alerts.
- An alarm group can have multiple tracking devices under it whose alerts can be sent to the user of that group via SMS or email.
- A group can be configured for either SMS or Email or both of the alerts.

- **Site Groups:**
  The system is capable of managing sites under groups. The application also gives user a simple and user friendly options to handle groups, such as:
  - Groups can have sub-groups.
  - User can Add/Delete/Modify groups and sub-groups
  - Each Group shows the total number of sites assigned to that group on the main screen.

- **Login Users - Multiple Authentication Levels (Rights and Roles)**
  A must have feature in any Management System is to assign different users, rights and roles. With SMCS it is available with such an easy yet very deep digging way. It includes:
  - Add/Delete/Modify a user.
  - Assign user a role, (i.e. Admin, Security, Technician etc.)
  - Add/Delete/Modify Roles as well.
  - Assigning Rights to different Roles. (Current version supports 20 rights, with even having option to either assign a role to Start/Stop the server communication.)

- **Disconnection Alert**
  An automated disconnection alert is sent to the Support group when a tracking object is disconnected from server for more than two hours (time can be programmed).

- **Software Interfaces**
  - Desktop
  - Web Interface

Screens Captures:

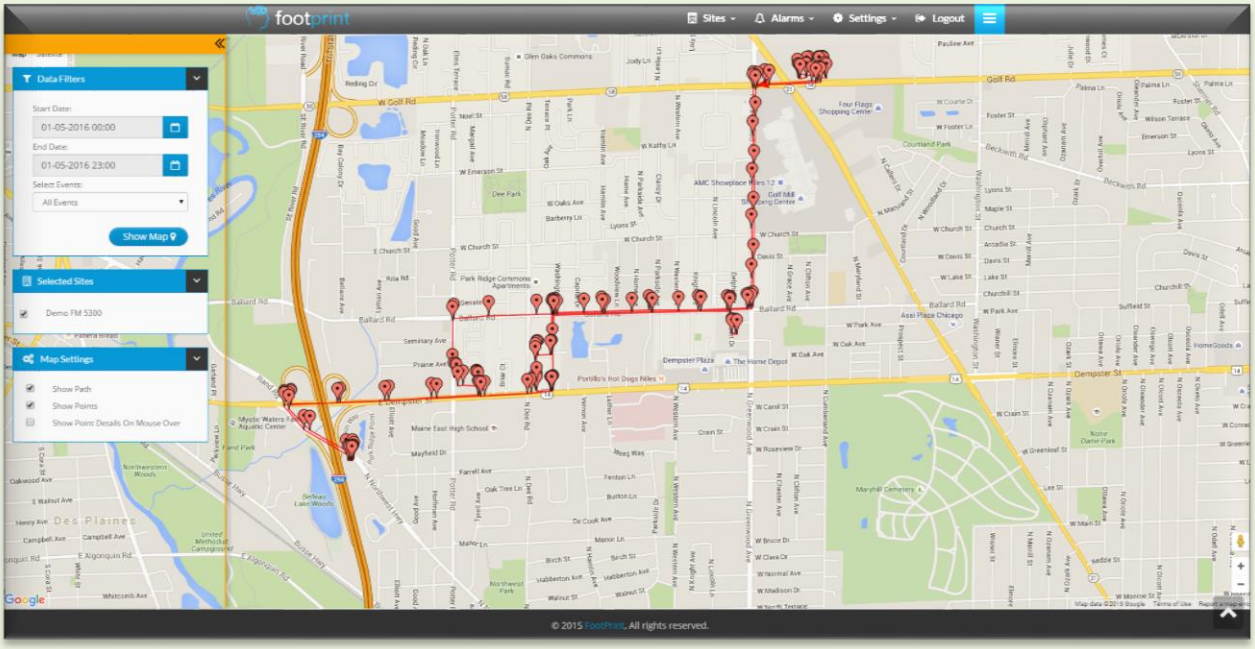

Figure 1: Tracking an Asset

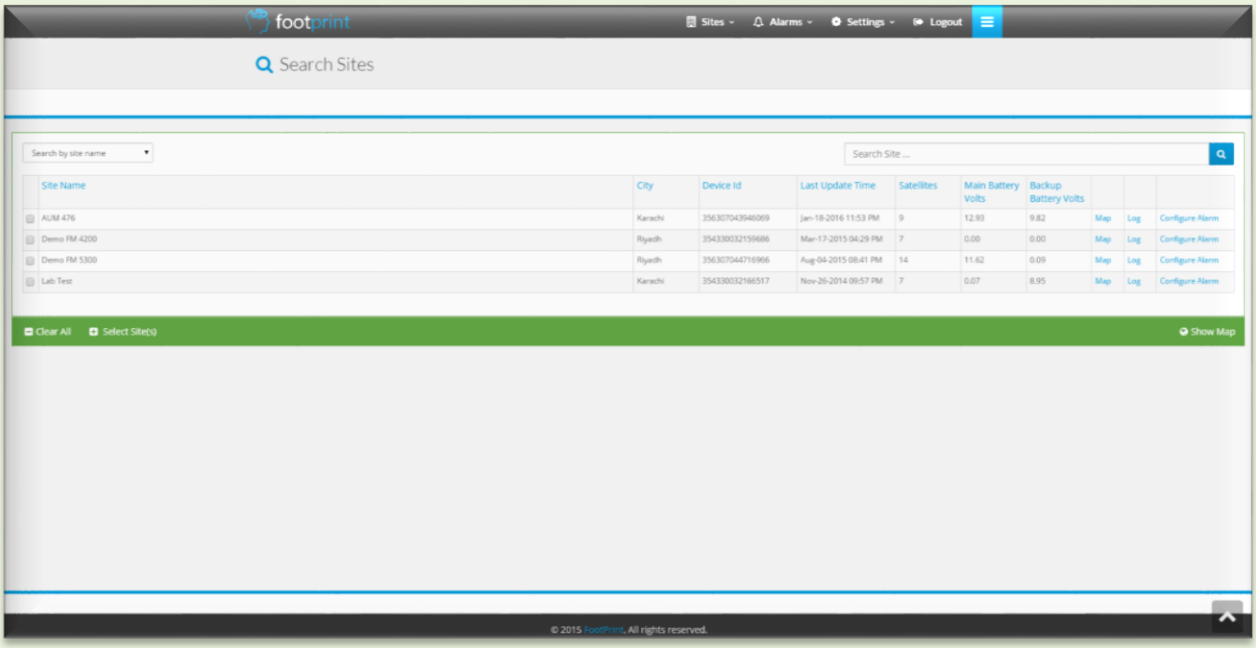

Figure 2: View of Tracking Assets

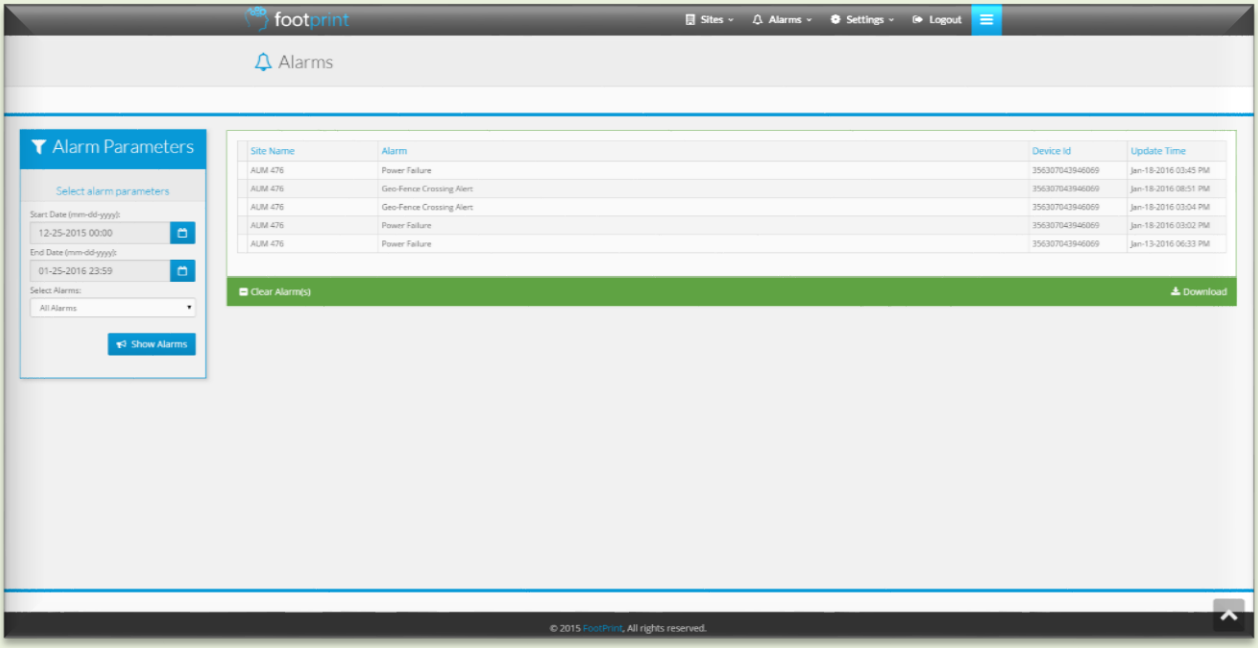

Figure 3: View of Alarms

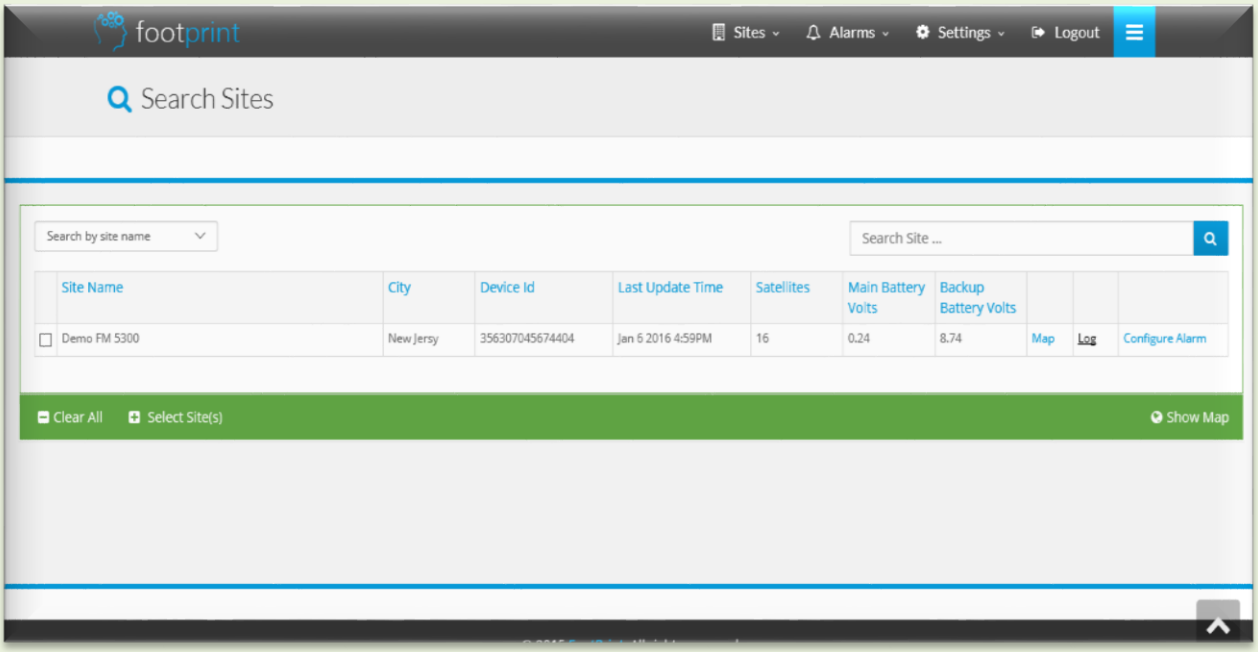

Figure 4: Search Screen