

## Product Presentation

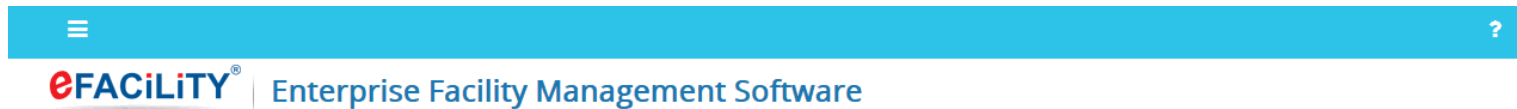


“End to End Facilities Management Software that simplifies complex operations,  
aids cost reduction & improves efficiencies”

## Introduction



- ✓ It is a modular facilities management system
- ✓ Works together with your business and allows day-to-day management of processes
- ✓ Automates operations
- ✓ Provides a management dashboard for critical analysis
- ✓ Enterprise wide control in the most intelligent and efficient way



**eFACiLiTY®**

  
  
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## Modules

# eFACiLiTY<sup>®</sup> | Enterprise Facility Management Software

## Modules

<b>Administration Functions</b>  Global Configuration, Custom Report/KPI Builder	<b>BMS/BAS Integration</b>  Process Alarms and Generate Work Orders, Capture Readings, Control Equipments	<b>Card Management system</b>  Employee Badge Pass Issue	<b>EAM Mobile</b>  Asset Validation, Work Orders Processing, Inspection and Readings
<b>Facility Booking System</b>  Book Meeting / Conference Rooms, Invite Attendees, Order Refreshments	<b>File / Drawing Management</b>  Floor Plans, Wiring Diagrams, Documents, User Manuals, Storage and Retrieval	<b>Help Desk</b>  Requests, Problems Processing, SLA, Knowledgebase	<b>Mail Room Service</b>  Tracks Incoming and Outgoing Consignments Track Service Provider Performance
	<b>Maintenance Management</b>  Asset Register, Maintenance Policies, Work Orders, Inventory	<b>Project Management</b>  Project Planning and Time Sheet Tracking	<b>Space Management System</b>  Plan and Manage Space Occupancy, Track and Monitor efficient Utilization
<b>Tenant Billing System</b>  Manage Tenants, Meter Readings, Billing, Collections, Lease details	<b>Time and Attendance</b>  Roster, Leave Management and Clock-In / Out Exceptions	<b>Visitor Management</b>  Visitor Sign-in, Badge Printing, Tracking, Items carried In/Out	<b>Workflow Engine</b>  Create and Customize Workflows

## Multi-Site & Multi-Organization Concept

- ✓ Site wise concept for multiple sites implementation using a central server
- ✓ Facility managers view data from any location by simply choosing the respective site/location from the homepage.
- ✓ Privileges to view, add or modify information can be defined and mapped to each and every user and the same can be set against the site(s)

The screenshot displays the eFACiLiTY Maintenance Management interface. The top navigation bar includes the eFACiLiTY logo, a menu icon, and user information for 'Site Administrator'. The left sidebar lists various management functions such as Equipment, Stores, Fuel Management, and Reports. The main content area is divided into several sections:

- Corrective maintenance:** A donut chart showing maintenance status: CLOSED - 3 (green), OPEN - 6 (red), and PENDING FO... (yellow).
- Preventive maintenance:** A bar chart showing maintenance status: CLOSED - 8 (green), PENDING FOR (red), and OPEN - 10 (yellow).
- PM Calendar - February 2015:** A calendar grid with dates 1 through 29. A dropdown menu is open, listing site locations: TEXAS, BANGALORE, COIMBATORE ZONE, HYDERABAD, and MUMBAI. Below the calendar, it indicates '5 of 5 retrieved'.
- Purchase Order:** A table listing PO numbers and their statuses.
- Energy Consumption:** A table listing equipment numbers, dates, consumption values, and types.
- Work Order Wise Report:** A table listing work order numbers, equipment numbers, names, makes, and markets, with the SIERRA ODC Private Limited logo.

PO No.	Status
CBESTMPO01	None Received
CBEST000001	None Received
CBESTPOMAN002	None Received
CBESTPOMAN001	Part Received

Equipment No.	Date	Consumption Value	Type
CBESTAC-01	27/12/2015 18:50:00	350.52	Amps
CBESTAC-01	25/12/2015 00:00:00	65.00	Boost

WO No.	Equipment No.	Equipment Name	Make	Market
CBEST64	CBEST-DG001	Diesel Generator 001	ABB	SIERRA INFOSYS
CBEST63	CBEST_Dev-App-1	Air Cooler 04	International Business Machine	SIERRA INFOSYS

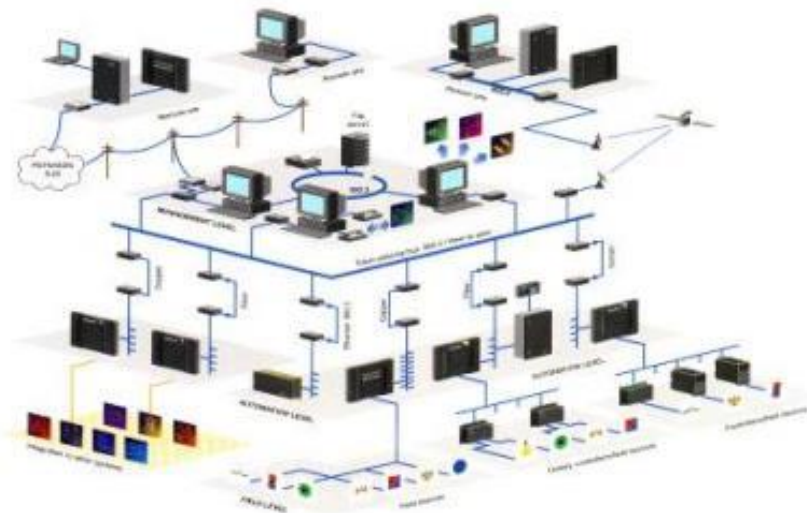


## Principle Concept of Facilities Management

- ✓ Facility management is an interdisciplinary integration of processes within an organization to maintain and develop the maintenance and care of a building/facility and its assets, people, place and processes.
- ✓ The major challenge facility owners face is reducing energy consumption during the operational phase, create an optimal environment for the occupants, preservation of the infrastructure & assets, security, etc.
- ✓ The key role of FM is to coordinate and oversee the safe, secure and efficient functioning of a business' day-to-day operations.
- ✓ The primary activities of FM include the care of air conditioning, electric power, plumbing and lighting systems; cleaning, grounds-keeping and security.
- ✓ These duties are considered as non-core/support services as they do not serve as the primary business of the owner organization/facility and bare huge costs for its operation.
- ✓ For economic reasons facility owners have turned towards Information Technology identified as Computer Aided Facility Management (CAFM), Facilities Management Systems, or Computerized Maintenance Management Systems for efficient Facility Management.
- ✓ The FM solutions address and automate the facility's overall functional processes, simplifying their operation and monitoring through integration with other technical devices in the building - providing "end-user satisfaction" in a most cost effective manner.

## Improving the Management of a Property/Asset and at the same time Optimizing Operation Costs

- ✓ Integrates various process and procedures onto a single, intelligent network-based software solution
- ✓ Centralized Repository for all the property's assets, monitoring of budget/expenditure, maintenance records, management reports with KPI etc
- ✓ Enhance the response to tenant's feedback/response. Automated tracking thereby improving customer service
- ✓ Optimize Operating/Running costs
- ✓ Improve Staff Productivity as the system can intelligently search for data more expeditiously, providing the staffs with more time to focus on other key issues



# System Structure



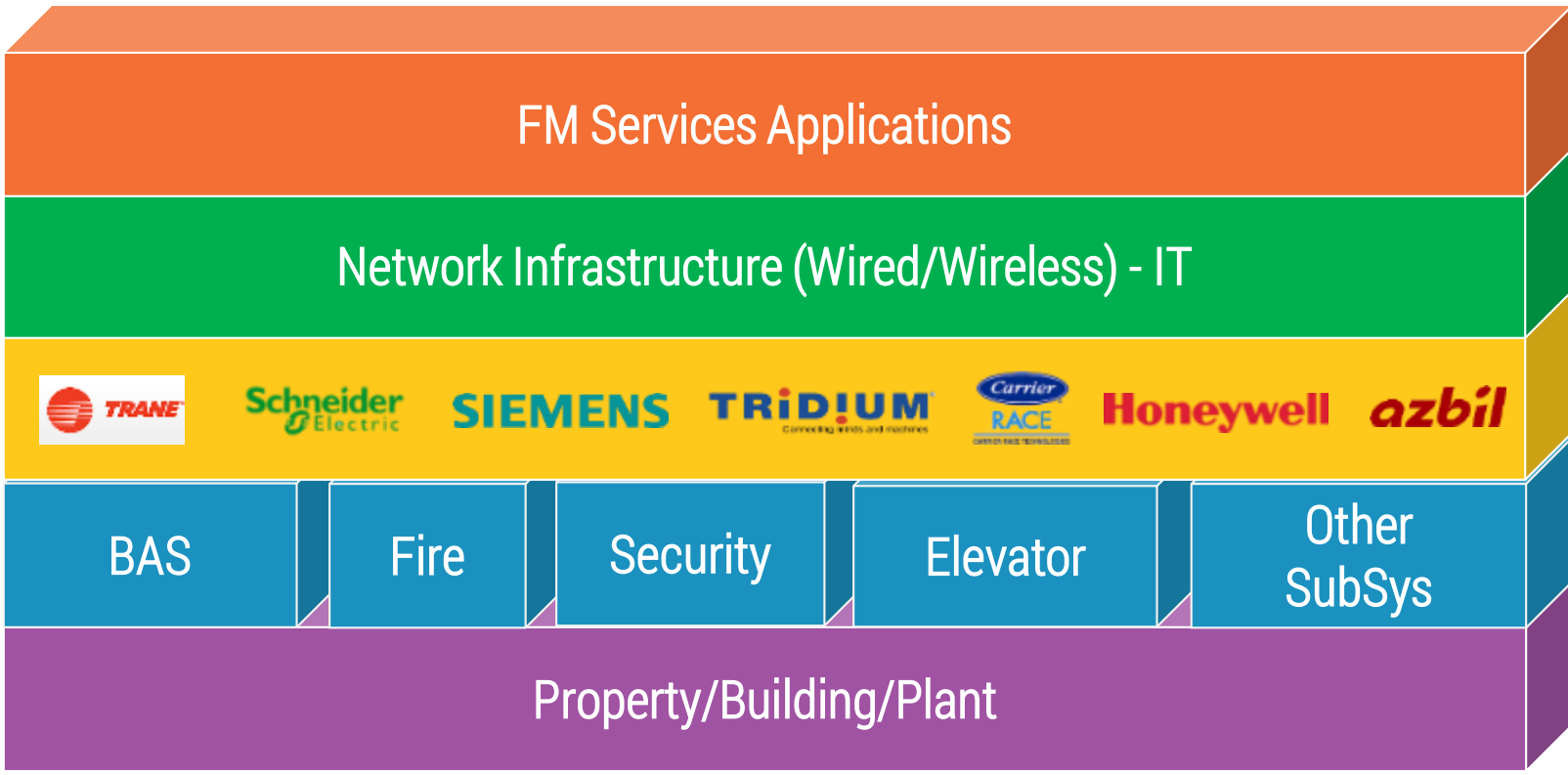
Technician



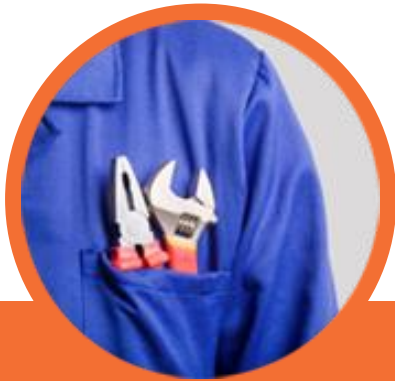
Building manager/  
Building owner



User (Staff or Tenants)



## eFACiLiTY® – Maintenance Management System



"An optimal asset life cycle and maintenance management solution"

- Track, maintain and manage your Assets
- Multi site, multi organization and multi level asset tree
- Generate and manage preventive & breakdown maintenance work orders

## Maintenance Management - Features

- ✓ eFACiLiTY's Maintenance Management system provides Enterprise Asset Management, Property Management and Computerized Maintenance Management features that facilitates the Asset Managers to track, maintain and manage their assets, properties, facilities and equipments and get the best performance by them throughout their life-cycle.

The screenshot displays the eFACiLiTY Maintenance Management interface. The top navigation bar includes the eFACiLiTY logo, a search icon, and a user profile for 'Site Administrator'. The left sidebar contains a menu with options like Equipment, Stores, Fuel Management, and Reports. The main content area is divided into several sections:

- Corrective maintenance:** A donut chart showing the status of maintenance requests: CLOSED - 3 (green), OPEN - 6 (red), and PENDING FOR... (yellow).
- Preventive maintenance:** A bar chart showing the status of preventive maintenance requests: CLOSED - 8 (green), PENDING FOR... (red), and OPEN - 10 (yellow).
- PM Calendar - February 2015:** A calendar grid showing dates from 1 to 29. A dropdown menu is open, listing locations: TEXAS, BANGALORE, COIMBATORE ZONE, HYDERABAD, and MUMBAI. Below the calendar, it says '5 of 5 retrieved.'
- Purchase Order:** A table listing purchase orders with columns for PO No. and Status.
 

PO No.	Status
CBESTMP001	None Received
CBEST000001	None Received
CBESTPOMAN002	None Received
CBESTPOMAN001	Part Received
- Energy Consumption:** A table listing energy consumption data with columns for Equipment No., Date, Consumption Value, and Type.
 

Equipment No.	Date	Consumption Value	Type
CBESTAC-01	27/12/2015 18:50:00	350.52	Amps
CBESTAC-01	25/12/2015 00:00:00	65.00	Boost
- Work Order Wise Report:** A report header for SIERRA ODC Private Limited, followed by a table listing work orders with columns for WO No., Equipment No., Equipment Name, Make, and Market.
 

WO No.	Equipment No.	Equipment Name	Make	Market
CBEST64	CBEST-DG001	Diesel Generator 001	ABB	SIERRA INFOSYS
CBEST63	CBEST_Dev-App-1	Air Cooler 04	International Business Machine	SIERRA INFOSYS

## Maintenance Management – Key Functions

- ✓ Asset Management
- ✓ Preventive Maintenance Scheduling
- ✓ Corrective Maintenance
- ✓ Work Order Management
- ✓ Resource Management
- ✓ Procurement Management
- ✓ Contracts Management
- ✓ Service Level (SLA)
- ✓ Stores/Inventory Management
- ✓ Property Management
- ✓ Key Management
- ✓ Fuel Management
- ✓ Asset Tracking with RFID, Barcodes
- ✓ PPM Library with standard (built-in) policies in-built
- ✓ SMS approval for work orders
- ✓ Configurable Work Order
- ✓ Approval Workflows



## Maintenance Management - Features

### ✓ Assets

Assets Tracking

Depreciation & Valuation

Asset Life-cycle Management

The screenshot displays the 'Asset-Equipment Reg.' page in the eFACiLiTY system. The left sidebar contains a navigation menu with options like 'Equipment', 'Schedule Maintenance', 'Inspection', etc. The main area shows a tree view of assets under 'TEXAS' > 'A Block' > 'Basement'. 'Diesel Generator 02' is selected. The right panel shows a table of tabs (Property, Asset Management, etc.) and a detailed view for the selected asset.

Property	Asset Management	Extended	Asset/People	AMC/Contracts	GPS Location
Drawings	Movements		History	Readings	APL's
<b>Details</b>	Work Orders		Maintenance Policies	Docs	Picture

Asset Level Selection		Asset Details	
<input checked="" type="radio"/> Equipment	<input type="radio"/> Location*	Description	Diesel Generator 02
<input type="checkbox"/> List in Facility Master		Equipment Assigned To	BalaChandar
<input type="checkbox"/> List in Space Master		Organization*	SIERRA INFOSYS
<b>Level*</b>	<b>Parent</b>	Department	Mech
<input type="radio"/> Site		Equipment Type	Diesel Generator
<input type="radio"/> Building	Texas	Account Code	AC-1852
<input type="radio"/> Floor	TexasA-Blk	Manufacturer	<b>ABB</b>
<input checked="" type="radio"/> Area	TexasBMNT	Model No.	
<input type="radio"/> 5th Level Component	--Select--	Customer	
<input type="radio"/> 6th Level Component	--Select--	Asset Category	Tangible Assets

## Maintenance Management - Features

- ✓ Equipment / Asset Register
  - ✓ Maintain complete details of each equipment / asset in a plant or facility
  - ✓ Maintain Supplier and warranty information of each equipment
  - ✓ Tree structure to allow a parent child relation between equipment
  - ✓ No limitation in the no. of equipment's
  - ✓ Physical characteristics of each equipment including height, width, depth and color
- ✓ Registration and certificate numbers for each equipment
- ✓ Asset Type wise user defined fields
- ✓ Move equipment from one location to another
- ✓ Track movement of equipments
- ✓ Auto equipment numbering
- ✓ Purchase cost and depreciation calculation

## Maintenance Management - Features

- ✓ Maintenance
  - ✓ In-built PPM Library
  - ✓ Preventive (Scheduled) Maintenance
  - ✓ Corrective (Ad-hoc) Maintenance
  - ✓ Reactive Maintenance & Best Procedures
  - ✓ Work Orders Management
  - ✓ Routine Inspection
  - ✓ Equipment Readings
  - ✓ Resource Scheduling
  - ✓ Technician/Labor Management
  - ✓ Time Cards
  - ✓ Downtime
  - ✓ Planning

## Maintenance Management - Features

- ✓ **Corrective & Preventive Maintenance Management**
  - Tool for monitoring maintenance and repair job requests
  - Storage of equipment data
  - Scheduling work orders to perform maintenance jobs – routine/preventive maintenance
  - Provides flexible working methods such as managing work through instant work orders, on demand work orders and preventive maintenance work orders.
  - Generate periodic reports and queries that include charts, database tables, drawing and images.
- ✓ **Standard Maintenance Services**
  - Allows building of templates for recurring maintenance activities
  - Manual & automatic
- ✓ **Maintenance Job Requests**
  - In the event of equipment failure
  - Escalation of job request

## Maintenance Management - Features

### ✓ Work Orders

- ✓ Work orders can be created for every maintenance task
- ✓ Estimated and actual costs for each work order
- ✓ Estimated and actual labor and spare parts required
- ✓ Link external files to print work orders – MS Word, MS Excel, other file format
- ✓ Create work orders from customer's job requests
- ✓ Resource Scheduling – Scheduling the work for any day, week, month of any year for any equipment, trade or trades person
- ✓ Add history at any time during a job
- ✓ Create work orders from standard jobs
- ✓ Add safety notes and instructions to each work order
- ✓ E-mail escalation on work orders yet to start after due date

# Work Order Screen

Maintenance Management

Maintenance Management > Work Order

TEXAS

Equipment

- Asset-Equipment Reg.
- Schedule Maintenance
- Inspection
- Equipment Reading
- Energy Consumption
- Job Request
- Work Order
- History
- Invoice
- Time Card
- Downtime
- Contracts
- Job Card
- Equipment Physical
- Submit Service

**Work Order**

Work Order No.*	Texas1	W/O Group No.	<input type="text"/>
W/O Type	Maintenance Policy	Policy No.	Texas4
Created By	<input type="text" value="Site Administrator"/>	Reading	<input type="text"/>
	<a href="#">View Contract Details</a>		
Equipment No.*	<input type="text" value="Air Conditioner 001"/>	Equipment Assigned To	<input type="text"/>
	<a href="#">View Details</a>		
Location Hierarchy	Texas → TexasA-Blk → TexasFFLR → TexasFFLR-AWS1 → Air Conditioner 001		Reason for Trigger : No Of Months
<b>Warranty</b>		<b>Contract/AMC</b>	
Start Date	<input type="text" value="01/12/2015"/>	Start Date	<input type="text" value="01/01/2016"/>
End Date	<input type="text" value="01/01/2017"/>	End Date	<input type="text" value="30/12/2016"/>
Job Description*	<input type="text" value="AC regular quarterly maintenance in work station 01"/>		
Instructions	<input type="text" value="Verify AC (Samsung, model: ACV5126/45) manual"/>		
Safety Notes	<input type="text" value="Wear safety Goggles, Gloves and Rubber boots while working"/>		



# Work Order Screen

- Maintenance Management
- Equipment
- Asset-Equipment Reg.
- Schedule Maintenance
- Inspection
- Equipment Reading
- Energy Consumption
- Job Request
- Work Order**
- History
- Invoice
- Time Card
- Downtime
- Contracts
- Job Card
- Equipment Physical
- Submit Service
- Stores

Maintenance Management > Work Order TEXAS

Trade Alert  Email  SMS      Alert Tenant  Email  SMS

Fixed Date/Time of execution

Details	Costs	Docs	Spares	Tools	Tasks	Trades	Contractor	Customer	WorkFlow Details	Status
Account Code	AC-1852								Raised	30/01/2016 11:31 AM
Reference No.	Texas 002	Estimated Duration	3.00	h					Due Start	30/01/2016
Priority	7	Emergency							Start	03/02/2016 11:31 AM
Status	3	Started							Due Finish	01/02/2016 05:31 PM
Status Remarks	Scheduled to AC - Technician									
Job Type	Rep	Replace Work							Finish	
Department	App	Appliances							Printed	<input type="checkbox"/>
SLA	Texas1	RE001								
WF Status	Approved									

Resend Email to Contractor
Save
Cancel
Delete

## Maintenance Management - Features

### ✓ History

- Failure analysis
- Downtime and repair time reporting
- Full description of each job done
- Add history without work orders

### ✓ Readings

- Store readings of equipment. Eg. hours, kpa, amps etc.
- Use readings to trigger maintenance policies
- Calculate average usage rates for all equipment

### ✓ Downtime

- Register downtime of all equipment / plant
- Instantly produce daily and weekly downtime reports for use by management

## Maintenance Management - Features

### ✓ Maintenance Policy

- Plan all the work on any preventative maintenance or routine job including all resources. Schedule maintenance by hours, weeks, years, kilometers etc.
- Two type of policy. The first type is calendar based - e.g. days, weeks, months and years. The second type is usage based - e.g. hour meter for hours, odometer for kilometers, weight meter for tones, etc.
- Create work orders for the created policies when they are due. By running the activator, MMS will select the maintenance policies that are overdue or due in the near future and turn them into work orders for each equipment
- Labor resource requirement and spare part requirement planning
- Provide an area where you can store all your standard jobs. A standard job is a job that is planned (resourced), but not scheduled on a routine basis. The standard job can be turned into a work order when required

## Maintenance Policy

- Records all the information: the nature of the job, the equipment it applies to, frequency of the job done and the resources required to complete the job
- Allows users to manage all your repetitive and routine jobs done on any equipment

Maintenance Management > Schedule Maintenance
TEXAS

**Schedule Maintenance**

+ Page  / 1 Rows/Page  Total Rows 
Excel
Re-Print

Policy No.	Description	Frequency	Frequency Type	Equipment Type	Manufacturer
▼	▼	▼	▼	▼	▼
Texas8	Quarterly Maintenance for WDR	3	Months	Water Distiller	HITACHI
Texas7	Quarterly Maintenance for Diesel Generator	3	Months	Diesel Generator	Kirloskar
Texas6	Quarterly Maintenance for AHU	3	Months	Air Handling Unit	ABB
Texas4	Quarterly Maintenance for AC	3	Months	Air Conditioner	SAMSUNG

Equipment Using
Standard Job
Activator
Scheduler
Print

## Maintenance Management - Features

- ✓ Procurement
  - ✓ Vendor Management
  - ✓ Contracts Management
  - ✓ Alerts on Contracts nearing expiry
  - ✓ SLA Management
  - ✓ Rate Contracts
  - ✓ Purchase Requisition with approval process
  - ✓ Alerts on Rate Contracts nearing expiry
  - ✓ RFQs & Quotations
  - ✓ Quotation Analysis and Order Placement

## Maintenance Management - Features

### ✓ Contracts Management

- ✓ Contracts storage and retrieval with attachments
- ✓ For Scheduled and Corrective Maintenance Service, Procurement & Projects etc.
- ✓ Vendor Details, Contract Details, Terms of Payment, Contract & Warranty Period, Insurance Details etc.
- ✓ Service Level Agreement (SLA) for the contract can be defined
- ✓ Three levels of Auto Reminders for expiry of Contracts and Warranties
- ✓ Provision to store Contract Sum and the variations



## Maintenance Management - Features

### ✓ Service Level Agreements (SLA)

- ✓ SLA or Service Level Agreement can be defined for any job type and priority combination
- ✓ Analysis and escalation can be set against "Status" codes
- ✓ Status can be "Response", "Start of Work", "Completion" etc.
- ✓ Escalation time and the person to escalate can be defined
- ✓ SLA's can be linked to a Contract or a Maintenance Policy (or facility) or a Work Order directly
- ✓ SLA analysis and escalation can be done for internal work orders also

### ✓ Rate Schedules

- ✓ Rate schedules can be linked to Contracts
- ✓ Revisions to rates are allowed and cancelled
- ✓ Work Orders pick up Trade wise rates for Supplier
- ✓ Purchase Orders pick up Item wise rates for Supplier
- ✓ Report to list Rate schedules nearing expiry

## Maintenance Management - Features

- ✓ Stores & Inventory Management
  - ✓ Master Inventory list
  - ✓ Purchase Requisition
  - ✓ Ordering
  - ✓ Inward / Returns / Issues
  - ✓ Multi-warehouse
  - ✓ Min/Max/Levels
  - ✓ Online Stock updates
  - ✓ Automated re-ordering / alerts
  - ✓ Conversion of asset to stores item
  - ✓ Conversion of store item to asset
  - ✓ Spare life cycle tracking and scrap management

## Maintenance Management - Features

- ✓ Stores
  - Record all the spare parts for maintenance/repair purpose
  - Charge out spare parts to customers
  - Create purchase orders for store purchase
  - Manage all suppliers and contracted rates for spares
  - Analyze the usage of all spare parts
  - Item re-order alert

# Store Listing Screen

Maintenance Management >

- Equipment
- Stores
- Group
- Class
- Item Name Code
- Unit of Measures
- Stock Class
- Store
- Stores Listings
- Stores Transfer
- Expected Stocks from
- Stocktake Approval
- Stocktake Update
- Material Request
- View Material Request
- Purchase Requisition
- RFQ
- Quotations

Maintenance Management > Stores Listings

**Stores Listings**

Catalogue No.\*  Part Name\*

Product Description

**Details** | Suppliers | Picture | Docs

Location	Inventory	
Store* <input type="text" value="LOGISTICS"/>	Stock On Hand	1250.00
Site <input type="text" value="Texas"/>	Reserved Quantity	0.00
Bin Location <input type="text" value="North Wing"/>	Previous Minimum Stock Level	1000.00
Area of Plant <input type="text" value="Hernen"/>	Max Qty	1200.00
Pricing	Min Qty	500.00
Cost/Item <input type="text" value="650.00"/>	Order Qty	150.00
UOM <input type="text" value="Boxes"/>	On Order	0.00
MarkUp Type <input type="text" value="Percentage"/>	Miscellaneous	
MarkUp Amount <input type="text" value="5.00"/>	Status <input type="text" value="Stocked"/>	

TEXAS

Cont.,

# Store Listing Screen

Maintenance Management

Maintenance Management > Stores Listings

TEXAS

Sell/Item	0.00	Stock Class	On Request
Tax ID	--Select--	Group	High Quality
Tax %	0.00	Class	Highest Price
Keywords	Store Item	INC	INC345
Comments		Superseded	PILOTLIGHT-SMALL-RED
		Shelf Life	3.00
		Item Type	<input checked="" type="radio"/> Spare <input type="radio"/> Tool <input type="radio"/> Asset <input type="radio"/> Fuel
		Manufacturer	ABB
		Raised By	Aravind
		Authorised By	Store Keeper
		Hazardous	<input type="checkbox"/>
		Equipment Type	E1

Save
Cancel

## Maintenance Management - Features

- ✓ Stores Inventory Management
  - ✓ Quality Inspection during item receipt
  - ✓ FIFO policy to manage perishable / non-perishable items.
  - ✓ Material request and transfer within site and other sites
  - ✓ Goods-in-transit tracking between sites
- ✓ Fuel management feature
- ✓ Stock variance approval workflow
- ✓ Write In / Write Off entry for stock adjustment



## Maintenance Management - Features

### ✓ Others

- ✓ Budgets, Forecasts
- ✓ Invoicing
- ✓ Keys Management
- ✓ Time Cards
- ✓ Six level Asset tree
- ✓ Multi-site, Multi-Organization

### ✓ Property

- ✓ Lease / Tenant Info
- ✓ Score card

## Maintenance Management - Features

### ✓ Invoicing

- ✓ Generate invoice for a work order, or for ad-hoc invoicing
- ✓ MMS quote cost directly from the work order or use the quoted price on the invoice
- ✓ Maintain discounts for each supplier. This will show on all invoices for that customer
- ✓ Trade labor costs can be charged out differently to each customer

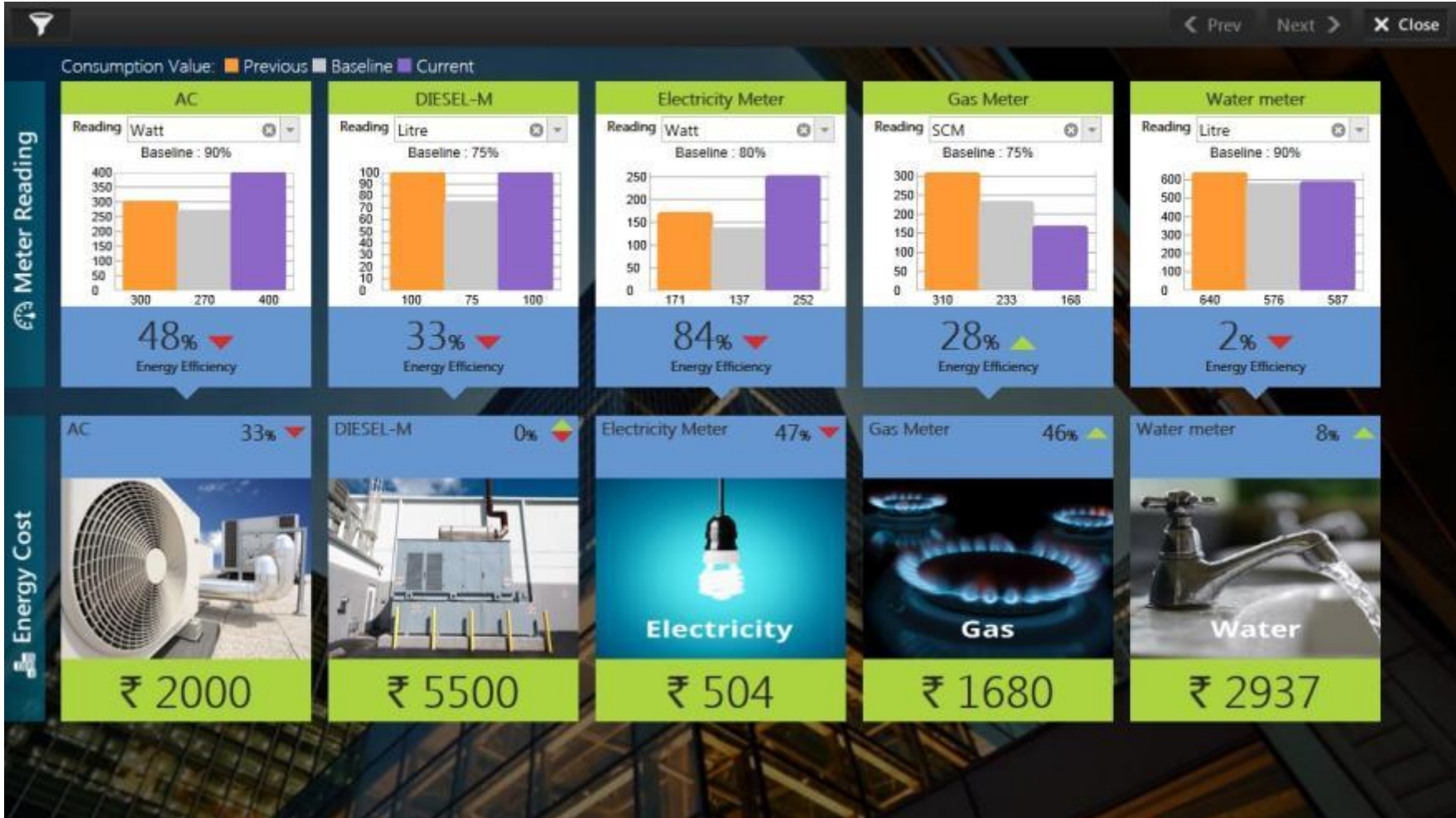
### ✓ Key Management

- ✓ Manage all the keys of a company
- ✓ Track who has the keys, what keys are they
- ✓ Track how often people lose keys

## Maintenance Status Dashboard



Energy Dashboard



## Maintenance Management – Standard Reports

- ✓ ABC Analysis Report
- ✓ Account Budget Report
- ✓ Assets in Store Report
- ✓ Backlog of Work by Job Type, Trade, Person Report
- ✓ Contracts by Equipment / Supplier Report
- ✓ Asset Current Value Report
- ✓ Customer Inspection Report
- ✓ Downtime Report
- ✓ Energy Consumption Report
- ✓ Energy Dashboard
- ✓ Equipment Costs Report
- ✓ Equipment Inspection Report
- ✓ Equipment Physical Count
- ✓ Equipment Reading Report
- ✓ Equipment Register Report
- ✓ Estimated v Actual Detail Costs
- ✓ Fixed Asset Register- Detail Report
- ✓ Forecast Costing Report
- ✓ FSN Analysis Report
- ✓ Fuel Efficiency Comparative Report
- ✓ Inspection Work Order Report
- ✓ Inward Report

## Maintenance Management – Standard Reports

- ✓ Item Report
- ✓ Maintenance Policy Report
- ✓ Outward Report
- ✓ Physical Inventory Report
- ✓ Preventive Maintenance Work Order Summary Report
- ✓ Purchase Order Outstanding Report
- ✓ Quotation by Catalogue Report
- ✓ Quotation by Supplier Report
- ✓ RFQ by Catalogue Report
- ✓ SLA by Work Order Detail Report
- ✓ Stock Value Report
- ✓ Stock Take Report
- ✓ Store Item Barcodes Report
- ✓ Stores Reorder Report
- ✓ Stores Transactions by Catalogue No.
- ✓ Stores Transactions by Equipment Report
- ✓ Work History Costs Detail Report
- ✓ Work Order Completed Report
- ✓ Work Order History Report
- ✓ Work Order on ALARMS
- ✓ Work Order Outstanding Report
- ✓ Work Order Status Report

## eFACiLiTY® – Mobile



"Remote asset data capture, work order processing using Mobile / PDA devices"

- Asset creation & validation
- Inspection & readings capture
- Workorders, audits & inspection
- Helpdesk calls processing



## eFACiLiTY Mobile

- ✓ eFACiLiTY Mobile significantly improves the pace and efficiency of the maintenance team, as it triggers instant alerts directly to the trades men's mobile device from which the trades men can view the work order, follow instructions as well as complete and close the work order quickly.
- ✓ The online version of eFACiLiTY Mobile runs on devices using GPRS / WiFi and connects to the eFACiLiTY server application to access the live data and perform live operations.
- ✓ The new eFACiLiTY Mobile application works on multiple platforms like iPAD, iPhone, and Android





## eFACiLiTY Mobile - Features

- ✓ Functionalities implemented in the Mobile platform are:
  - Help Desk Operations
  - Helpdesk call – photo upload
  - Work Order Processing
  - Work Order – photo capture
  - Inspection
  - Meter Readings
  - Asset Tracking
  - Visitor pre-registration
  - Facility booking
  - Space booking
  - Time and Attendance

## eFACiLiTY Mobile on Multiple Platforms

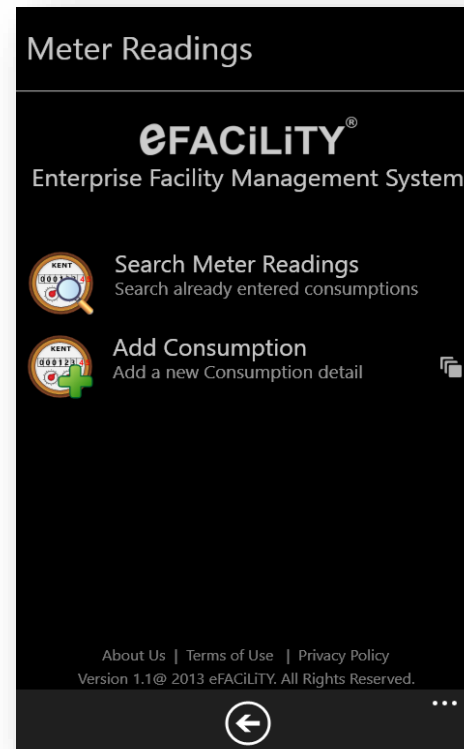
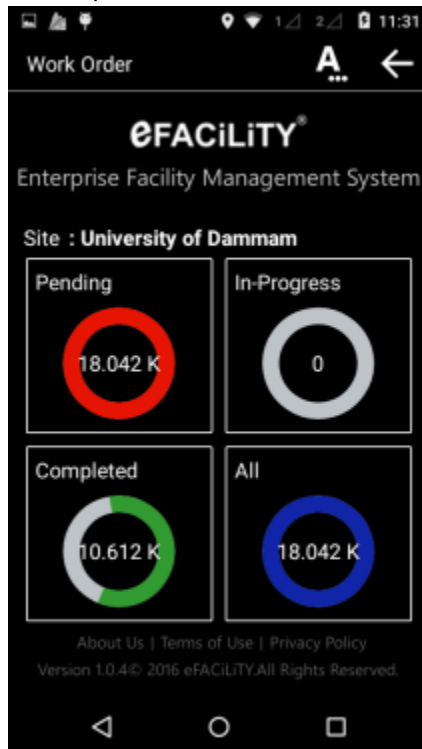
- ✓ The eFACiLiTY Mobile works on the following operating systems:
  - Microsoft Windows Mobile 5, 6, 6.1, 6.5
  - Microsoft Windows Phone 8 and 8.1
  - Apple iOS 6+
  - Google Android 4.0+



- ✓ The eFACiLiTY Mobile module is accessible via devices like:
  - Windows Phone
  - Apple iPad
  - Apple iPhone
  - Android Phone
  - Android Tablet

## eFACiLiTY Mobile

- ✓ Work Order Processing
  - View assigned work orders and Update completed work details
  - Update time spent against the work order (Time Card)
  - Update Consumables utilized against the work order
- ✓ Meter Readings
  - Record tenant meter readings for Tenant Billing
  - View consumption details



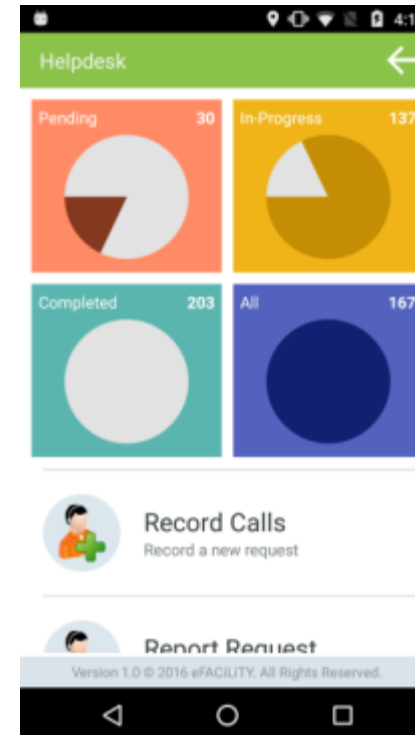
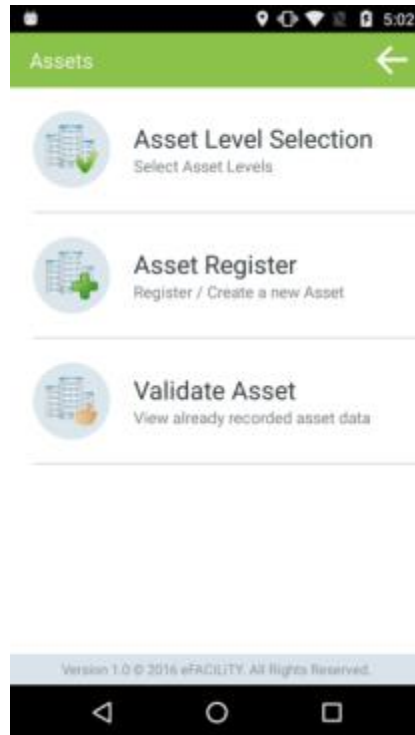
## eFACiLiTY Mobile

### ✓ Asset Tracking

- Asset creation by capturing basic equipment details
- Periodic asset validation by comparing the data captured in the mobile / PDA device against the asset register and Asset movement capture

### ✓ Helpdesk Calls:

- Record or Report Calls, Requests and Issues ,View assigned calls
- Update findings, call related response, Complete assigned calls



## Smart Building App

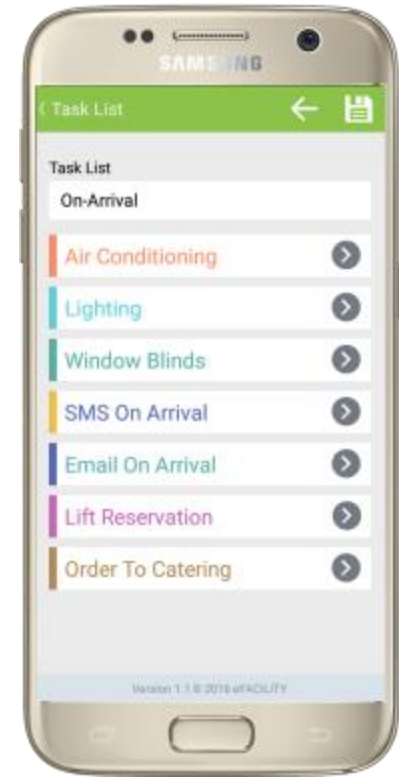


“An essential component of the Smart Buildings of the future providing the control and operation functions of all electro-mechanical systems “

- Automatic operation of lighting, air-conditioning, motorized blinds etc
- Safety & Security
- Critical equipment alarms
- Site wise automation control and Geo fencing setting

## Smart Building App

The Smart Building App for mobile devices is an essential component of the Smart Buildings of the future providing the control and operation functions of all electro-mechanical systems based on end-user's actual requirement and preference leading to energy savings and full-fledged automation by integrating with leading Automation Systems (BMS/BAS). The mobile app also provides all features required by end-users of an office building or a manufacturing facility.



## Smart Building App

### Key features:

- ✓ Automatic operation of lighting, air-conditioning, motorized blinds etc. based on end-user's entry and exit
- ✓ Personalization of operating parameters of the above equipment to enhance user comfort
- ✓ Panic Button for raising panic alarms (Safety & Security)
- ✓ Automated hot-desk booking, intimation of arrival/exit of managers to secretaries/team members etc.
- ✓ Fire, Security and other critical equipment alarms notification
- ✓ Live camera access with CCTV System integration
- ✓ Automatic display of live video in case of fire/security alarms
- ✓ Integration with Access Control systems using NFC eliminating the card based access
- ✓ Location based messaging within office complexes enhancing employee engagement
- ✓ Remote paging via Public Address (PA) systems with PA System integration

## eFACiLiTY® – Extension Tools



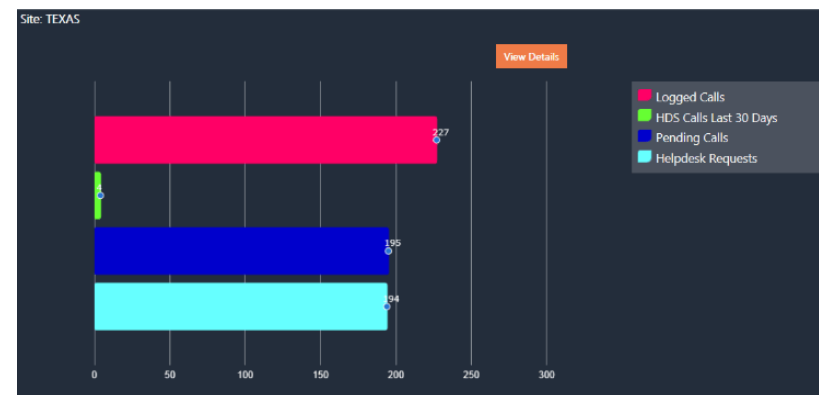
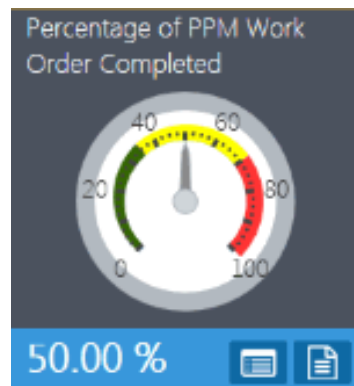
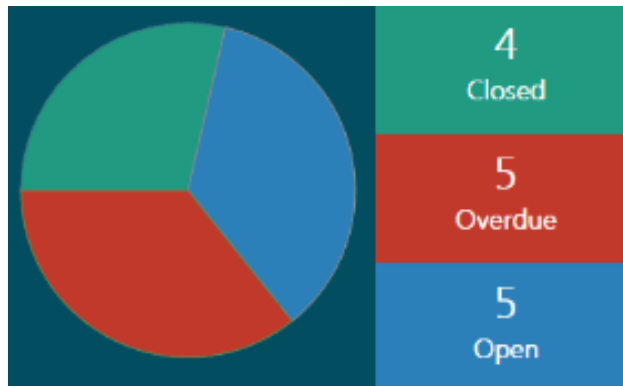
“Generate a plethora of custom reporting as per individual needs”

- Create your own KPIs, reports and dashboards
- Drill Down provision to view detailed reports
- Pivot grids for more detailed analysis
- Link custom reports, KPIs to menu system



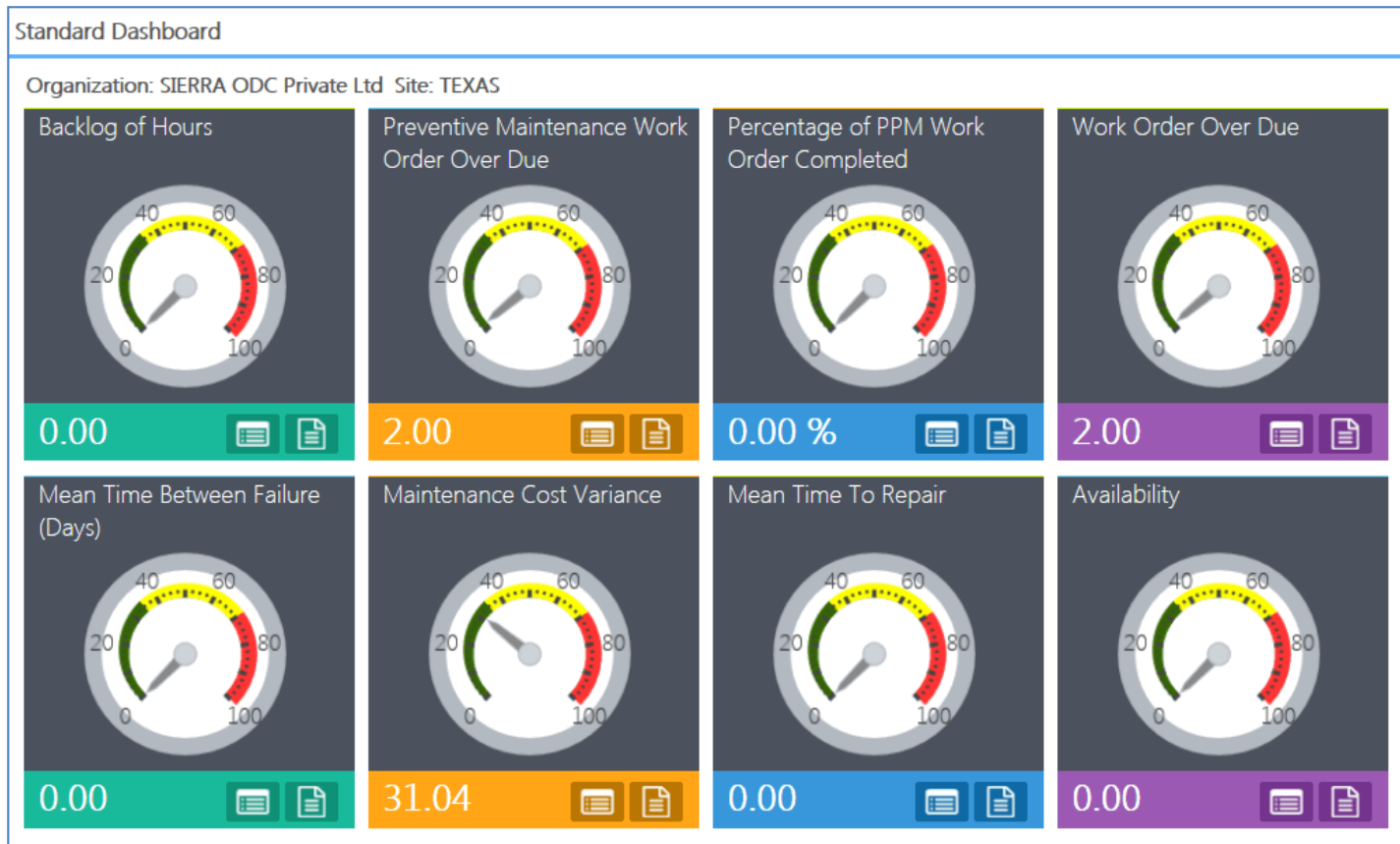
## Key Performance Indicators (KPIs)

- ✓ Standard KPIs – Preventive Maintenance Backlog, MTBF (Mean Time Between Failures), Overdue PM Work Orders, Maintenance Cost variance etc.
- ✓ Provision to drill-down and view detailed report
- ✓ To create Custom KPIs and KPI Charts and associate detailed drill-down reports
- ✓ Site wise KPIs
- ✓ Custom KPIs can be linked to menus and privileges can be defined.
- ✓ Provision to auto-refresh to show latest data.
- ✓ Gauges, Bar charts, Pie-charts etc. available



## Key Performance Indicators (KPIs)

- ✓ eFACiLiTY provides 200+ pre-configured reports and graphs and a Maintenance Dashboard that shows a standard set of Key Performance Indicators (KPI). The system has other tools like the KPI Builder, Custom Report Builder, Pivot Grid Builder for the business users to generate a plethora of custom reporting requirements on their own simple wizards.



## eFACiLiTY - Extension Tools - KPI Builder

The SIERRA eFACiLiTY FMS Suite has standard Maintenance KPI's displayed in the form of a dashboard. The system also has a KPI Designer module using which the administrator of the site can build special KPI's as required and links it to the application menu and even define privileges for display the custom KPI charts developed by the administrator. This feature provides with unlimited capabilities to build analysis parameter for specific business needs.

✓ The below are the features of the KPI Designer,

- KPI Creation: To create various KPIs and define the parameters and conditions for the same
- KPI Chart Creation: To combine a few KPIs to build a KPI Report that can be linked to the menu as a Dashboard
- Bar Graphs, Gauges and Pie Charts can be created
- Drill Down provision to view detailed report for the values displayed in the Charts / KPIs
- Color schemes can be varied for each KPI
- Auto-refreshing KPIs to show latest readings in the KPI Charts

## eFACiLiTY - Extension Tools - Custom Report Builder

The SIERRA eFACiLiTY FMS Suite has a wide set of pre-defined reports in the system with various filtering options. In addition this reports designer module can be used to create simple custom reports and link the reports to any of the menus in any of the modules. The administrator can also define view / export privileges for each of these custom reports.

✓ The below are the features of the Reports Designer,

- No need of SQL knowledge
- No need to look into the field, table names
- Simple to understand table names, column names specified
- Query built automatically based on selection, but can be edited by user
- Report wise user access privileges can be defined
- The filters can be modified during run-time as required

## eFACiLiTY - Extension Tools - Pivot Report Builder

In addition to normal reports designer module Pivot Report Builder can be used to create pivot reports for better analysis.

- ✓ The below are the features of the Pivot Report Builder,
  - The filters can be modified during run-time as required
  - Row fields, Column fields and Data field could be dragged and dropped to view required output
  - Report template could be stored for common/user specific for future reference

## eFACiLiTY - Extension Tools - Pivot Report Builder

### ✓ Pivot Report Builder

PDF  Save Format Close HDS  Set as Default  Public  Private

Page 2 of 7 (64 items) < 1 **2** 3 4 5 6 7 >

Drop Filter Fields Here

CallTypeCount Call Type △ ▽

Organization Name	Site	Category	Intimintion	Maintenance	Preventive Maintenance	Proactive	Problem	Prerequisite	Query	Request	Grand Total
SIERRA INFOSYS	Coimbatore	Software								3	3
	Coimbatore Total									8	8
SIERRA INFOSYS Total										10	10
SIERRA ODC Private Limited	Coimbatore	Events		2							2
		General Issues							1		1
		Hardware							1	1	2
		House keeping								1	1
		Maintenance	1	1						1	3
		Software								1	1
		Software Installation					2		1	3	
Grand Total			4	22	16	1	25	1	2	63	134

Page 2 of 7 (64 items) < 1 **2** 3 4 5 6 7 >

## eFACiLiTY – Admin Functions

### ✓ Staff Profile

- Captures basic information of Employees or users.
- Set user group and site wise privileges

### ✓ Data Dictionary

- Provides entire table structure of database.
- Field wise definition available
- Captures which field to be audited

## eFACiLiTY – Admin Functions

### ✓ Data Dictionary

Select Module

Page  / 48 Rows/Page   Total Rows  System View

Table Name	Table ShortName	Table Description	Module Name
APPFIELDS	Application Fields	APPFIELDS	ADM
APPSYNFIELDS	AppSynFields	APPSYNFIELDS	ADM
APPSYNTABLES	AppSynTables	APPSYNTABLES	ADM
APPTABLES	Application Tables	APPTABLES	ADM
AUDIT_LOG	Audit Log	AUDIT_LOG	ADM
CURRENCIES	Currencies	CURRENCIES	ADM
CUSREPORTPARAM	CUSREPORTPARAM	CUSTOM REPORT PARAMETERS	ADM
CUSTOMFIELDS	Custom Fields	CUSTOMFIELDS	ADM

Last synchronised on: Dec 25 2015 4:26:15:460PM



## eFACiLiTY – Admin Functions

### ✓ Audit Trail Configurator

The SIERRA eFACiLiTY FMS Suite has a powerful Audit Trail Configurator tool using which the administrator of the application can enable, disable audit trails and set up a meaningful and less resource hungry tracking and audit features in the system. The selective table level and field level enabling / disabling of the tracking shall enable more efficient data storage, tracking and performance of the system unlike conventional systems that would either enable / disable audit trails at the module level.

### ✓ The below are the features of the Audit Trial Configurator,

- Stores creation, edit, delete logs
- The logs are stored table level and field level
- The creation, edit, delete logs can be enabled disabled at Table Level and individual Field Level
- The reports can be viewed user wise, date wise, module wise, table wise, field wise as required
- The logs can be analyzed based on the values also

## eFACiLiTY® – File / Drawing Management



“Manage all facility / equipment drawings & documents”

- Centralized repository for file storage
- Store drawings, documents, manuals, etc.
- Asset / facility wise easy storage & retrieval

## File / Drawing Management

- ✓ eFACiLiTY's 'File / Drawing Management system' is a digital files management tool to store, track and manage information of all the drawings, documents, manuals, software etc. associated with the facility / building systems and equipment.
- ✓ The floor plans, equipment drawings, building plans, technical drawings, wiring diagrams, network diagrams etc. can be securely stored, maintained and managed via the system. The extensive search provision helps in identifying and retrieving the documents quickly.



## File / Drawing Management – Features

- ✓ Facility / Equipment wise drawings and documents
- ✓ Multiple drawings and documents for each entity
- ✓ Secured access
- ✓ Supports all type of files including DWG, BMP, JPG, PDF, DOC etc.
- ✓ Detailed search options for searching based on facility, equipment, level, manufacturer, type of file etc.

## Drawing Register

### Document/Drawings Register

Document/Drawing No. \*

Description \*

Date Registered

Location

Authorised By

Revision No

File Name  Upload  Link

File Type   Document  Drawing  Picture

Comments

Equipment No.	Description
Texas-1	Diesel Generator 01
Texas-2	Mahindra Truck 01
Texas-3	Mahindra Truck 02

## eFACiLiTY® – Helpdesk and Knowledgebase



"Powerful and flexible helpdesk software"

- Record and manage calls received online, phone, email and BMS
- Assign, distribute and monitor problems reported
- SLA management & escalation



## Helpdesk & Knowledge Base

- ✓ eFACiLiTY's helpdesk module manages the work flow of registering, assigning and resolving of the job requests and problems reported in a facility or organization.
- ✓ The users can register their complaints/requests online or send emails, the call center operators can record the issues reported and in addition, the system is capable of picking up the alarms generated by building control systems and recording the problems into the system.



## Helpdesk & Knowledge Base

- ✓ The full history of actions taken, events, follow-ups, messages exchanged, response times and user feedback can be tracked via the system that helps in analysis and improvement of the helpdesk and call resolution functions.
- ✓ The Knowledgebase helps the helpdesk operators by providing vital information on standard solutions, past solutions history, approved solutions or best practices for faster resolution of calls
- ✓ The Service Level requirements tied to the category and priority of the calls generates multiple levels of email and SMS escalations to managers prior to the breach of SLAs resulting in excellent management of the helpdesk and high levels of customer satisfaction.




## Helpdesk & Knowledge Base – Features

- ✓ Online call booking, emails and tele-calling
- ✓ Register requests, Job Requests, Calls
- ✓ Priority assignment, nature of faults
- ✓ Assign, distribute, monitor
- ✓ Escalation based on standard SLA
- ✓ Recording of all events throughout the life cycle of a call
- ✓ Raise, Track and Close Work Orders
- ✓ Record solutions and post in Knowledge base
- ✓ Service Level Analysis
- ✓ Faults and Solutions history
- ✓ Fully indexed data for fast searching
- ✓ Simple and advanced search functions
- ✓ Call response analysis
- ✓ FAQs and Links
- ✓ Improves customer satisfaction
- ✓ Request Status Dashboard

## Reporting Request

- ✓ A simple form that is accessible in the intranet / website / portal is available for the users to submit any requests.
- ✓ Users can also send an email or call the helpdesk operator to report a request.
- ✓ Once the call is registered, the Call ID number is generated for future reference.

Request Summary*	Installation of Antivirus in Workstation 001		
Request Description*	Kindly install Antivirus in Workstation 001 - Machine ID - ICI452		
Requesting Resolution By Date / Time	17/03/2016	02:15 PM	
Organization*	SIERRA ODC Private Limited		
Site*	Coimbatore		
Building	Floor A		
Floor	Floor A Level 001		
Location Reference No.	ABLK001		
First Name*	Praveen	Last Name	Kumar
Email ID	praveen.s@sierra.com	Extension No.*	112
Mobile No.*	9851235468	Call Type*	Request
Email Alert	<input checked="" type="radio"/> Status Change <input type="radio"/> Completion <input type="radio"/> Resolve / Completion <input type="radio"/> No Alert		
SMS Alert	<input type="radio"/> Status Change <input type="radio"/> Completion <input type="radio"/> Resolve / Completion <input checked="" type="radio"/> No Alert		
Call Priority*	High		
Remarks*	Kindly Install Antivirus in Workstation 001 - Machine ID - ICI452 - Received approval from Mark Cavern (IT Head)		
 Type the characters in the image 6JELV8			
<input type="button" value="Register"/> <input type="button" value="Cancel"/>			

## Helpdesk Team Login

- ✓ The Helpdesk operator / team member will use the Helpdesk System to view the list of requests that is unassigned.
- ✓ The “requests by Status” screen displays all the calls after they log in.

**Requests By Status** Hide Filters -

Call Status:

Team:

Call Date:  All  Select

From:  To:

[Record New Request](#)

Calls:

Operator Priority:

Call Mode:

Page  / 2 Rows/Page   Total Rows  System View  Excel

	User Priority	Call ID	Call Status	Remaining Time	Work OrderNo.	Reported By	Phone / Extension No.
	High	CBEST4	Assigned	Expired	<a href="#">CreateWorkOrder</a>	Ravinath Singh	
	High	CBEST21	Assigned	Expired	CBEST64	Jai Nisha	0422265658/322
	High	CBEST3	Assigned	Expired	<a href="#">CreateWorkOrder</a>	Ravinath Singh	04228845646
	High	CBEST19	Assigned	Expired	<a href="#">CreateWorkOrder</a>	Karthiga Kumari	042654654565
	High	CBEST6	Assigned	Expired	CBEST52	Karthiga Kumari	042654654565

Call/Requests in process by other User

## Register/Record a Request

- ✓ All reported requests are registered
- ✓ Helpdesk operator assigns the requests to the helpdesk team
- ✓ Records new requests reported over email / telephone.

**Record Request**

Call ID [only on submitting]

---

**Location Details**

Call Mode\*  Organization\*

Location\*

Location Hierarchy CBEST → CBESTA-FLR → A-FLR-LVL01

Equipment\*

Equipment Hierarchy CBEST → CBESTA-FLR → CBESTA-FLR-LVL01 → AFLR-WS1001

---

**Reported by**

First Name\*  Last Name\*

Email ID\*  Phone / Extension No.\*

Mobile No.\*  Designation\*

Add to the Location Wise People List

## Register/Record a Request

eFACiLiTY®
Site Administrator

Help Desk
COIMBATORE - Central

- Requests By Status
- Search Requests
- Record Request
- Report Request
- Travel Request
- Knowledge Base
- FAQ Listing
- Links
- Reports
- Masters
- Administration
- Help Desk KPI

### Record Request

#### Call Details

Category*	Software Installation	Sub Category*	Antivirus
Request Summary*	Installation of Antivirus	Installation of Antivirus	<a href="#">Search KB</a>
Request Description*	Installation of Antivirus		
Team*	System Support Team	Team Member(s)*	ChandraSekar - 5
Operator Priority*	MEDIUM	Status*	Assigned
User Priority*	High	Call Type*	Request
Requesting Resolution By Date / Time*	13/01/2016 04:00 PM		Typical Resolution By
Email Alert	<input checked="" type="radio"/> Status Change <input type="radio"/> Completion <input type="radio"/> Resolve / Completion <input type="radio"/> No Alert		SMS Alert <input type="radio"/> Status Change <input type="radio"/> Completion <input type="radio"/> Resolve / Completion <input checked="" type="radio"/> No Alert

#### Attachments

Attachment	Add Attachments
------------	-----------------

Remarks\*

Kindly install Anti-Virus Software at the earliest, got approval from Mark (IT Head)

Save
Cancel
Save and Create Work Order

## Escalation Features

- ✓ Triggers the alert mails to the team or its members for assigning, responding and resolving calls.
- ✓ By default, Help Desk system fixes 30 minutes time interval for triggering the mails.
- ✓ Operator's priority master stores the time intervals. Every call is set to the operators' priority master when it is registered.

**Escalation Setup**

Team\*

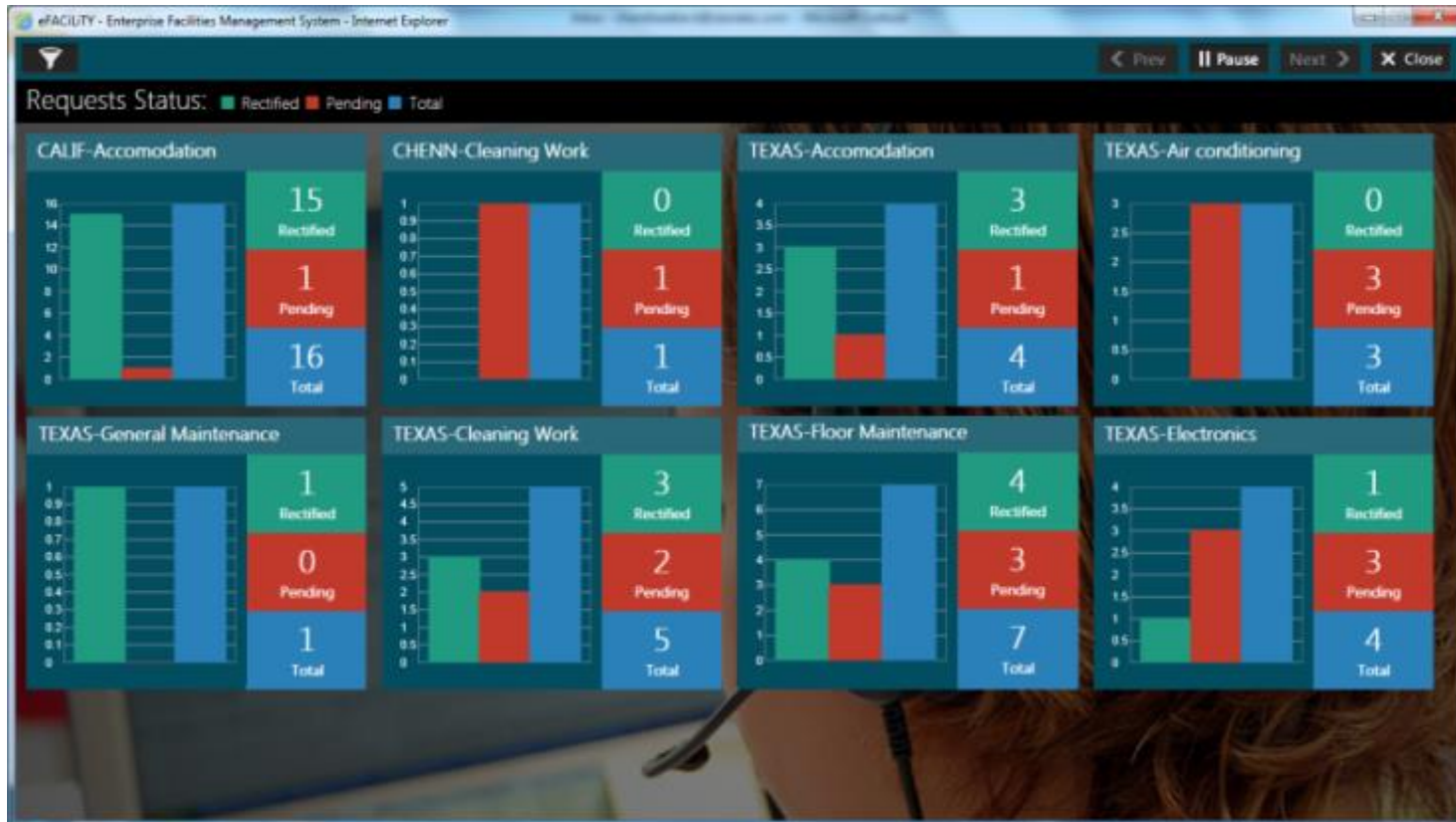
Operator Priority\*

	Alert For	Days	Hours	Minutes	Team / Individual	Escalate To	More
	Resolve	2.00	5.00	0.00	Individual	Venkatesh KP	More
	Assign	1.00	2.00	30.00	Individual	Naveena A	More
▶	Response	1.00	0.00	30.00	Individual	Divya Kumaran	More

Frequency\*  Hour(s)

## Request Status Dashboard

- ✓ The dashboard is developed using HTML 5 and supports multi-browser compatibility
- ✓ Displays total number of call request for each category
- ✓ Displays number of open call request and closed call request
- ✓ From the request status dashboard, the user can navigate to the respective call detail screen
- ✓ Auto refresh option is available





## eFACiLiTY® – Space Management System



### "Space planning, occupancy mapping and analysis"

- Manage space inventory
- Visually plan and allocate space
- Optimize space utilization
- Department / project wise occupancy analysis, charge backs



## eFACiLiTY – Space Management

- ✓ Space Management helps in ensuring effective and efficient use of space available in a facility.
- ✓ Space Management system helps in tracking the space available in the facility and allocate space to departments and employees in an efficient manner, track occupancy for utilization analysis and reporting, help in department or project or account wise charge back and accounting leading to an efficiently managed space.



## eFACiLiTY – Space Management Features

- ✓ Create and manage Space Inventory along with their AutoCAD floor-plans
- ✓ Assignment of space ownership to departments, accounts or projects
- ✓ Seat Allocation to employees based on department, account or project
- ✓ Provision for cross utilization of space across departments, accounts or projects
- ✓ Provision to allocate for specific time-slots, shifts and duration
- ✓ Attached facilities provision to view available facilities in the space
- ✓ Setup and manage Space Inventory visually by way of Floor-plans
- ✓ View utilization, occupancy, free space, allocate space and staff location search visually using floor-plans
- ✓ Extensive reporting capability to view
  - Occupancy by department, account or project or by space group
  - Free space by department, account or project or by space group
  - Utilization analysis by department, account or project or by space group
- ✓ Cross department, cross account or project wise charge back reporting
- ✓ Multi-site, multi-organization capability

## Space Management System

- ✓ Spaces Group
  - The Space available can be grouped by various Space Groups for the ease of identifying and categorization. The space groups required can be defined using this interface

**Space Group**

Space Group Code*	<input type="text" value="WS"/>	Description*	<input type="text" value="Work Station"/>
Space Type Icon	<input type="checkbox"/> Set Default Icon	<a href="#">Change Icon</a>	
Car Park	<input type="checkbox"/> Yes	Attached Facility	<input type="checkbox"/> Yes
Allow Refreshment	<input type="checkbox"/> Yes		
Allow Advance Booking	<input checked="" type="checkbox"/>	Before no of Days	<input type="text" value="5"/>

## Adding New Space

- ✓ New space can be added by the user or admin
- ✓ Space group, space administrator and seating capacity can be entered & also charges can be defined

Space Management > Space

Space ID \*

Description \*

---

**Floor**

Attach Floor Plan

Floor Plan

---

Organization \*

---

Space  Location \*

List in Facility Master

Child Allowed

Level \* Parent

Site

Building

Floor

Area

5th Level Component

6th Level Component

Attached to Department

Attached to Account

---

Space Group \*

Space Administrator

Seating Capacity \*

Bookable

Available to Other Organization  Yes  No

Apply Intervals Between Booking

Area  Sq feet

---

**Charges**

Booking Charges Per Month	<input type="text" value="15,000.00"/>	INR
Booking Charges Per Day	<input type="text" value="1,000.00"/>	INR
Booking Charges Per Hour	<input type="text" value="500.00"/>	INR
Cancellation Charges	<input type="text" value="500.00"/>	INR

## Visual Floor Plan

- ✓ Visual floor plan helps to locate each and every occupant/employee in the organization. The space occupied by every department will be highlighted over the floor plan thus the occupied and available space can be identified easily. The floor plan designer helps in representing a space over the floor drawing in a graphical manner and link the same to the respective space details

**Allocate / Book Space** Home Up TEXAS, Texas Building1 - Second Flo

**Status** ■ Not Allocated ■ Fully Allocated ■ Partly Allocated

**Work Station: Conference Hall**

Group : Colic Location : TEXAS Texas Building1 Second Floor  
 Capacity : 5 Attached Facility : Air Conditioner  
 Attached to Recruitment General

**Allocation Details**

Allocated to HR-General  
 01/01/2013 to undefined  
 12:00AM to 11:59PM

**Allocation Vs Occupancy**

5  
 NO

**Select Period**

Date From  Specify Date  
 13 May 2015 13 May 2015  
 Specify Time (hh:mm AM)  
 11:20 AM 12:05 PM

**Select Space Group**

Group : -- Display All --  
 Seating Capacity : 1  
 Attached To  
 Department : -- Display All --  
 Account : -- Display All --  
 Search

**Booking**

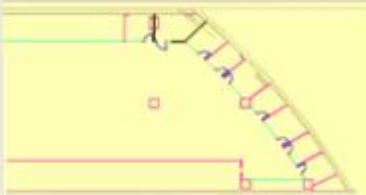


Visual Occupancy Screen

View Space Occupancy

[Home](#)
[Up](#)
TEXAS, Texas Ground Floor - Work St





Filter

Space Group: -- Display All --

Allocated To

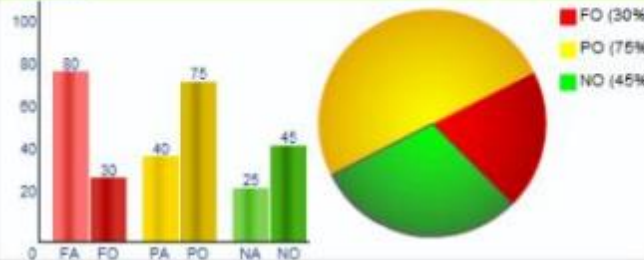
Department: -- Display All --

Account: -- Display All --

Search

Blink Selected

**Statistics**



FA	FO	PA	PO	NA	NO
80	30	40	75	25	45

**Desk51** TEXASWS\_DSKS1

Group : Desk Capacity : 3

Attached to

Allocation			Occupancy		
FA	PA	NA	FO	PO	NO
30	25	45	30	20	50
30%	25%	45%	30%	20%	50%

**Allocation Details**

Allocated to: Admin-Accounting

01/01/2015 to 31/12/2015

12:00AM to 11:59PM

Allocation Vs Occupancy: 0

3

NO

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## Space Management System

### ✓ Reports

- In eFACiLiTY – Space Management System provides a set of standard reports like
  - ✓ Occupancy by department, account or project or by space group
  - ✓ Free space by department, account or project or by space group
  - ✓ Utilization analysis by department, account or project or by space group
  - ✓ Cross department, cross account or project wise charge back reporting

## eFACiLiTY® – Facility Booking System



"Managing meeting room booking, approvals and billing seamlessly"

- Web enabled facility reservation
- Inviting internal & external attendees for meetings
- Car park reservation and visitor management integration
- Scheduling of refreshment orders to catering



## Facility Booking System

- ✓ eFACiLiTY's Facility Booking system helps streamlining of reservation and usage of common and individual facilities by businesses within a facility or building complex.
- ✓ The internet/intranet enabled facility booking, approval and billing operations across organizations enhances operations efficiency.
- ✓ Meeting rooms, conference halls, desk space, office space auditoriums, high cost equipments, training facilities etc. can be booked via the system.



## Facility Booking System

- ✓ Facilities Directory
- ✓ Online/Offline booking requests
- ✓ Visual booking using graphical interface
- ✓ Confirmation, rejection, suggestion of alternate facilities
- ✓ Re-allocation, cancellation
- ✓ Email / SMS notifications on requests, approvals and cancellation
- ✓ Utilization analysis
- ✓ Billing of reservations & cancellations
- ✓ Inviting internal & external attendees for meetings
- ✓ Scheduling of refreshments orders to catering
- ✓ Switch on/off HVAC and lighting automatically with BAS/BMS integration
- ✓ Active directory integration
- ✓ Pre-registration of attendees with visitor management
- ✓ Car park booking

## Quick Booking

- ✓ Quick booking allows user to book the facilities under any single facility type for any single date.
- ✓ This type of booking does not require more details from the user.
- ✓ Default time slots for full day booking can be set in the Global Settings.

**Quick**

---

**Facility Required**

Facility Required Date: 16/03/2016  Full Day Time: From 08:00 AM To 10:00 PM

---

**Select Facility**

Organization*	SIERRA ODC Private Ltd	Attached Facility Group	--Select--
Facility Group*	Auditorium		
Site*	TEXAS	Building	--Select--
Floor	--Select--	Seating Capacity	200

## Quick Booking

**Facility** Order Refreshments

Total Records :

Select	Status	Description	Charge(Per Hour)	Charge(Per Day)	Attached Facilities	Cancellation
<input checked="" type="checkbox"/>	A	MG Auditorium Hall	1500.00	25000.00		

< >

⏪ ⏩ ⏴ ⏵

Purpose of Booking:  Book For:  Staff  Others

Name\*:  Charge Duration Type:  Daily  Hourly

Remarks:

## Advanced Booking

- ✓ Advanced Booking facilitates the user to book single or multiple facilities for single or multiple dates.
- ✓ The current user can place the booking request on behalf of the other user in the active directory.
- ✓ Scheduling of Refreshments Orders to Catering for the meeting is possible .
- ✓ Addition of the facility belongs to various facility types is possible.

**Advance**

Booking ID [Assigned only upon submission]

Date From  To  Frequency  Everyday  Selection of Different Days and Time

**Time**

Full day From Time  To Time

Purpose of Booking

Book For  Staff Name

Department  Account

Select	Status	Description	Charge(Per Hour)	Charge(Per Day)	Cancellation Charge	Booking Status	Atta
<input checked="" type="checkbox"/>	<span style="background-color: green; color: white; padding: 2px;">A</span>	Conference Hall -02				Pending	
<input checked="" type="checkbox"/>	<span style="background-color: green; color: white; padding: 2px;">A</span>	Conference Hall -04				Pending	

Charge Duration Type  Daily  Hourly

Remarks


## Visual Floor Plan Booking


- ✓ Floor Plan Booking is the easy way of booking using the graphical interface.
- ✓ Floor Plan Booking makes the booking very easier just by displaying any required floor plan and selecting the required facility.
- ✓ For a single day booking, accessing the floor plan booking link through quick booking.
- ✓ For recursive booking, accessing the floor plan booking through advance booking
- ✓ Selecting location of the floor plan using drop down.
- ✓ Displaying of available facilities are in green and not available facilities in red.
- ✓ Display of Facility icons on the floor plan according to the date / time and availability status specified.
- ✓ Display of facility details under the description column.
- ✓ Zooming the floor plan by moving the slider to left and right.



# Visual Floor Plan Booking Screen

Floor Plan Booking
TEXAS - Eighth Floor





Select Period

**From Date**

13 May 2015

**To Date**

13 May 2015

**From Time**

08:00 AM

**To Time**

05:00 PM

(hh:mm AM/PM)

Full Day

Select Facility Group

Building: ▼

Seating Capacity: < 1


Attached Facility: Mike ▼

Search

Booking

**Status**

■ Available    ■ Provisional    ■ Not Available

Description	Meeting Hall1	Booking Details	Photos
<b>Group</b>	Meeting Hall	<b>Booking Status</b> Approved	
<b>Location</b>	TEXAS, Eighth Floor	<b>Booked By</b> Site Administrator	
<b>Seating Capacity</b>	100	<b>Mobile No</b> 9876543210	
<b>Required Approval</b>	Yes	<b>From Date</b> 13 May 2015 10:00:00	
<b>Attached Facility</b>	Nil	<b>To Date</b> 13 May 2015 12:00:00	
<b>Photo Name</b>	262_1_m1.png		

## eFACiLiTY® – Visitor Management System



"Visitor Registration and Tracking made simple and secure"

- Online requests for appointments
- Pre-registration of groups/individual visitors
- Business card scanning for speedy registration
- Photo & Signature capture integration



## Visitor Management

- ✓ The security requirements of large organizations and infrastructures are challenging and growing increasingly.
- ✓ Visitors should be screened, registered, signed in quickly and allowed to visit only the relevant areas via integration with access control devices.
- ✓ These challenges are managed efficiently by eFACiLiTY's Visitor Management system



## Visitor Management Features

- ✓ Online requests for appointment
- ✓ Appointment approval and rejections
- ✓ Pre-registration of groups and individuals
- ✓ Email notifications on requests, approvals and rejections
- ✓ Today's appointments and expected visitors
- ✓ Visitor self sign-in using touch screen kiosks & Visitor sign-out
- ✓ Business card scanning for speedy registrations
- ✓ Visitor history tracking & Blacklisting of visitors
- ✓ Visitor photo capture & Visitor signature capture

## Visitor Management Features

- ✓ Smartcards / e-Passports integration
- ✓ Items carried in/out scanning
- ✓ Visitor badge & Gate pass printing
- ✓ Visitor badge & Gate pass designer
- ✓ Vehicle Entry Permit
- ✓ Gate Pass Request / Approval
- ✓ Returnable items tracking
- ✓ MS Exchange / MS Outlook integration for appointments calendar
- ✓ Access control system / Turnstile gates integration
- ✓ Central implementation to monitor sites across geographies

## Appointment Request Screen

**Appointment Request**

Host Organization\* SIERRA ODC Private Limited

Site\* TEXAS

**Visitor Details**

Visitor Category\* Vendors

Visitor First Name\* John

Visitor Last Name Davickson

Visitor Nationality India

Company (for unemployed / without company, please put "--") JDR Groups

**ID Proof**

Document Type\* Driver`s Licence

Date of Expiry 05/02/2018

ID No.\* BHF54645643

Date of Issue 05/02/2012

Place of Issue New Delhi

## Appointment Request Screen

Place of Issue

**Host/Staff Details**

Appointment Sought with Host/Staff\*

Host/Staff Hand Phone  Host/Staff Extn No.


Appointment Sought Date & Time\*  
From   To

Purpose of Visit\*

Group Visit

Phone No.

Email ID

Type the characters in the image 

[Register Request](#) [Cancel](#)

## Pre-register a Visitor Screen

### Pre-registration

Pre-Registration Details	Items Carried In			
Pre-Register For	Site Administrator	SA		
Host/Staff Hand Phone	4354654645			
Host/Staff Extn No.				
Site	TEXAS			
Visitor Category*	Contractors			
Visitor First Name *	Dinesh	Select Clear		
Visitor Last Name	Krishnan			
Visitor Nationality	India			
Company	Infres Methodex			
Note: For unemployed / without company, please put "--"				
<b>Attach File</b>				
Choose File No file chosen Upload				
<table border="1"> <thead> <tr> <th>File Name</th> </tr> </thead> <tbody> <tr> <td>Curriculum Vitae.docx</td> </tr> </tbody> </table>			File Name	Curriculum Vitae.docx
File Name				
Curriculum Vitae.docx				
Remove View				
<b>ID Proof</b>				
Document Type*	Driver`s Licence	Date of Expiry 07/03/2016		
ID No.*	DL/1427358549/2008	Date of Issue 07/03/2016		
Place of Issue	Coimbatore			

Cont.,

## Pre-register a Visitor Screen

**Vehicle Details**

Driver Name	Vehicle Reg. No.	Make & Model	Pass Start Time	Pass End Time
Dinesh	TN 07 2333	Mahendra & 2004	12:05 PM	01:05 PM

Purpose of Visit:

Group Visit:

Phone No.:

Email ID:

Instruction to Reception/Security Type:

Appointment Type:  One Time Entry  Recurrence Type

Appointment Date & Time\*  
 From:   To:

Recurrence Start Date:  Recurrence End Date:

Frequency of Visit:  Daily  Days of Week

Appointment Time: From  To

**Days of Week**



<input type="checkbox"/> Sunday	From <input type="text"/> To <input type="text"/>	<input type="checkbox"/> Monday	From <input type="text"/> To <input type="text"/>
<input type="checkbox"/> Tuesday	From <input type="text"/> To <input type="text"/>	<input type="checkbox"/> Wednesday	From <input type="text"/> To <input type="text"/>
<input type="checkbox"/> Thursday	From <input type="text"/> To <input type="text"/>	<input type="checkbox"/> Friday	From <input type="text"/> To <input type="text"/>
<input type="checkbox"/> Saturday	From <input type="text"/> To <input type="text"/>		







## Visitor Sign-In Screen

### Visitor Sign In

Visitor Details
Items Carried In

**Personal Details**

Visitor Sign-In ID	<input type="text" value="[Visitor Sign-In ID]"/>	Visitor Category*	<input type="text" value="Contractors"/>
Visitor First Name*	<input type="text" value="John"/>	Visitor Last Name	<input type="text" value="Davickson"/>
	<span style="background-color: #2980b9; color: white; padding: 2px 5px;">Select</span> <span style="background-color: #27ae60; color: white; padding: 2px 5px;">Clear</span>	Gender*	<input checked="" type="radio"/> Male <input type="radio"/> Female
Phone No.	<input type="text" value="09895456465"/>	Email ID	<input type="text" value="john@gmail.com"/>
Appointment Schedule Date & Time*	From <input type="text" value=""/> <input type="text" value=""/>	To	<input type="text" value=""/> <input type="text" value=""/>
Address*	<input type="text" value="320,TNAU&amp;SBI,MTP Road,Coimbatore-7"/>		
Photo			
	Signature		
Company	<input type="text" value="JDR Groups"/>	Job Title	<input type="text" value="Ass Manager"/>
	<small>Note: For unemployed / without company, please put "--"</small>		
Visitor Nationality	<input type="text" value="India"/>		

-   
 Scan Bizcard
-   
 Scan MyKad
-   
 Take Picture
-   
 Attach Picture
-   
 Capture Signature
-   
 Check Black List



## Visitor Sign-In Screen

**ID Proof**

Document Type\* Driver's Licence      Date of Expiry 05/02/2018

ID No.\* BHF54645643      Date of Issue 05/02/2012

Place of Issue New Delhi

**Attach File**

Attach File Choose File No file chosen Upload

	File Name
▶	PrintReceipt.html

Remove
View

**Vehicle Details**

Vehicle Details

	Driver Name	Vehicle Reg. No.	Make & Model	Pass Start Time	Pass End Time
▶	John	TN 07 2333	mahendra & 201	02:00 PM	03:30 PM

Add
Delete

**Host Details**

Group Visit       Purpose of Visit Meeting

Host Organization\* --Select--

Host/Staff\* Prateek Goyal Select prateek.goyal

Host/Staff Hand Phone 0884564564      Host/Staff Extn No. 2365

Approver

Badge / Tag No. --Select--

Send Email to Host

Send SMS to Host

**Sign In**

Check Black List

Visitor Badge

Gate Pass

Vehicle Pass

Sign-in & Print

Display To Visitor

Cancel

## Visitor Badge

- ✓ Sample Visitor Badges
- ✓ Visitor Badge Designer



A sample visitor badge for Elizabeth, a Support Executive at SIERRA ODC Private Limited. The badge includes a photo of Elizabeth, a 'Visitor Pass' label, the First Indian Corporation logo, and a barcode. The details listed are: Badge No. 1010, Name Elizabeth, Category Support Executive, Address Diamond Plaza, Coimbatore, Tamil Nadu, Company SIERRA ODC Private Limited, To Meet Admin, and Date & Time 05-Jan-2010 11:00 AM. A Security Signature field is also present.

	<b>Visitor Pass</b>		<i>First Indian Corporation Private Limited</i>
Badge No. :	1010		
Name :	Elizabeth		
Category :	Support Executive		
Address :	Diamond Plaza, Coimbatore, Tamil Nadu		
Company :	SIERRA ODC Private Limited		
To Meet :	Admin		
Date & Time :	05-Jan-2010 11:00 AM	Security Signature	



A second sample visitor badge for Elizabeth, identical in content to the first. It features the First Indian Corporation logo at the top, a 'Visitor Pass' label, a photo of Elizabeth, a barcode, and the same personal and company details: Badge No. 1010, Name Elizabeth, Category Support Executive, Address Diamond Plaza, Coimbatore, Tamil Nadu, Company SIERRA ODC Private Limited, To Meet Admin, and Date & Time 05-Jan-2010 11:00 AM. A Security Signature field is also present.

	<i>First Indian Corporation Private Limited</i>
<b>Visitor Pass</b>	
	
Badge No.:	1010
Name :	Elizabeth
Category :	Support Executive
Address :	Diamond Plaza, Coimbatore, Tamil Nadu
Company :	SIERRA ODC Private Limited
To Meet :	Admin
Date & Time :	05-Jan-2010 11:00 AM
Security Signature	

## eFACiLiTY® – Time and Attendance System



"Rostering, attendance tracking and leave processing at ease"

- Shift management and Roster generation
- Leave application processing workflow
- Track time-in and time-out of Personnel
- Overtime calculation and reporting

## Time and Attendance

- ✓ The Time and attendance system of eFACiLiTY provides improved efficiency, accuracy and productivity to the resource management and pay-roll process of organizations.
- ✓ This system has the roster management module inbuilt and integrates with the time & attendance and access control hardware systems to provide attendance, late clocking exceptions, overtime information of employees to the HR, Payroll and their respective departments.



## Time and Attendance – Features

- ✓ Employee profile
- ✓ Shift management and Roster generation
- ✓ Roster approval and re-assignment
- ✓ Employee / Department shift calendar
- ✓ Track time-in and time-out of every personnel
- ✓ Overtime calculation and reporting
- ✓ Leaves requests, approvals workflow
- ✓ Permissions / on-duty requests, approvals workflow
- ✓ Integration with multiple access control systems
- ✓ Integration with other HR / Payroll Systems
- ✓ Mobile SMS based clock-in/out and leave requests
- ✓ Employee Tracking within the facility
- ✓ Late clock-in, early clock-out and other exceptions list

## Time and Attendance – Features

- ✓ SMS Attendance System with provision for
  - In/Out Time Clocking
  - Leave/Permission Requests
  - Interactive & Automated “Help” replies to users
  - SMS Attendance Clocking Report
- ✓ Expiry Period Configuration for Compensatory Off leaves
- ✓ Include/Exclude Weekends and Holidays for Compensatory Off leaves
- ✓ Real time “Footer Alerts” for supervisors and administrators to quick check requests pending for their approval
- ✓ Enhanced Remainder Email Configuration for Exceptions and Approvals
- ✓ Control advance leave application
- ✓ Bulk approval of employee exceptions and leave/permission requests
- ✓ Improved report filters & optimized data binding methods for faster reporting
- ✓ Interactive & Automated “Help” replies to users via SMS

## Roster Generation Screen

Time and Attendance > Roster

List:  Type:

Employee Type:

Select All  Deselect All

Total number of records - 69

	Department	Staff Name	Staff ID.
<input type="checkbox"/>	P&O	Brian Ayling	40036464
<input type="checkbox"/>	P&O	Calida Dias	6443805
<input type="checkbox"/>	P&O	Firas Mouzayek	40257125
<input type="checkbox"/>	P&O	Khaldoun Al Salal	40246850
<input type="checkbox"/>	P&O	Michael Trindade	40228888

Action:  Assign  Un-Assign Assign for holiday:  Yes  No

Shift:

Shift Period:  From:  To:

Monday  Tuesday  Wednesday  Thursday  Friday  Saturday  Sunday

Apply for:  All  Only Un-Assigned  Only Already Assigned

## Staff Tracking Screen

### Track Staff

**Note :**

- 1) Check "Select current time" to search current location for one or more staff.
- 2) Uncheck "Select current time" and select date/time range to track movement of one or more staff with reference to a particular location or irrespective of any particular locations.

**Date & Time**  Search for current time  
(uncheck to select a range)

**From** 30/03/2016 11:33 AM **To** 30/03/2016 12:33 PM

**Organization** --Select-- **Department** All

**Division** All **Unit** All

**Staff**  All  Select

**Filter By**

Terminal Description  Door/Terminal

All Any

Both  In  Out

**Location**

**Level**  Site/Building  Location/Floor  Component/Room

Select All All All

**Group By**  Terminal  Location



## Leave Management

- ✓ Permission Application
  - Provision to apply permission
  - Permission can be applied by staff with shift assigned
  
- ✓ On Duty/Comp-Off Application
  - Provision to apply comp-off
  - Available comp-off leaves are automatically calculated based on staff attendance
  - Option to configure Expiry Period for Compensatory Off leaves
  - Provision to Include or Exclude Weekends/Holidays for Compensatory Off leaves calculation

## Leave Management

### ✓ Leave Application

- Provision to apply Leave
- Available leaves are automatically calculated based on staff attendance
- Provision for administrators to control advance leave application

Leave/Permission/On Duty Request

Leave
  Permission
  On Duty/Comp-Off

Requested By: **Site Administrator**
 Application Date: **30/03/2016**

Date & Time<sup>+</sup>
 From: 31/03/2016  First Half 
 To: 31/03/2016  Second Half

Leave Type<sup>+</sup>: 
 Number Of Days: **1.00**

Reason:

Leave Status	Total Available	Consumed	Applied & Pending Approval	Balance
Eligible Leave	2	0	1	1
Carry Forward Leave (Expiry By)	0	0	0	0

## Leave Management

### ✓ View My Calendar

- View shift details from View My Calendar section
- Shift assignments done are highlighted
- Shift names and hours are shown when mouse is moved over
- Raised and Cleared exceptions are shown
- Provision for staff to apply reason for exceptions
- Provision for the line managers to see the employee's exception/Leave Available data in view my calendar
- Color indications for the unapproved shifts and approved leaves.

## Leave Management

- ✓ View My Calendar

Michael Trindade
March
2016

<
March 2016
>

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 OS	2 OS	3 OS	4	5
OS 6	OS 7	OS 8	OS 9	OS 10	11	12
13 OS	14 OS	15 OS	OS 16	OS 17	18	19
20 OS	21 OS	OS 22	23 OS	OS 24	25	26
27 OS	28 OS	29 OS	30 OS	31 OS		

Today : 25-03-2016
07:15:47 PM

■ Exception  
■ Reason Entered  
■ Un Approved Shifts

■ Reason Entered Not Approved  
■ Leave  
■ Holiday and Shift Assigned

Apply Reason

### Current Year Leave Status

Leave Type	Carried Forward	Eligibility	Carry Forward Consumed	Eligible-Consumed	Balance Available
Annual Holiday	5.0	30.0	5.0	7.0	23.0
Addl Maternity Leave	0.0	90.0	0.0	0.0	90.0
Other-Long Term Sick	0.0	0.0	0.0	0.0	0.0

### Attendance Exception - 24 Mar

Exception	Exception Statu	Reason	Approval Statu
Early Clock-Out	Not Cleared		

## eFACiLiTY® – Tenant Billing System



### "Automate your tenant utilities billing"

- Manage property, tenant, owner and lease information
- Zone wise charges on different parameters
- Automatic meter reading via BMS and manual option
- Automatic bill generation

## Tenant Billing System

- ✓ Tenant billing system captures the resources utilization data of tenants directly from the corresponding meters using the BMS/BAS systems and generates bills automatically based on the utility wise slab wise billing rates defined. The fixed service charges, monthly rentals, maintenance fee etc can also be defined tenant /property wise.
- ✓ The system also maintains the lease details, contract agreements and other property related information. At the end of the billing cycle, the bills are auto generated and emailed to the tenants automatically without needing any manual intervention.



## Tenant Billing System - Features

- ✓ Manage property, tenant, owner, lease and contract information
- ✓ Tenant move-in, subscription for services/utilities, move-out
- ✓ Setting up of rate card - service wise, slab wise, property group wise etc.
- ✓ Rate card settings for normal hours, peak hours, after hours, override hours, holiday / weekend hours etc.
- ✓ Automatic meter reading via BMS/BAS systems
- ✓ Import of meter readings or manual input
- ✓ Automatic bill generation and mass emailing / printing
- ✓ Tenant payments and credit notes tracking
- ✓ Bill wise matching of payments and credit notes
- ✓ Bill registers, tenant ledgers, receivables statement
- ✓ Tenancy/ Service Contract
- ✓ Occupancy / vacancy Analysis
- ✓ Occupancy Dash Board, Service Consumption Dash board
- ✓ Reminders for lease contracts nearing expiry
- ✓ Integration with other financial applications

## Zone Wise Charges

- ✓ Service charges, Overriding utilization charges, Slab wise Unit charges

Tenant Billing System > Zonewise Charge

Tenant zone*	East Zone	Service Group	Electric
Service 1*	Electricity	Service 2	--Select--
Unit Name*	Units	Tax ID	Service Tax
Setup / Onetime Upfront Charges	5000.00 INR	Effective Date	03/03/2016
Consumption Slab	<input checked="" type="radio"/> Monthly <input type="radio"/> Annual	Starting Month / Year	April 2016
Flat Fee / Unit	20,000.00 INR	Service Fee	500.0000 INR

---

**Peak Demand**

Peak Demand Minimum Chargeable Units		Peak Demand Charges / Unit		INR
Peak Demand Unit Name				
Standard Instructions to print on Bill				

---

Normal Hours | After Hours | Override Hours | Weekend Hours | Holiday Hours

Time1: From 12:00 AM To 11:59 PM | Time2: From To

Sr.	From Unit	To Unit	Charge per unit (INR)
1	0	500	220.00

Add Delete

Above 500\*  INR

Save Cancel Delete



Tenant Bill



INVOICE

**Billed To:**

Pacific Brands  
 Level 3/290 Burwood Rd  
 Hawthorn  
 Vic  
 Australia

Invoice No.: 10004  
 Invoice Date: 05-11-2014  
 Period: From: 01-09-2014  
 To: 30-09-2014

Sn.	Property	Service	Service Type	Opening Reading	Closing Reading	Consumption	UOM	Amount	Tax	Currency	Total
1	Barrington Lakes	Electricity	Meter Manual	2,825.00	5,925.00	3,100.00	EL01	17,600.00		Rs.	17,600.00
2	Barrington Lakes	Regular Maintenance	Fixed	0.00	0.00	0.00		0.00		Rs.	0.00

**GRAND TOTAL: Rs. 17,600.00**  
 (SEVENTEEN THOUSAND SIX HUNDRED & 00/100 ONLY)

SIERRA ODC PRIVATE LIMITED  
 Coimbatore  
 Phone No.:0880321545  
 Email:chandrasekar.k@sierratec.com

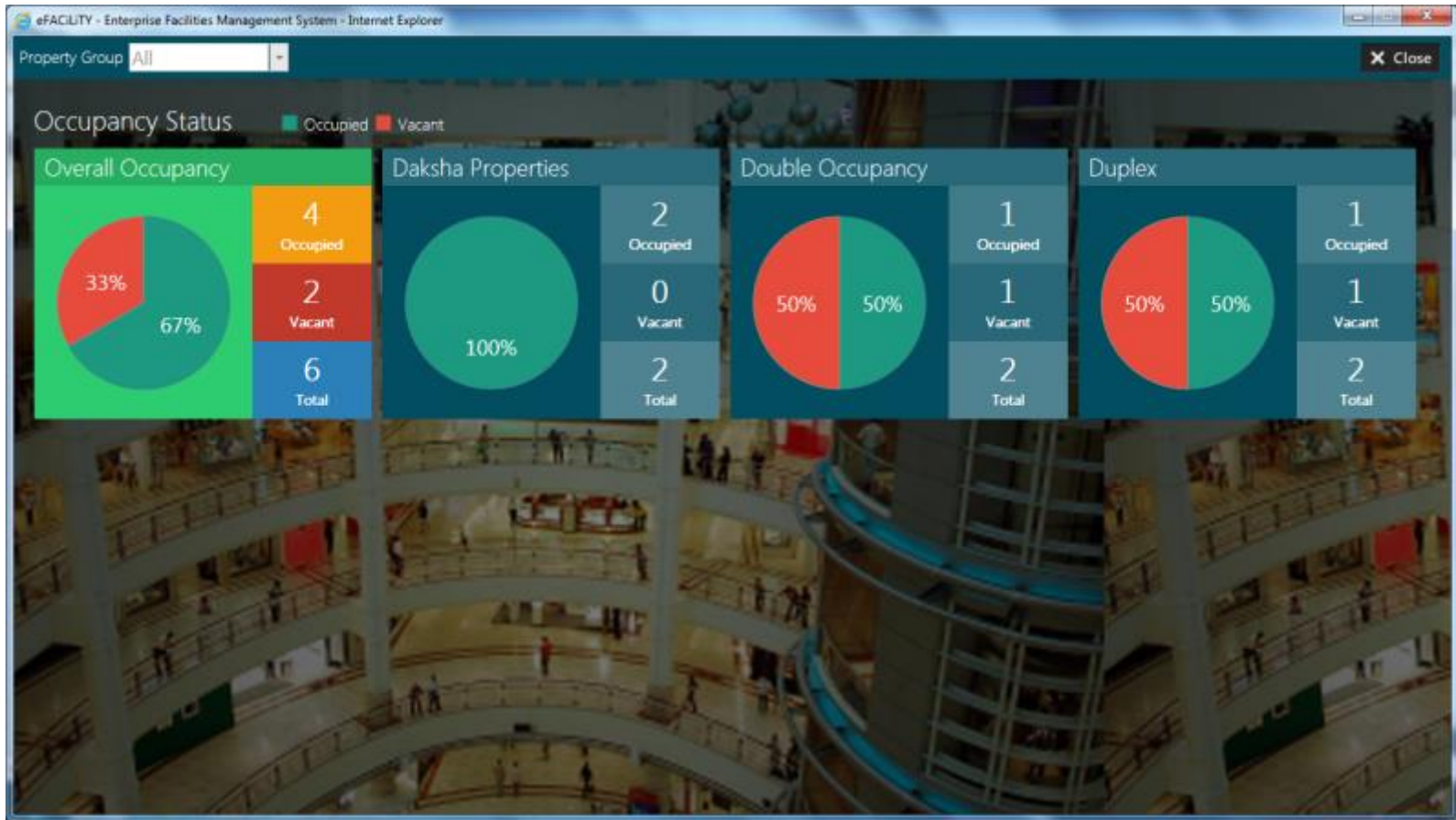
Invoice No: 10004

Run Date : 03/02/2015

Page 1 of 3

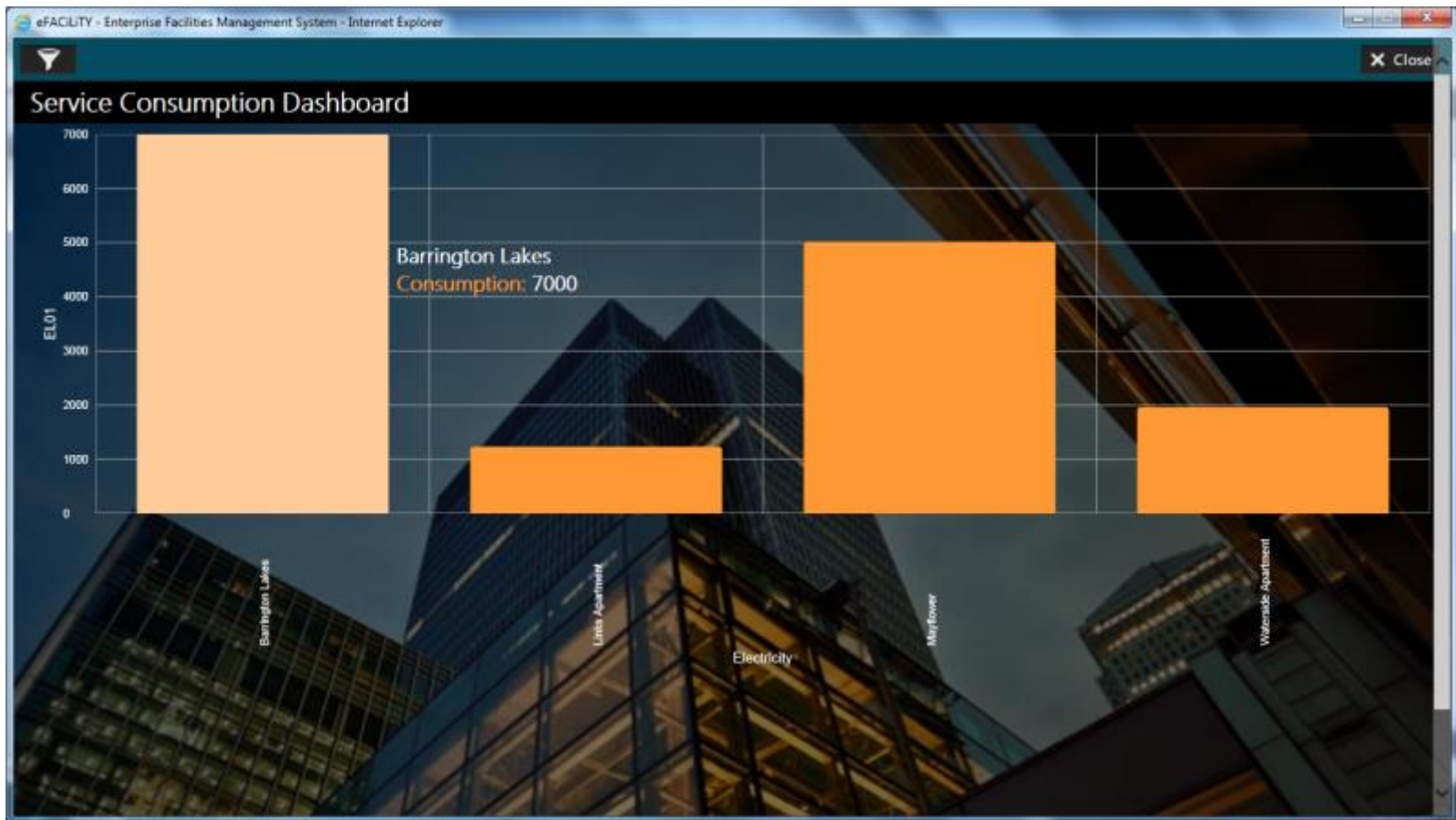
## Occupancy Dash Board

- ✓ Occupancy Dashboard to view the Occupancy Status (Occupied/Vacant) of all Properties in a Single Click
- ✓ The dashboard is developed using HTML 5



## Service Consumption Dash Board

- ✓ Displays consumption details of each service against tenant zone, property group and property for any selective date range.
- ✓ The dashboard is developed using HTML 5



## eFACiLiTY® – Project Management



“Plan, Track & monitor your project costs, tasks and schedules”

- Task identification and management
- Resource and schedule planning and projection
- Budget, actual and projected costs
- Dashboards & analytics



## eFACiLiTY – Project Management

- ✓ eFACiLiTY -Project Management helps in tracking the progress of all the tasks in a project and monitor performance of all the executives involved in the project
- ✓ Integrated project management system maintains all project details and time sheets, which aids to generate the analysis report.
- ✓ Project Planning and Tracking the details of the Project Tasks - a detailed breakdown of tasks to be completed, Task assignments, identifying who is responsible for which aspect of the project.



## eFACiLiTY – Project Management Features

- ✓ Project Planning
- ✓ Track the details of the Project Tasks and Review of Project Status.
- ✓ A time estimate for each task, Links between dependent tasks
- ✓ Managing the tasks - Ability to define a task, assign it to someone, create a deadline
- ✓ Sharing and Collaborating on Documents and Calendars and Contact Lists, Managing Issues or Bugs, Track the details of the Project Tasks
- ✓ Review of Project Status. The project Status can be viewed instantly with Hours consumed so far and Projected Hours.
- ✓ Dashboard view of Task Summary, Current Overrun and Projected Overrun
- ✓ Allows data to be exported to text files, spread sheets, Email notifications and alerts
- ✓ Various reports provided
  - My Time Sheets
  - My Performance Index
  - Team Time Sheets
  - Team Performance Index
  - Time Sheet Report

## eFACiLiTY – Project Management

- ✓ Provision to enter and update Project details
- ✓ Details stored with site information
- ✓ Role wise approved estimate and target hours for the project, Actual consumption and projected end date

**Project**

Project Code *	CNT00025	Release Reference *	DT-001-TRA
Project Name *	Expense Control System	Client *	CRISIL Pvt Limited
Project Stage *	Requirment Analysis	<input checked="" type="checkbox"/> Planning Required	
Priority *	High	Project Manager *	Abdul Rahman
Release Control *	Prateek Goyal	Project Leader *	Jagan Reddy
Type *	New Project	Parent Project	

**Overall Schedule**

Committed Start Date *	01/01/2016	Committed End Date *	30/06/2016
Target Start Date *	15/01/2016	Target End Date *	20/06/2016
Projected End Date *	20/08/2016		

Resources Allocated \*

Vijayakumar S, Vinodkumar s, Vishnu, Yuvaraj Add

Project Status \* Assigned 60.00 %Complete

**Effort in Hours**

Role Type	Approved Estimate	Target Hours	Hours Allocated so far	Actual Consumed	Balance	Projected
Project Manager	96	72	0	0	72	0

Add Delete

Save Cancel

## Project List

- ✓ New project shall be added and provision to search the projects
- ✓ Project assigned to the staff's and their current stage can be viewed
- ✓ Records shall be filtered based on 'Resource Allocation'

**Project**

Client: All | Priority: All

Stage: All | Status:  Assigned  Closed - Cancelled

Assigned To: All

[Search](#)

---

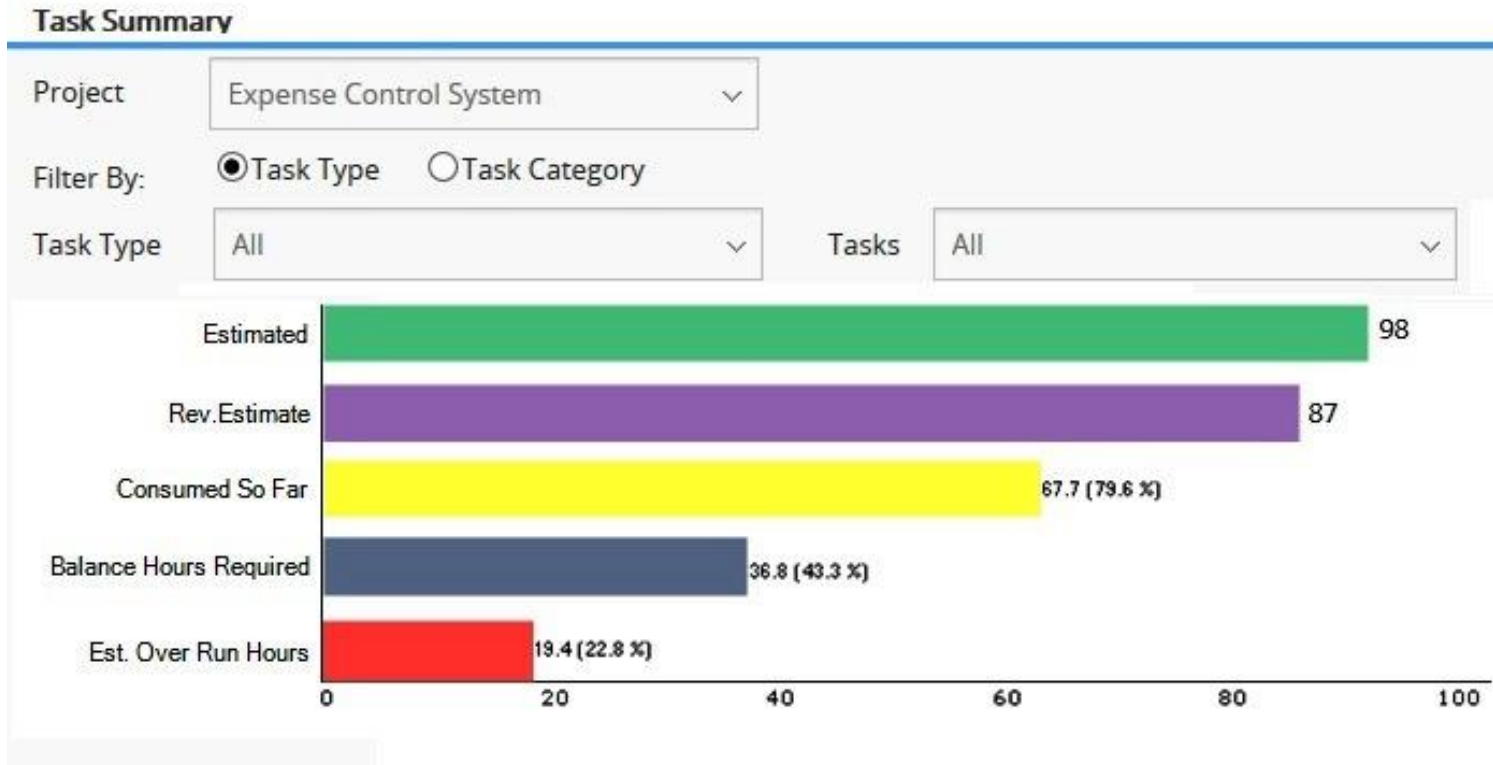
[+](#) Page 1 / 1 Rows/Page 15 [➔](#) Total Rows 2 System View [Edit View](#) [Excel](#) [🖨](#) [🔒](#) [Re-Print](#)

Code	Name	Priority	Stage	Status	% Complete	Client
▼	▼	▼	▼	▼	▼ 5	▼
CNT00025	Expense Control System	High	Requirment Analysis	Assigned	60.00	CRISIL Pvt Limited
NP00001	Network Partioning	Medium	1st Stage	In Progress	60.00	CRISIL Pvt Limited



## Task

- ✓ Provision to enter the task details for a Project.
- ✓ Helps to add and assign the tasks to resources.
- ✓ Resource availability checking via Add Resource,
- ✓ Provision to calculate percentage of completion of the project



Task

**Project Management > Task**

Serial No. \*  Project \* Expense Control System

Task Type \* Quality Assurance Task Category \* Audit

Parent Task

Task Description \* Verify the Control System logics and Functionality

Remarks

Effort Estimate   Hours  Days Revised Estimate   Hours  Days

Committed Start Date\* 25/02/2016 Committed End Date\* 15/03/2016

Target Start Date\* 01/03/2016 Target End Date\* 08/03/2016

Task Priority\* Very High  Unplanned

Task Status \* Assigned  %Complete Balance Hours Required  Hours

Task Status Remarks

Role Type \* Supervisor

**Task Resources**

Staff Name	Department	Roles	Contribution %
Vignesh Kumar	Quality Assurance		60
Vinodkumar s	Quality Assurance		40

Predecessors

Milestone

**Time Sheet**

Time Sheet Id	Date	From Time	To Time	Hours	Staff Name	Task Status	Remarks

## Reports – My Time Sheet

- ✓ My time sheet report shall be a bar chart displaying number of hours submitted in Timesheet vs. not submitted Timesheet
- ✓ It shows the total in hours in a day
- ✓ Total work log submitted hours and difference



## eFACiLiTY® – Travel Requests Management System



"Track and manage all travel related requests"

- Register Travel Requests
- Booking, canceling and re-issuing options
- Approval over email / mobile devices
- Chargeback cross-department, cross-account/project

## eFACiLiTY – Travel Requests Management

- ✓ eFACiLiTY – Travel Requests Management System helps the travel desk to track and manage all travel related requests like air ticket reservation, visa processing, foreign currency purchase, hotel reservations, car rentals etc., handle approval processing and raise orders to vendors



## Travel Requests

- ✓ With the help of travel request form end user can register a travel request with the required services.
- ✓ User priority options will be available for end user (employee) to select the priority of the request.
- ✓ After completion of the registration Travel Request Registered” email will be triggered to requestor and Cc to travelers.

### Travel Management System > Travel Request

Travel Request No.	[only on submitting]	Logged Date & Time
Raised By	Arjun Kumar	Type <input checked="" type="radio"/> Booking <input type="radio"/> Cancellation <input type="radio"/> Re-issue/Amend
User Priority	Emergency	Travel Type <input checked="" type="radio"/> Domestic <input type="radio"/> International
Operator Priority	Immediate	

#### Traveller Details

Employee ID	Name	ID	Age	Gender	Mobile	Department	Organization	Loc
--	Yuvaraj	yuvaraj.p	50	1	9856471247		SIERRA ODC Private Ltd	
--	Akalya	akalya.k	35	1	9876543210		SIERRA ODC Private Ltd	

Add Edit Delete

Cont.,

## Travel Requests

### Service Details

S.No	Service Category	Service Sub Category	Remarks	Forex Settled	Forex Return Date
1	Accomodation	Service Appartment		<input type="checkbox"/>	
2	CAB	CAB		<input type="checkbox"/>	

Add
Edit
Delete

Department* <input style="width: 90%;" type="text" value="Maintenance Department"/>	Account Code <input style="width: 90%;" type="text" value="MD0001-EXP-INT"/>
Reporting Manager* <input style="width: 90%;" type="text" value="Manish Boricha"/>	Billable <input style="width: 90%;" type="text" value="Billable"/>
Level 1 * <input style="width: 90%;" type="text" value="Rajendra Gupta"/>	Client* <input style="width: 90%;" type="text" value="Mahindra Industries"/>
Level 2 <input style="width: 90%;" type="text" value="Alex Stephen"/>	
Level 3 <input style="width: 90%;" type="text" value="Jamesh Cameroon"/>	
RM Approve/Reject Remarks <input style="width: 98%; height: 30px;" type="text"/>	
Level1 Approve/Reject Remarks <input style="width: 98%; height: 30px;" type="text"/>	
Level2 Approve/Reject Remarks <input style="width: 98%; height: 30px;" type="text"/>	
Level3 Approve/Reject Remarks <input style="width: 98%; height: 30px;" type="text"/>	

Register
Cancel

All rights reserved © SIERRA ODC Private Limited



## eFACiLiTY – Travel Management Features

- ✓ Web interface Travel Requests
- ✓ Register travel requests along with individual preferences
- ✓ Combined request for ticketing, visa, hotel & cab reservations, foreign currency purchase etc.
- ✓ Cost estimates for approval
- ✓ Multi-level / multi-department approval workflow management
- ✓ Raising work orders for vendors
- ✓ Service fulfillment
- ✓ Booking, canceling and re-issuing options
- ✓ Chargeback cross-department, cross-account/project
- ✓ Extensive reporting and integration with financial applications
- ✓ Approval over email / mobile devices
- ✓ Pending cost entries
- ✓ Service Category wise approval
- ✓ Service category wise custom templates for capturing service specific information for each request



## eFACiLiTY® – Mail Room Management System



"Software to support your mail room management needs"

- Easy tracking of the outgoing and incoming consignments
- Provision to generate barcode for the consignments
- Triggering of alerts on receipt / delivery

## Mail Room Service

- ✓ eFACiLiTY Mail Room Manager helps the mail room operations of large office complexes to track the outgoing and incoming consignments till the same is delivered.
- ✓ The delivery status is monitored and recorded and thereby the service level of the service provider is analyzed and SLA violations are reported. The system also provides the invoice generation feature for the consignments handled

The screenshot displays the eFACiLiTY Mail Room Service dashboard. The interface features a blue header with the eFACiLiTY logo, a navigation menu, and a search bar. The main content area is divided into three sections: a grid of mailboxes, a delivery person carrying boxes, and a modern office building. The dashboard includes a sidebar with the following menu items: Mail Room Service (expanded), Consignments, Reports, Masters, Complaints / Feedback, and Configuration. The top right corner shows the user is logged in as Site Administrator, and the location is set to Texas.

## Mail Room Service – Features

- ✓ Enter / modify / delete all the Consignments received for delivery
- ✓ Provision to generate Barcode for the Consignment No.
- ✓ Printing Consignment No. wise checklist/sender wise consignment No/ Destination wise consignment list (To be delivered through Courier/ Postal / hand delivery by person / all )
- ✓ Printing as per the courier / postal / hand irrespective of courier.
- ✓ Triggering a mail to the sender and receiver once the consignment is delivered from the mail room with details.
- ✓ Provision to update the delivery status once the consignment is delivered to the receiver
- ✓ Triggering mail to the sender on delivery intimation with details.
- ✓ Provision to view the pending consignments to be delivered
- ✓ SLA based on the type of consignments

## Incoming Consignments

### Incoming Consignment

Consignment/Reference Number*	Texas/16/IN/25	Outgoing Consignment Number	TamilNadu/Texas/16/Ou
Batch ID	Batch-Texas-1	Total No. of Consignment	50.00
Consignment Received Date	09/03/2016 02:09 PM	Type of the Consignment	Intra-Site

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### Receiver's information

Receiver's name *	Nandhu	Hand Phone No	9876543210
Office Phone number	96314850	Extension No.	210
Address	188/1, varadharaja layout Near Ramakrishna hospital	Country	India
City	coimbatore	State	Tamil Nadu
Department	Development	Charge A/C	
Email ID	nandhini@sierratec.com	Clear Receiver	

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### Sender's information

Same Organization	<input checked="" type="checkbox"/>	Site	Texas
Sender's Name *	Priya	First Name	Priya
Address	188/1, varadharaja layout Near Ramakrishna hospital		

## Incoming Consignments

Country	India	City	Coimbatore
State	Tamil Nadu	Pin code	641044
Email ID	priya@sierratec.com	Department	INFORMATION TECHNOLOGY
Phone No	112	<input type="button" value="Clear Sender"/>	

---

**Consignment Details**

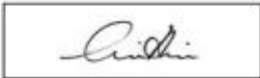
Delivered To	<input type="text"/>	Expected Delivery date	08/03/2016
Mode of Delivery	By Postal	Status	<input checked="" type="radio"/> Pending <input type="radio"/> Delivered
Courier Service Provider	TCSP3	Consignment Category	Documents
Airway Bill No.	15201	Pack Remarks	<input type="text"/>
Courier Type	<input type="radio"/> Personal <input checked="" type="radio"/> Official	Pack Status	<input checked="" type="radio"/> Sealed <input type="radio"/> Open
Duty	0	Sub Hub Location	First Floor
Special Instructions	cbe		

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**Consignment Charges**

S No.	No. of Pack	Weight of each Pack(Grams)	Dimensions of each Pack(L * B)	Total Weight(Grams)
1	3	30	40*20	90.00

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Recipient Signature 

## eFACiLiTY® – Building Management System Integration



### "Seamless integration with most BMS/BAS Systems"

- BMS Alarm based Automatic Work Order generation
- Email / SMS notifications
- Automated meter reading and tenant billing
- Trigger usage based preventive maintenance work orders

## BMS/BAS Integration

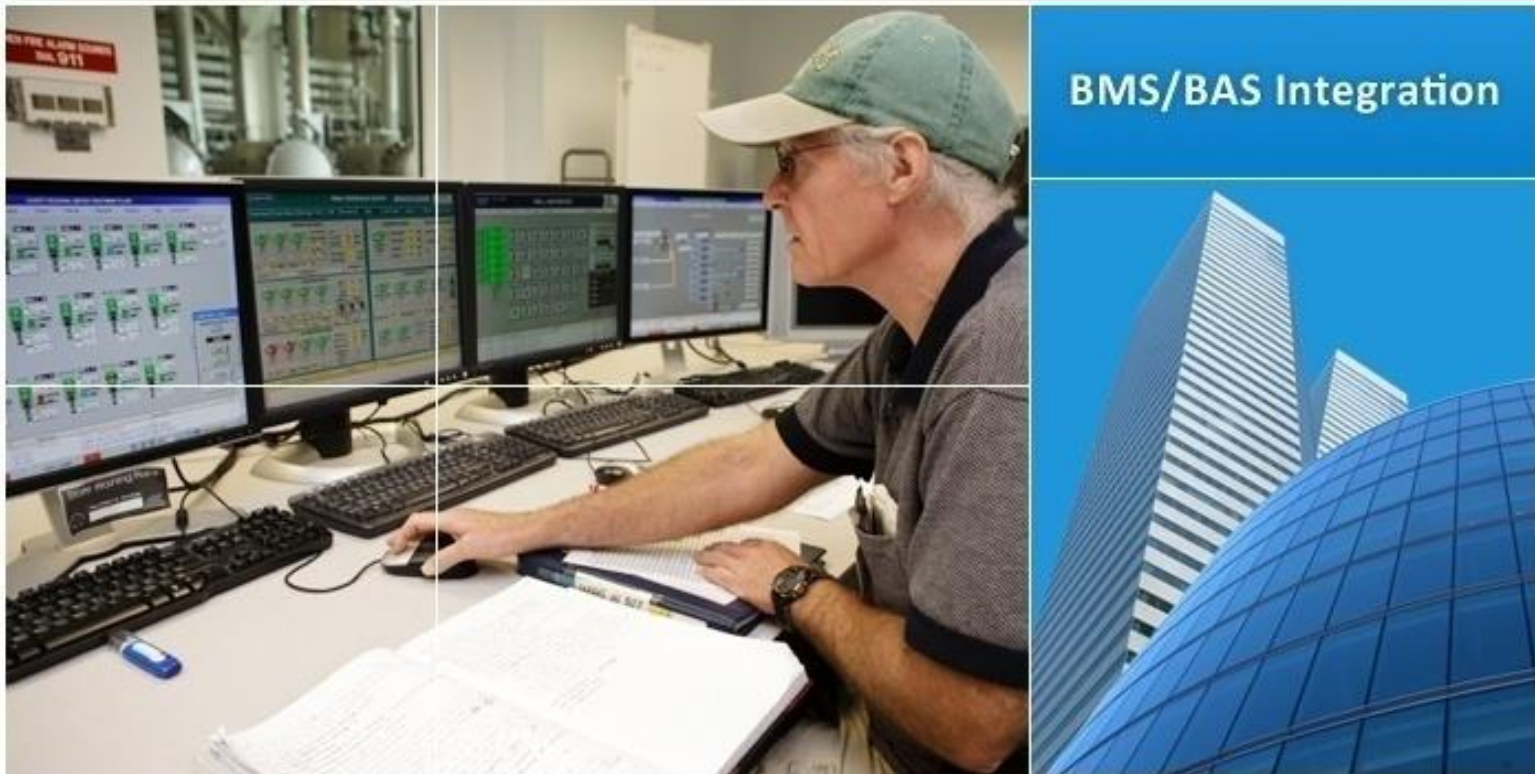
Functionalities achieved by BMS / BAS Integration:

- ✓ **Alarms based Work Order Triggering:** The alarms triggered by the functional building / facility systems inclusive of building control systems, M&E services, fire protection, CCTV system, access control, security systems etc. can be captured by eFACiLiTY® Maintenance Management module via BMS/BAS systems and the work order can be generated automatically and emailed to the contractor or technician responsible to fix the same along with an SMS alert.
- ✓ **Switching HVAC / Lighting:** eFACiLiTY® Facility Booking module, based on scheduled meetings and user preferences by integrating with BMS/BAS systems can trigger the lighting, air-conditioning etc. a few minutes before the scheduled meeting. At the end of the meeting, after a grace period, the system switches off the equipment automatically leading to energy conservation, automation and better user comfort.
- ✓ **Automated Tenant Billing:** eFACiLiTY® Tenant Billing module, can access the electrical/water/other meter readings from BMS/BAS systems and apply the configured slab wise, service wise rates for each tenant and generate the invoices automatically and email the same to the tenants at the end of each billing cycle.



## BMS/BAS Integration - Features

- ✓ Alarm based Work orders
- ✓ Email / SMS notifications
- ✓ Auto generation of bills based on Utilization





## BMS/BAS Integration

- ✓ eFACiLiTY readily integrates with popular Building Management Systems (BMS) and Building Automation Systems (BAS)



Tridium's Niagara Framework

*BMS – Ax and R2*



Schneider Electric

*BMS – TAC Vista and Ion*



SIEMENS Limited, India

*BMS – Desigo Insight 4. x*



Carrier Race Technologies Private Limited, India

*BMS – WebCTRL*



Honeywell Automation India Limited

*BMS – EBI*



Azbil Malaysia Sdn. Bhd.

*BMS – savic-net FX*



Trane Distribution Pte Ltd

*BMS –Tracer ES*

## eFACiLiTY® – Card Management System



“Create, Issue & Track your daily visitor(s) badges and passes”

- Employee, contractors and temporary staff passes'
- Temporary badge issue
- Registry of badges issued, expired & nearing expiry
- Badge & Pass printing

## Card Management System - Features

- ✓ eFACiLiTY Card Management System helps to manage the creation, issuance and tracking of badges and passes to employees, contractors, daily visitors like drivers of employees, etc.



## Card Management System - Features

- ✓ Registration of employees, contractors, temporary staff and drivers
- ✓ Issue of badges/passes to employees, contractors, temporary staff and drivers
- ✓ Badge / Pass printing
- ✓ Temporary badge issue
- ✓ Expiry dates setting for badges/passes issued and tracking
- ✓ Email alerts to users on badges/passes that are nearing expiry
- ✓ Registry of badges issued, badges expired and badges nearing expiry

# Card Management System

The screenshot displays the 'Employee Badge Issue' form within the eFACiLiTY system. The interface includes a top navigation bar with the eFACiLiTY logo, a menu icon, and several notification icons. The user is logged in as 'Site Administrator' at the 'Coimbatore' site. The left sidebar contains a navigation menu with options like 'Card Management system', 'Badge Issue', 'Employee Badge Issue', 'Driver Badge Issue', 'Temporary Badge Issue', 'Contractor Badge Issue', 'Masters', 'Reports', and 'CMS Configuration'. The main form area is titled 'Employee Badge Issue' and contains the following fields:

- Host Organization\*: SIERRA ODC Private Limited
- Category\*: Employee
- Employee Name\*: Swarna Lakshmi (with a 'Select' button)
- Staff ID: swarnalakshmi
- Issued on\*: 22/04/2016

Below the form fields is a 'Photo and Signature' section, which shows a photo of a man and a handwritten signature. On the right side of the form, there are four buttons: 'Scan Bizcard', 'Scan MyKad', 'Take Picture', and 'Capture Signature'.

## eFACiLiTY<sup>®</sup> – Energy Dashboards



“Intuitive energy utilization dashboards for easy monitoring”

- Resource wise consumption trends
- Alerts on excess utilization
- Carbon saving and monetary savings reports
- Green building certification related reports

## Energy Dashboards

- ✓ eFACiLiTY® Energy Dashboards provides a high level view of the Energy Utilization, Water Consumption, Green Power Generation and Monetary Savings with drill-downs for more detailed analysis.
- ✓ Energy utilization thresholds configuration, alerts on excess utilization, knowledge repository recording reasons for excess or lower utilization etc. are available for detailed investigation resulting in energy conservation and cost savings.
- ✓ The data is gathered from Building Automation and Control Systems (BMS / BAS) providing high accuracy. Interfaces can also be custom developed to read data directly from the meters / devices that support popular protocols.
- ✓ The intuitive management dashboards are developed using Microsoft Silverlight technology providing excellent user experience and is a must have tool for the top management and managers of green buildings and large facilities.

## Energy Dashboards Features

- ✓ Draw resources consumption trends (weekly, monthly, yearly etc.)
- ✓ Alerts on consumption beyond set limits
- ✓ Bar / Trend / Pie Charts for easy analysis
- ✓ View detailed consumption breakup data with comparison
- ✓ Recording history for increase or decrease in consumption for future analysis
- ✓ Green house gas accounting / Enterprise carbon accounting
- ✓ Green building certification related reports
- ✓ Monetary savings reports
- ✓ Energy utilization thresholds configuration,
- ✓ Alerts on excess utilization
- ✓ Knowledge repository recording reasons for excess or lower utilization
- ✓ Easy integration with popular BMS / BAS systems
- ✓ Custom integration with meters / devices that support popular protocols



Energy Monitoring & Reporting

### Energy Savings

Category	Percentage
Utility	35.36%
Solar	52.14%
DG	11.3%

**% Energy Saved**

**26.52%**

TARGET: BELOW 245 KG

**Co2 Saved**

**33%**

TARGET: BELOW 245 KG

### Energy Consumption

**Total Energy**

**2,459,688 KWh**

**Performance Now**

**7% ▲**

### Water Consumption

**Water Consumption**

**645 Ltrs**

**Rain Water Harvesting**

**145 Ltrs**

**Total Water Wastage**

**25 Ltrs**

### Usage Calendar

#### Electricity End Use Breakdown

12:00 AM - 8:30 PM

<b>HVAC</b>	<b>LIGHTS</b>	<b>PLUGS</b>	<b>SERVERS</b>	<b>OTHER</b>	
<b>40%</b>	<b>21%</b>	<b>28%</b>	<b>7%</b>	<b>4%</b>	
NOW	HOUR	TODAY	WEEK	MONTH	YEAR

<b>Temperature</b> 86 F (30 C)	<b>Sky Coanditions</b> Mostly cloudy	<b>Relative Humidity</b> 79%	<b>Dew point</b> 78 F (26 C)	<b>Pressure</b> 29.68 in. Hg <b>Visibility</b> 1 mile(s)	<b>Wind Direction</b> from the ESE (120 degrees) at 6 MPH (5 KT)
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## eFACiLiTY® – Workflow Engine



"Implement complex workflows specific to your processes"

- Set up complex workflow rules and logics as per needs
- Routing of workflows based on user actions
- Auto reminders on pending approvals
- Customizable email messages

## eFACiLiTY – Workflow Engine

- ✓ The eFACiLiTY Workflow Designer is a full-fledged workflow management tool that allows administrators to implement complex workflows involving multi-level approvals, rule based branching etc. to all the eFACiLiTY functions.
- ✓ This extends the customization and expansion capabilities of eFACiLiTY without touching the base software

The screenshot displays the eFACiLiTY Workflow Engine interface. At the top, the eFACiLiTY logo is on the left, and a navigation bar contains various icons and the text 'Site Administrator'. Below the navigation bar, the 'Workflow Engine' section is active, showing a search bar with 'Texas' entered. A left-hand menu lists several options: 'Masters' (with a sub-menu for 'Workflow Groups', 'Workflow Steptype', and 'Workflow MailContent'), 'Workflow Definitions', 'Workflow', 'Import Workflow Package', 'Workflow Configuration', 'Download workflow', and 'Workflow Listing'. The main content area features three images: a woman at a computer, a colorful flowchart diagram, and a blue graphic with the text 'Workflow Engine' and a building illustration.

## eFACiLiTY – Workflow Engine Features

- ✓ The Workflow Engine application will help in setting up additional business processes like approval mechanisms without modifying the base application
- ✓ Setup and manage complex work flow rules and logics to manage complex and diverse business processes of every organization function
- ✓ Routing of workflows based on user actions like approvals, rejections and update of key information
- ✓ Easily configurable approval request email messages
- ✓ Reminders on pending approvals
- ✓ Within network / outside network approvals enabling remote approvals on implementations within network
- ✓ Supports web service calls, WCF calls, stored procedure calls, SQL query builder etc.
- ✓ Detailed tracking of all operations maintaining audit log / history

## Software Specifications

- ✓ Microsoft's .NET Framework
- ✓ Browser based thin-client interface
- ✓ Supports Oracle/MSSQL/MSSQL Express
- ✓ Email, SMS, MMS Messaging
- ✓ Cross browser compatible
- ✓ Language of your choice
- ✓ Supports MS Exchange, LDAP
- ✓ Building Management Systems (BMS) Integration
- ✓ Ready for integration with Microsoft Active Directory, Oracle Single Sign-on
- ✓ PDA extension, Android and Windows Phone
- ✓ Table, Field, Activity wise Audit Trail
- ✓ Security Policy Management

## Synergetic Partners



Microsoft Gold Certified Partner (ISV) – Product Development

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Metronic Global Berhad, Malaysia & China

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Tridium Asia Pacific, Singapore

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Infocon Technology, Malaysia

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Wave Front, Japan

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Pinnacle Computer Systems Dubai, U.A.E.

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Global Trade S.A.R.L., Saudi Arabia

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Sequential IDS, Nigeria

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## Synergetic Partners



Software Systems LLC, OMAN.

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AELIA Gen. Trad & Cont, Kuwait.

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Elitser Technologies, UAE.

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Unified Africa Technologies (Pvt) Ltd, Zimbabwe

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NFS Hospitality UK Limited, UK.

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System Resources Inc., USA.

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## eFACiLiTY End Users - Government



Federal Government Buildings,  
Putrajaya, Malaysia  
Intelligent Building Management  
System



Malaysian Communications And  
Multimedia Commission (MCMC),  
Malaysia  
eFACiLiTY - Enterprise Facility  
Management System



Ministry of Health, Kuwait  
eFACiLiTY - Enterprise Facility  
Management System



Ministry of Health, Bahrain  
eFACiLiTY - Enterprise Facility  
Management System



Tidel Park, Coimbatore, India  
eFACiLiTY - Enterprise Facility  
Management System



Nigerian Petroleum Development  
Company (NPDC) Ltd, Nigeria  
eFACiLiTY - Enterprise Visitor  
Management System



Saudi Arabia National Guard, Saudi Arabia  
eFACiLiTY - Enterprise Facility  
Management System



University of Dammam, Saudi Arabia  
eFACiLiTY - Enterprise Facility  
Management System



## eFACiLiTY End Users - Government



Dubai International Airport via Pacific Control, UAE  
eFACiLiTY - Tenant Billing System



Mumbai Metro, India via Honeywell eFACiLiTY – Enterprise Facility Management System

Mumbai Metro One



Royal Malaysia Police  
eFACiLiTY - Enterprise Maintenance Management System

## eFACiLiTY End Users - Fortune 500



British Aero Space, Saudi Arabia  
eFACiLiTY - Enterprise Facility Management System



Japan Tobacco International, Malaysia  
eFACiLiTY - Enterprise Visitor Management System



For Societe Generale via CBRE South Asia Pvt.Ltd  
eFACiLiTY - Enterprise Facility Management System



Sheraton Darling Harbor, Sydney, Australia  
eFACiLiTY - Enterprise Facility Management System



Egypt, UAE, Saudi Arabia, India  
eFACiLiTY - Enterprise Facility Management System



vodafone



For Vodafone through Honeywell  
eFACiLiTY - Enterprise Facility Management System



Sodexo, India  
eFACiLiTY - Enterprise Facility Management System



YUM Group, India  
Enterprise Maintenance Management System

**eFACiLiTY End Users - Fortune 500**



Millennium Hilton, Bangkok  
eFACiLiTY - Enterprise Facility Management System



For JSW Steel via Siemens  
eFACiLiTY - Enterprise Facility Management System



For Nitesh Residency via Carrier Race Technologies, India  
eFACiLiTY - Enterprise Facility Management System



PepsiCo, India  
eFACiLiTY - Enterprise Maintenance Management System



Wipro Limited  
eFACiLiTY – Mail Room Management System



Maersk  
eFACiLiTY - Enterprise Facility Management System



Reliance Industries Limited  
eFACiLiTY – Enterprise Facility Management System



Mitsubishi Electric  
eFACiLiTY – Visitor Management System

## eFACiLiTY End Users - Other Corporates



Wadhwa Group, India  
eFACiLiTY - Enterprise Facility Management System



CRISIL Limited, India  
eFACiLiTY - Enterprise Facility Management System



Godrej Properties, India  
eFACiLiTY - Enterprise Facility Management System



Godrej Industries  
eFACiLiTY - Enterprise Facility Management System



CoreLogic, India  
eFACiLiTY - Enterprise Facility Management System



Ozone Group  
eFACiLiTY - Enterprise Facility Management System



TATA Power Limited India  
eFACiLiTY - Space Management System



For State Bank of India through Honeywell  
eFACiLiTY - Enterprise Facility Management System

## eFACiLiTY End Users - Other Corporates



**GVK Mall, India**  
eFACiLiTY - Tenant Billing System



**Embassy Services Private Limited, India**  
eFACiLiTY - Enterprise Facility Management System



**Property Solutions India Private Limited**  
eFACiLiTY - Enterprise Facility Management System



**GPX (India) Private Limited, India**  
eFACiLiTY - Enterprise Facility Management System



**Mantri Square, Bangalore India**  
eFACiLiTY – Tenant Billing System



**TRIF Amritsar Projects Private Ltd, India**  
eFACiLiTY - Enterprise Facility Management System



**Quess Corp**  
eFACiLiTY - Enterprise Space Management System



**Pacific Development Corporation Ltd, Dehradun & Delhi**  
eFACiLiTY - Enterprise Facility Management System

## eFACiLiTY End Users - Other Corporates



Cyient Limited, India  
eFACiLiTY - Enterprise Facility Management System



Pioneer Property Zone Services Pvt. Ltd.  
India  
eFACiLiTY - Enterprise Facility Management System



Synechron Technologies Pvt. Ltd., India  
eFACiLiTY - Space Management System



Vishal Group, Nepal  
eFACiLiTY - Enterprise Facility Management System



Trane Distribution Pte Ltd, Singapore  
eFACiLiTY – Enterprise Maintenance Management System



Telekom Brunei Berhad (TelBru)  
eFACiLiTY – Facility Booking System



Hospital Fatimah  
eFACiLiTY - Enterprise Maintenance Management System



The St. Regis Hotel & Apartments via  
Azbil – Malaysia  
eFACiLiTY - Enterprise Maintenance Management System

## eFACiLiTY End Users - Other Corporates



Albhukary, Malaysia  
eFACiLiTY - Enterprise Facility Management System



Platinum Sentral (KL Sentral Park - Lot E), Malaysia  
eFACiLiTY - Enterprise Facility Management System



DiGi Malaysia  
eFACiLiTY - Enterprise Facility Booking System



Genting Highlands, via EasyIO Malaysia  
eFACiLiTY - Enterprise Maintenance Management System



Trade Coast, Australia  
eFACiLiTY - Enterprise Facility Management System



Airmaster, Australia  
eFACiLiTY - Enterprise Facility Management System



Savvy Capire, Nigeria  
eFACiLiTY - Enterprise Maintenance Management System



Enterprise Bank Limited, Nigeria  
eFACiLiTY - Enterprise Facility Management System

## eFACiLiTY End Users - Other Corporates



Qatar Petroleum, Qatar  
eFACiLiTY - Enterprise Facility Management System



Galfar Al Misnad Engg. & Contg. WLL, Qatar  
eFACiLiTY - Enterprise Facility Management System



Saudi Catering and Contracting, Saudi Arabia  
eFACiLiTY - Enterprise Facility Management System



Haramain High Speed Rail Project via L&T, Saudi Arabia  
eFACiLiTY – Maintenance Management System



Maaden Infrastructure Company via.(SATCO), Saudi Arabia  
eFACiLiTY - Enterprise Facility Management System



Salmiya Group Co. (Boulevard) Kuwait  
eFACiLiTY - Enterprise Facility Management System



The Commercial Real Estate Company, K.P.S.C (Al-Tijaria) Kuwait  
eFACiLiTY - Enterprise Maintenance Management System



Alghanim Industries, Kuwait  
eFACiLiTY - Enterprise Facility Management System



## eFACiLiTY End Users - Other Corporates



Pacific Controls, UAE  
eFACiLiTY - Enterprise Facility Management System



KG Tech Arabia  
eFACiLiTY - Enterprise Maintenance Management System



Electronic Card Services Ltd, Kenya  
eFACiLiTY - Enterprise Visitor Management System



iTECO, Nigeria  
eFACiLiTY - Enterprise Visitor Management System



Confido Technical Services LLC  
eFACiLiTY – Tenant Billing System



Fahmy Furniture LLC, Oman  
eFACiLiTY - Tenant Billing System



NIIT, India  
eFACiLiTY - Enterprise Maintenance Management System



Concept Controls, USA  
eFACiLiTY – Tenant Billing System

## eFACiLiTY End Users - Other Corporates



**Sapphire Foods, India**  
eFACiLiTY - Enterprise Facility Management System

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**Taiba Contracting & Maintenance CO, Saudi Arabia**  
eFACiLiTY - Enterprise Maintenance Management System

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**Compass Group, India**  
eFACiLiTY – Enterprise Maintenance Management System

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**TATA-AIG General Insurance Company Limited, India**  
eFACiLiTY - Enterprise Mail Room Management System

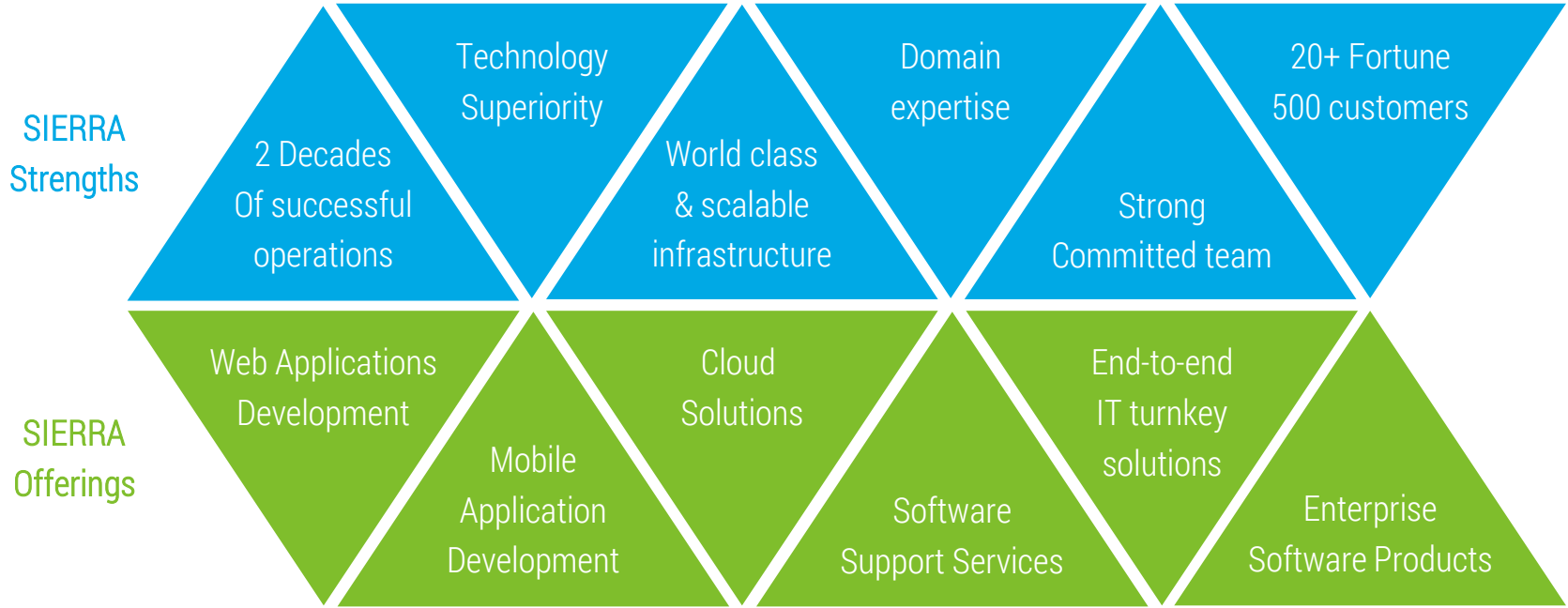
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**Ampo Valves India Private Limited, India**  
eFACiLiTY – Visitor Management System

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**About SIERRA**



**World's 2<sup>nd</sup> India's Highest rated Green Building**  
*rated under the LEED NC v2009 Category*

**Microsoft GOLD CERTIFIED Partner**

*Awarded*  
**The Best SME IT Services company**  
*@ IMC IT awards 2013*

*Recognized as*  
**One of the Top 26 Most Innovative Companies**  
*@ CII Industrial Innovation Awards 2014*

**Clients Spread Across:** Asia, Australia, USA, Europe, Middle East & Africa

# Thank You!

For more information please contact us at  
[info@sierratec.com](mailto:info@sierratec.com)



**SIERRA ODC Private Limited**

[www.sierratec.com](http://www.sierratec.com)

## INDIA

SIERRA ODC Private Limited  
"eFACiLiTY", #6 ,SF.No. 218/2A,  
Annamalai Industrial Estate,  
Kalapatti, Coimbatore – 641048  
Tel: +91-422-7115566  
Mobile: +91-9363220483  
USA/Canada: +1-408-239-4819

## USA

Sierra Infosys Inc.  
6001 Savoy Dr, Suite 210,  
Houston TX 77036,  
Tel: +1-713-747-9693  
Fax: +1-509-351-6682

## MALAYSIA

SIERRA ODC (M) SDN. BHD.  
96-1, Biz Avenue, 2, Neo Cyber  
Lingkar Cyber Point Barat  
63000, Cyberjaya,  
Selangor, Malaysia  
Tel: +603-8320-2080  
Fax: +603-8320-2082

## UAE

SIERRA ODC DWC-LLC  
DWC Business Center,  
Dubai Aviation, City-Logistics City,  
Dubai-UAE, P.O. Box : 390667

## SINGAPORE

SIERRA ODC (S) Pte. Ltd.  
30 Cecil Street #19-08  
Prudential Tower  
Singapore 049712  
Tel: +65 97334623