



**FaMe FM Energy Management
Datasheet
(for Egypt Only)
(Electricity, Water and Gas)
(AMI Advanced Metering Infrastructure)**





1. FaMe FM energy management software provide end to end solution starting from
 - a. Reading consumption from smart meters (with COSEM/DLMS communication protocol).
 - b. Up to consumption payments through FaMe Merchant portal and Miser Bank E-Payment Gateway.
2. Prices segments and customer service fees for different energy commodities (electricity, water and gas) are implemented according to the government prices, and easily could be change whenever it need.



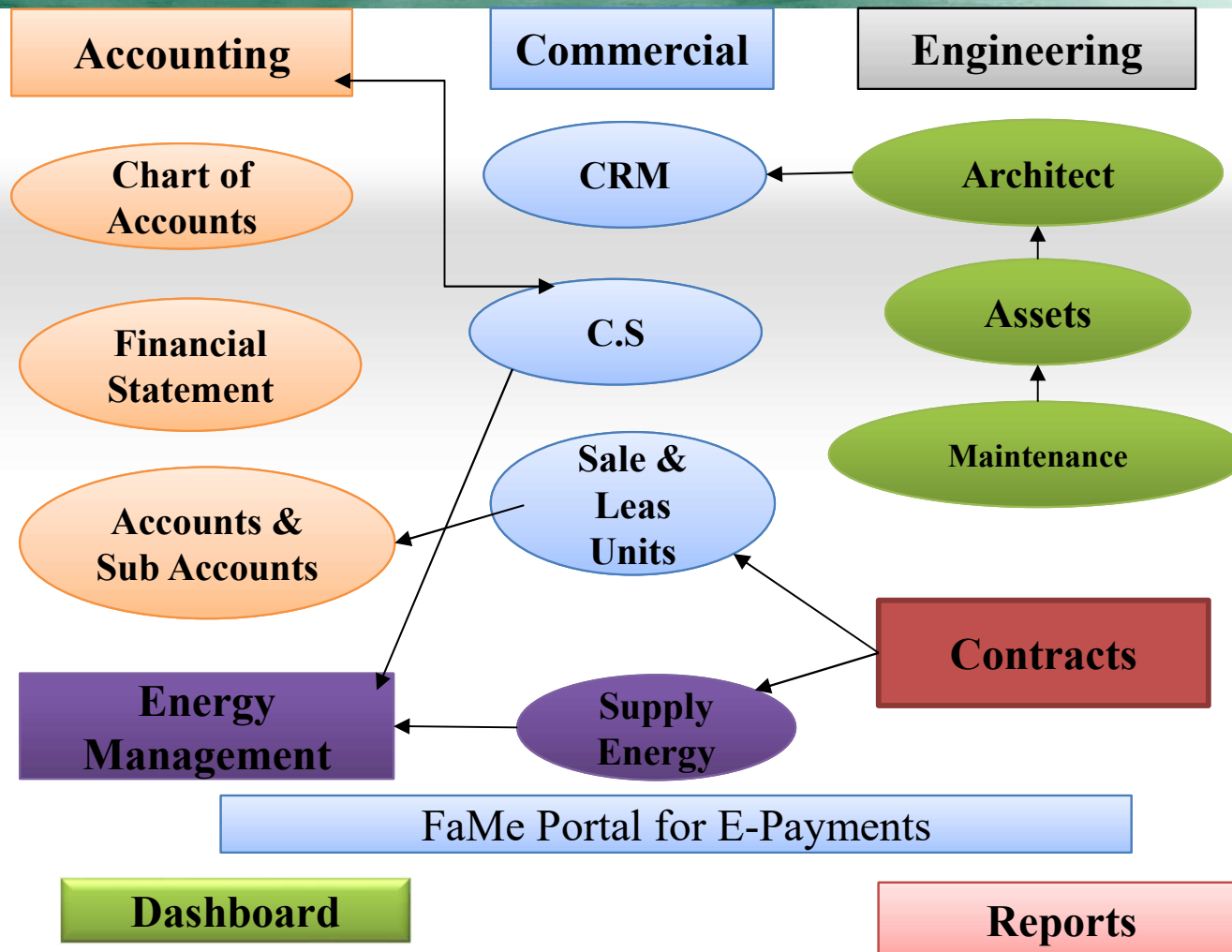
3. System collects the meter reading (consumption) either by Push Or Pull according to pre instructions.
4. Each smart meter will have a financial account within the system to monitor its financial balance.
5. The following functions are a part of the solution:
 - a. Location, meter data, consumptions data and meter status.
 - b. An alarm is set to send a message either by sending an email or SMS to the meter owner, along with a message within the program to the control room if:



- i. When the value of the financial balance reaches a certain amount.
- ii. Malfunctions Occurrence which will be spotted automatically.
- iii. Different reports can be generated by the system.
- iv. Dashboard for live monitoring for the grid components.

6. The solution consist of the following modules

Solution Main Modules



1. Engineering Management

As built Project's units & Asset's catalog:

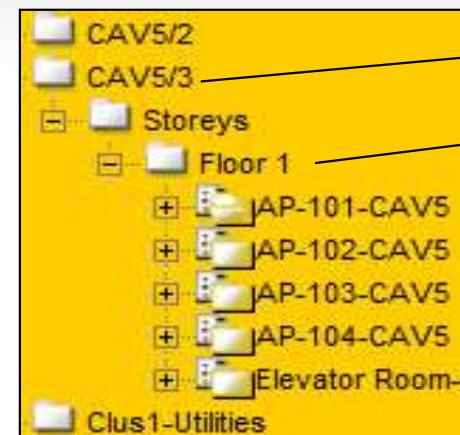
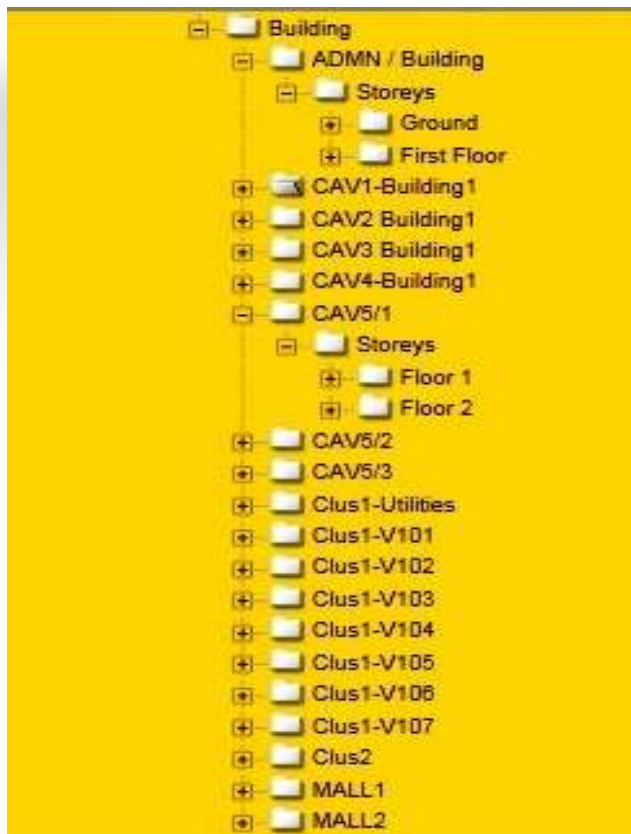
- Units:
Location, building, floor, unit number and unit information.
- Assets:
Location, asset data, components, code, operational log, and asset lifespan.

Google Maps



A. Architectural

a. For identifying unit location & its full address



Building

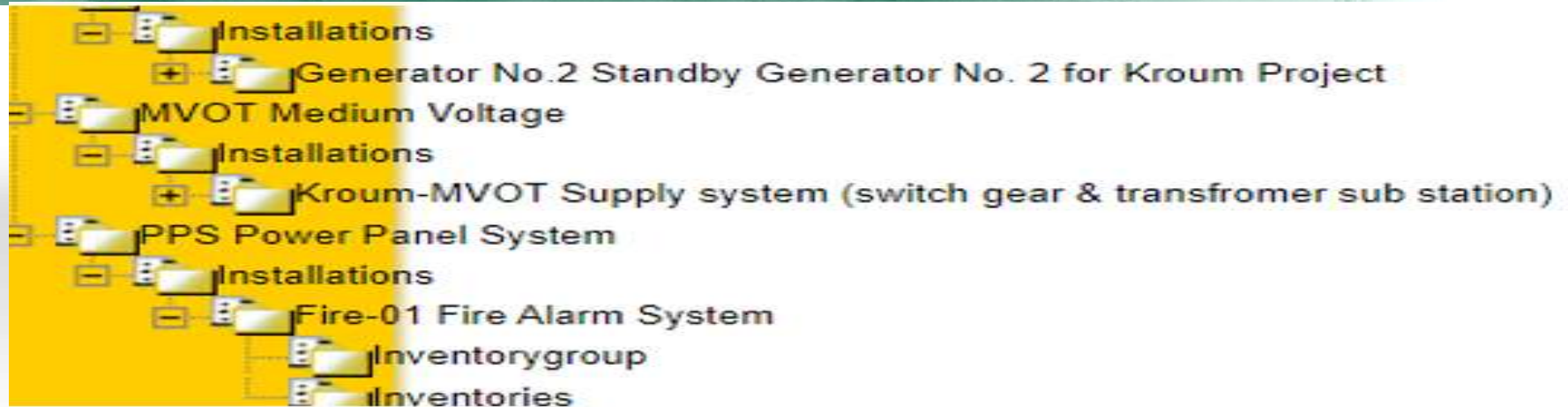
Floor

Apartments (Room)

2. Assets Management

- a. For identifying meter information and linked to specific unit through architectural.
 - i. Assets components catalogue is available.
 - ii. Unique identification code for each asset.





- i. Able to edit and correct the wrong entries during installation.
- ii. Authorized users can create new work orders through a graphical user's interface.
- iii. Identify meters and communication equipment based on their status (delivered, deployed, removed ETC), location (area wise as per address and also based on technical network structure).

3. Maintenance.

- i. The solution manage planned Preventive maintenance activities for energy grids (Electricity, Water & Gas).

Scope	Object	Activities	Interval	Done
Maintenance for YCIV Chillers - 5000 Hours (1*5000 Hours)	✓	✓	✓	✓
Maintenance for YCIV Chillers - Yearly (1* 1year)	✓	✓	✓	✓
Maintenance for YCIV Chillers - SEMI ANNUALLY (1*6 months)	✓	✓	✓	✓
Maintenance for YCIV Chillers - Quarterly (1*3 months)	✓	✓	✓	✓
Maintenance for YCIV Chillers - Weekly (1*weekly)	✓	✓	✓	✓



- i. Beside generating service orders for emergency, corrective maintenance.
 - 1. The solution manages planned Preventive maintenance activities for energy grids (Electricity, Water & Gas).
 - 2. Generate a daily work list for staff based on work orders and assigned tasks and estimated time to complete them.
- ii. Manage Emergency, corrective and cosmetic maintenance task to equipment and facility.
- iii. Ability to generate automatic notification for needed preventive maintenance based on asset usage, condition and calendar.



- i. Ability to group assets within a category and to help schedule and coordinate preventive maintenance activities.
- ii. Ability to copy / duplicate work order to create a new one.
- iii. Maintenance due dates are announced by issuing the service orders for each task automatically by the system.
 - iv. Cost allocation for each Asset / component / spare part can be done. (Equipment's Lifespan), for tracking and update asset condition, usage, and sequence of failure.
- v. Dashboard for live monitoring for the grid components.
- vi. Malfunctions which will be spotted automatically.



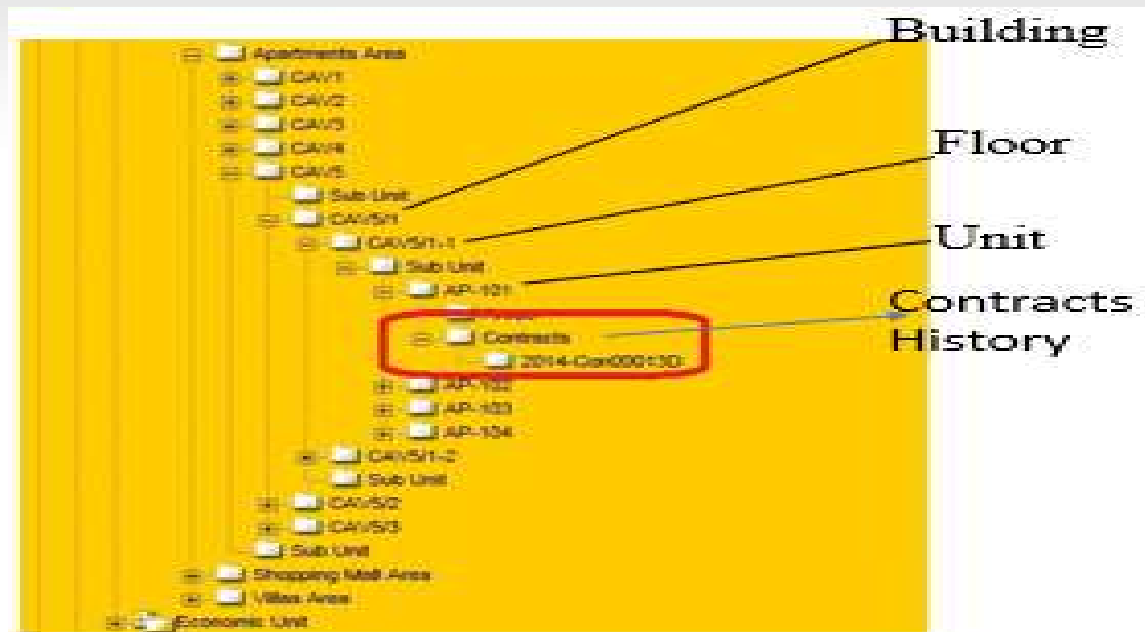
- i. In case of emergency, alarm is set to send a message either by sending an email or SMS to the meter owner, along with a message and alarm on the dashboard within the program in the control room.
- ii. Issue service order via Call-Center.
- iii. Monitoring vendors contracts and activities.
- iv. Warehouse and Spare part management.



1. Other jobs and activities can be implemented such as:
 - a. Assets components catalogue is available.
 - b. Maintenance: Beside generating service orders for emergency, corrective maintenance. The solution manages the planned Preventive maintenance activities for energy grids (Electricity, Water & Gas), assignment of maintenance task to equipment and facility can be done. Maintenance due .
 - c. dates are announced by issuing the service orders for each task automatically by the system.
 - d. Cost allocation for each Asset / component / spare part can be done. (Equipment's Lifespan)

. 4. Commercial & CRM

- Handling client's data and information. (homeowner information), Account information, Unit Location, meter data, consumptions data and meter status.
- & unit's information.
- Lease & Sale units



5. Accounting Module

1. Chart of Account:

- a) Chart of account will be established according to the owner financial police.
- b) Full accounting system:
 - a. Number range for all accounting documents.
 - I. Generated outgoing invoice.
 - II. Register incoming invoice.
 - III. Cash register In / Out receipt.
 - IV. Booking Journal.
 - V. Contracts.
 - VI. Proposal / Offers.
 - VII. Account statement.
 - VIII. Trail Balance report & Accounting entry forms.



b) Documents Type:

For example, and not limited:

- i. Outgoing Invoice.
 - ii. Incoming invoice.
 - iii. Cash receipt In / Out.
- c) Internal auditing system is available.
- d) Purchasing, goods received & Warehouse management.
- e) Proposal / Offer
- f) Request for Proposal / Tender.
- g) Depreciation.
- H) Handling all types of tax.

Chart of Account

a. Chart of Account. (Balance sheet / Income statement)

حسابات البنوك

حسابات العملاء



حسابات
الإيرادات



a. Number range for all accounting documents.

b. Cost centers

c. All accounting documents.

i. Cash receipt (In / Out)

ii. Outgoing invoice.

iii. Register Incoming invoice

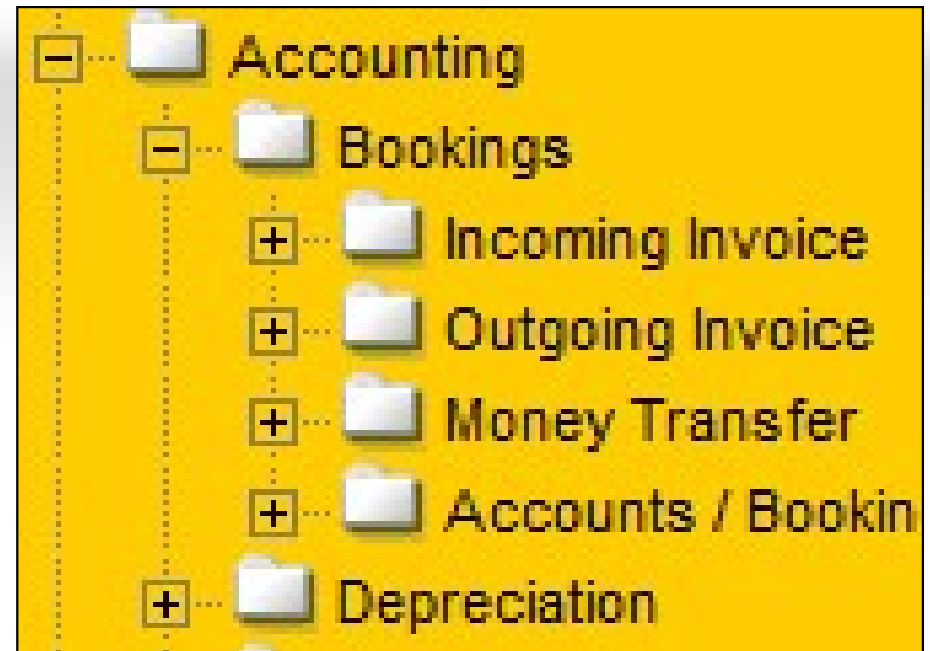
iv. Bank statement.

v. Purchasing management.

vi. Depreciation.

vii. Tenders.

viii. Internal auditing system





6. Contracts

- a. Lease contracts.
- b. Sales contracts.
- c. Vendor contracts.
- d. Client's service contracts:
 - i. Provide Electricity, Water, Gas ETC.



7. Energy Management (Electricity, Water & Gas)

- A. FaMe FM energy management software provide end to end solution starting from:
- Reading consumption from smart meters (with COSEM/DLMS communication protocol)
 - Up to consumption payments through FaMe Merchant portal and Miser Bank E-Payment Gateway.
- B. Prices segments and customer service fees for different energy commodities (electricity, water and gas) are implemented according to the government prices, and easily could be change whenever it need.



C. The system deals with all types of energy meters (electricity, water, gas and heat) and any brand available in the market conditional it has COSEM / DLMS communication protocol and any other protocols.

Actual Meter

Virtual Meter - Sum Sub meters

Virtual Difference Main Meter - Sub meter

Virtual Meter - Calculated

Difference Meter

Environment Mgt.

No History

Alarm Level 2

COSEM/DLMS

Alarm active

BACnet Reading

How the System Works

- System collect the meter reading (consumption) either by Push or Pull according to pre instructions.
- Each smart meter will have a financial account within the system to monitor its financial balance.



Pull OR Push

- a. The system collects the consumption reading according to a predefined instruction.

Reading Interval/ الفاصل الزمني بين القراءات Minute(s) Hour(s) Day(s) Week(s) Month(s)

next reading/ تاريخ وميعاد القراءة التالية previous reading/ القراءة السابقة

Total Records:: 169 Page 1 From 9 All Customize Se

Serial No.	Reading Date/ تاريخ بداية القراءة	Time / وقت بداية القراءة	Value	Consumption/ الاستهلاك الفعلي
1	07/31/2019	17:00:00	477945	974
2	07/31/2019	11:00:00	476971	2644
3	07/31/2019	05:00:00	474327	0
4	07/30/2019	23:00:00	474327	0
5	07/30/2019	17:00:00	474327	760
6	07/30/2019	11:00:00	473567	2435
7	07/30/2019	05:00:00	471132	0



b. Consumption calculation = Current Reading - Previous Reading

1) Consumption Value = Actual consumption * KWH Price

(according to Ministry of Electricity slides price list & customer services fees). Easily could be change whenever it needs.

2) The program subtracts the consumption value from the meter financial balance.

3) After that, the program will check the meter financial balance. If there is sufficient balance, the program will continue.

4) An alarm is set to send a message either by email or SMS to the meter owner, along with a message within the program to the control room if:



- i. When the value of the financial balance reaches a certain amount.
 - ii. Malfunctions Occurrence which will be spotted automatically.
 - iii. Different reports can be generated by the system.
 - iv. Dashboard for live monitoring for the grid components.
- 5) If the financial balance become 0 the service disconnected and be restored after payment is done. Both actions will be done

From: hotline@fame-online.de
To: alaakamel@edaraegypt.com
Cc:
Subject: Meter financial balance

Dear valued Customer,
please note that the remaining financial balance reached the minimum. Balance available is 10LE. Requested Balance at 31/07/19 77513.4LE.
Meter No: Edara Meter 2 PUSH
You are kindly requested to recharge your credit to keep the service available.

عزيزي السيد /
يرجى العلم أن الرصيد المالي المتبقي بلغ الحد الأدنى للقراءة هو مبلغ 10 جنيه في تاريخ 19/07/31 وذلك
للعداد رقم : Edara Meter 2 PUSH
يرجى إعادة شحن رصيدك للحفاظ على الخدمة متاحة.



Option:

The system is capable to control other financial obligations on unit owners like monthly / yearly maintenance fee, instalments or any other due payments.

through, link the accounts to the energy service / s accounts, with predefined instruction, the energy services could be automatically disconnected in case of the due payments did not done within the permitted period.

Energy services will be restored after payments is done, also automatically.



Monthly / Yearly Maintenance Fee Statement

File No: Invoice No. 38C-89V-2007

Mr. Kamel Ahmed
25, AlTahier

Unit No. & address

Additional rental costs

Billing period

Agreement no.: 2014-Con00011
Economic unit: Mall #1/1 Floor 1
Rental unit: Shop102 Shop No. 102

Invoice Items

Unit's share

Billing period: 02/01/2014 - 12/31/2014 = 334 days
Period of use: 01/01/2014 - 12/31/2014 = 365 days

Items Cost

Building total areas





Unit Area

Type of costs	Total costs	Disposition	Total units	Your units	Your costs
Electricity Consumption for Mall Building #1	9.000,00	Area	395,00 m2	55,00 m2	1.146,73
Elevator Maintenance for Mall Building #1	3.000,00	Area	395,00 m2	55,00 m2	382,24
Security Services for Mall Building #1	15.000,00	Area	395,00 m2	55,00 m2	1.911,22
Water Consumption for Mall Building #1	4.000,00	Area	395,00 m2	55,00 m2	509,66
Amount additional costs	31.000,00				3.949,85
Advanced payments					0,00
12/31/2014					3.949,85



Billing system Postpaid OR Prepaid by using FaMe FM Merchant website (Portal) for E-Payment method.

- a. The system is managing all different billing types, in advanced, on demand, it is fully flexible and variable cycle support.

Description	<input type="text"/>
3.Reminder Mailing List  	<input type="text"/>
Date 	<input type="text"/>
Description	<input type="text"/>
Status  <input type="radio"/> not send <input type="radio"/> open <input type="radio"/> Part amount <input type="radio"/> completed	
<input type="checkbox"/> Rate Payment <input type="checkbox"/> Credit Item <input type="checkbox"/> Proforma Invoice <input type="checkbox"/> Final billing	

Different Types of payments



- a. Postpaid is available by using the “last invoice No.” data in the contract mask.
- b. As shown in the next fig,
 - i. this function is an instruction to the system to generate invoice at the beginning of each month.
 - ii. The invoice will be stored under the number of the energy service contract.
 - iii. It can be printed by pushing "Print Arabic" form outgoing invoice interface.



Client's Invoice

Order No. 2018-00005/005 October 2018

Your Order No.:
 Our Order No.: 12222 from 15.08.2013
 Your Assignment from:
 Responsible for Assignment:

Date 01.10.2018

Please find attached the invoice for the positions below.
 If you have any further questions, please do not hesitate to contact Mr.
 Maintenance- (Phone:).

PAYABLE

15.10.2018

POS.	DESCRIPTION	AMOUNT	PRICE	VALUE	TAX
1	Edara Meter 2 PUSH Consumption value: 4000 - Trigger Point: 600 Admin Fee: 20 EUR	1,00	3.940,00 GBP	3.940,00 GBP	1,00 %
				Invoice Price	3.940,00 GBP
				Allowance	0,00 GBP
				Net Amount	3.940,00 GBP
				TAX - Total	394,00 GBP
				Total Amount	3.940,00 GBP

IPROM INTEGRATED PROPERTY MANAGEMENT
 DUBAI WILSON TOWERS
 2118
 AN SADEEN QADA
 P.O. Box : 27171, Dubai
 Tel: 04342 2000

رقم العداد: 40000
 الرقم التسلسلي: 00000000
 قراءات الشهر: 4000
 قراءات الشهر السابق: 4000
 قراءات الشهر قبل السابق: 4000
 الاستهلاك: 0
 الاستهلاك السابق: 0

رقم العميل: 20171444

Previous Month's Summary

الخدمة	القياس	الحد الأقصى	الاستهلاك	القيمة	الحد الأقصى
Electricity	4000	4000	0	0.00	4000
Water	0	0	0	0.00	0
Gas	0	0	0	0.00	0
Other	0	0	0	0.00	0

Current Month Charge

الخدمة	القياس	الحد الأقصى	الاستهلاك	القيمة	الحد الأقصى
Electricity	4000	4000	0	0.00	4000
Water	0	0	0	0.00	0
Gas	0	0	0	0.00	0
Other	0	0	0	0.00	0

Carbon Footprint

Lightbulb icon with text: "The carbon footprint for big health consumption is 221 kg CO2 emissions."

Big Data

- 0-1000
- 1011-2000
- 2011-3000
- 3001+

Additional Information

CO2

Address /Client

Tariff / pricing

Additional Information
 CO2



E-Payment Process

FaMe Services of Home

User name

Password

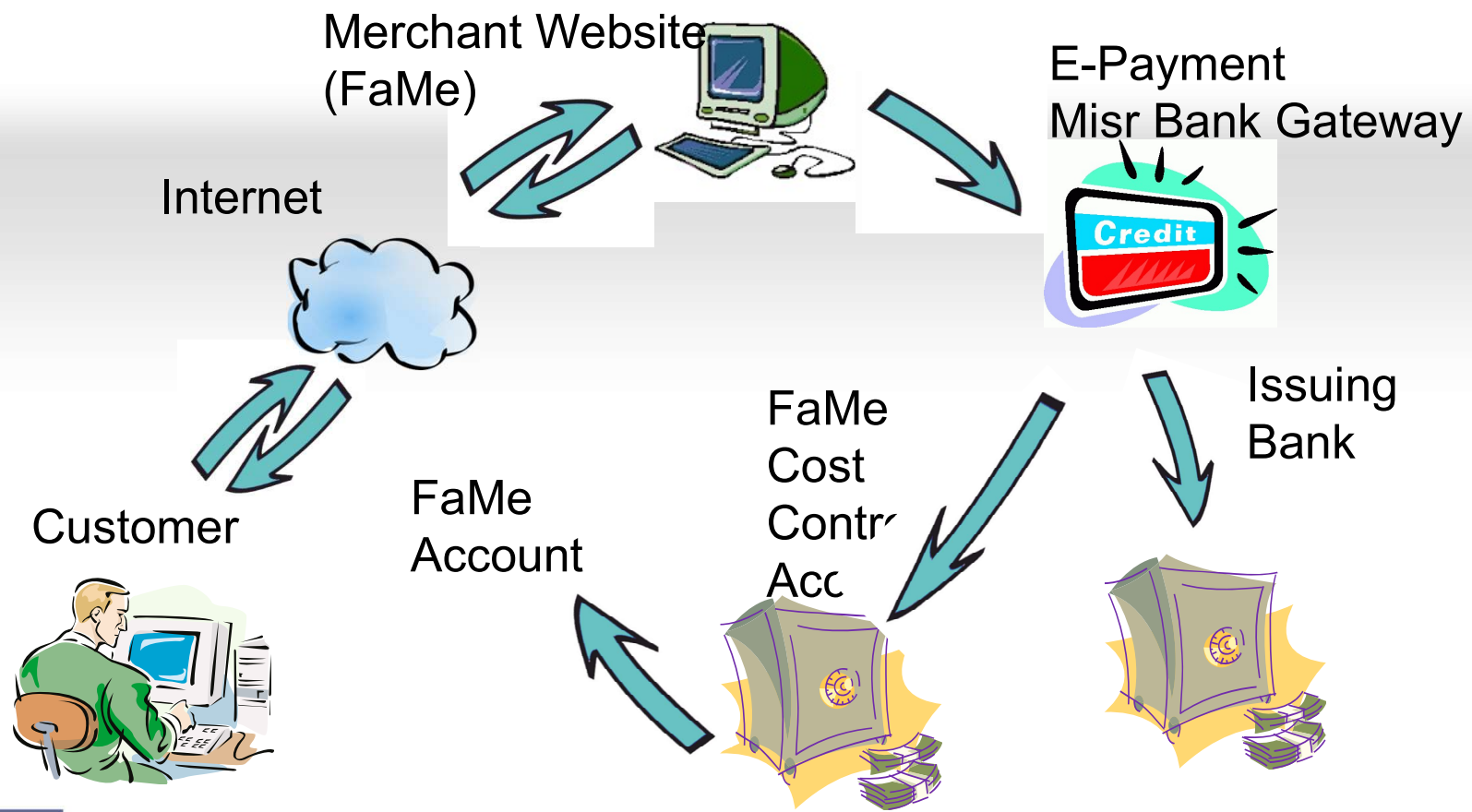
LOGIN

OUR PACKAGES

OUR SERVICE

ON DEMAND

Client's Payment Process





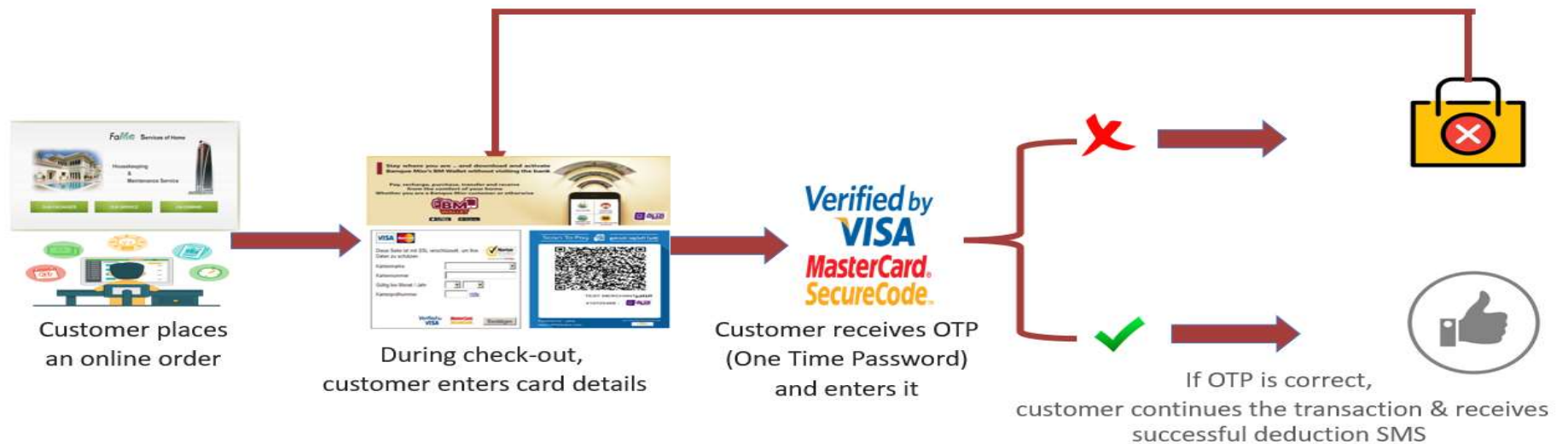
Service Account Name	Amount To be Paid
General	100
Electricity	1000
Water	100
Gas	75
IPTV	125
TOTAL	1400

Pay

Miser Bank E-Payment Gateway

By using Master Card, Visa national & international , Messa, Wallet and QR code.

E-commerce Transaction Flow



Accounting Hierarchy

Project (A)	Project (B)	Project (C)	Project (D)
Project ID	Project ID	Project ID	Project ID
Chart of Account	Chart of Account	Chart of Account	Chart of Account
Accounting	Accounting	Accounting	Accounting
Bank Account	Bank Account	Bank Account	Bank Account
Clients Account	Clients Account	Clients Account	Clients Account

POS

POS

POS

POS




Diese Seite ist mit SSL verschlüsselt, um Ihre Daten zu schützen.

Kartenmarke

Kartennummer

Gültig bis Monat / Jahr

Kartenprüfnummer [Hilfe](#)







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Kartenmarke

Kartennummer

Gültig bis Monat / Jahr

Kartenprüfnummer [Hilfe](#)







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Gültig bis Monat / Jahr

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Kartenmarke

Kartennummer

Gültig bis Monat / Jahr

Kartenprüfnummer [Hilfe](#)




Project (A)

Project ID

Chart of Accounts ID

Client's Accounts Number

Electricity Account No.

Smart Meter Account No. for monitoring financial balance

Water Account No

Smart Meter Account No. for monitoring financial balance

Gas Account No

Smart Meter Account No. for monitoring financial balance

POS



VISA MasterCard

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Kartenmarke

Kartennummer

Gültig bis Monat / Jahr

Kartenprüfnummer [Hilfe](#)

Verified by VISA MasterCard SecureCode



Reports

- i. More than 1500 standard reports.
- ii. User has the ability to create his own reports
- iii. Excel & PDF are the print format.
- iv. Ability to send printed reports by mail or txt.

Reports

- Real Estate
- Facility Management
- Portfolio Management
- Event Management
- Controlling
- Accounting
- Staff
- Document Management
- Default Values
- Reporting
 - Overview
 - Overview 2
 - Query generator (tables)
 - Query generator (screen)
 - Analysis
 - Analysis Differentiation
 - Output Program
 - Report Ownership
 - Customizing User
 - Report Definition
 - Copy Rule
 - Output Format

Total results = 466



results per page =

+ - [10](#) [50](#) [100](#) [200](#) [all](#)

	Group	Name
001	Accounting	Account Allocation
002	Accounting	Account Statement
003	Accounting	Account System / Account Allocation
004	Accounting	Account to Chart of Accounts
005	Accounting	Accrued Booking Costs
006	Accounting	Alternativ Angebote (Liste)
007	Accounting	Booking Journal by Cost Center
008	Accounting	Call For Tenders
009	Accounting	Call For Tenders Firm
010	Accounting	Call For Tenders Single Price
011	Accounting	Cash Flow/Cash Out by Invoice
012	Accounting	Chart Of Accounts
013	Accounting	Chart of Accounts by Accounting Area
014	Accounting	Contact Admin



- Real Estate
- Facility Management
- Portfolio Management
- Event Management
- Controlling
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- Staff
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 - Overview 2
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 - Query generator (screen)
 - Analysis
 - Analysis Differentiation
 - Output Program
 - Report Ownership
 - Customizing User
 - Report Definition
 - Copy Rule
 - Output Format
 - Matrix Configuration
 - Special Reports

Results: 134 Page 1 From 2

[back to Configuration Overview](#)

Excel	XML	PDF	PDF/Optionen	Text	Email	txt
Booking Area	Project	Project Description	Project Type	Account Type	Account	Account Description
New Cairo Project	2014-Assist Ladger / CC	Assistant Ledger for Cost Centers	Costcenter Project	Cost Center	5002-01-1	MA-Elevator Maint. صيانة مصاعد
New Cairo Project	2014-Assist Ladger / CC	Assistant Ledger for Cost Centers	Costcenter Project	Cost Center	5003-07-1	Water Consumption
New Cairo Project	2014-Assist Ladger / CC	Assistant Ledger for Cost Centers	Costcenter Project	Cost Center	5003-06-1	Electricity Consumption
New Cairo Project	2014-Assist Ladger / CC	Assistant Ledger for Cost Centers	Costcenter Project	Cost Center	5001-01-1	AI-Security Services خدمات أمن
New Cairo Project	2014-Assist Ladger / CC	Assistant Ledger for Cost Centers	Costcenter Project	Cost Center	5001-02-1	AI-Housekeeping خدمات نظافة
New Cairo Project	2014-Assist Ladger / CC	Assistant Ledger for Cost Centers	Costcenter Project	Cost Center	5002-03-1	MA-Interior Security
New Cairo Project	2014-Assist Ladger / CC	Assistant Ledger for Cost Centers	Costcenter Project	Cost Center	5001-03-1	AI-Electricity Consumption استهلاك الكهرباء
New Cairo Project	2014-Assist Ladger / CC	Assistant Ledger for Cost Centers	Costcenter Project	Cost Center	5001-04-1	AI-Water Consumption استهلاك المياه
New Cairo Project	2014-Assist Ladger / CC	Assistant Ledger for Cost Centers	Costcenter Project	Cost Center	5001-05-1	AI-Landscape for Public Area المناطق العامة
New Cairo Project	2014-Assist Ladger / CC	Assistant Ledger for Cost Centers	Costcenter Project	Cost Center	5001-06-1	AI-Pest Control مكافحة حشرات
New Cairo Project	2014-Assist Ladger / CC	Assistant Ledger for Cost Centers	Costcenter Project	Cost Center	5001-07-1	AI-Other expenses مصروفات أخرى



It is: Life Time Solution &

- a. Oracle Enterprise Database.
- b. 100% web based with no Client installation.
- c. Access rights allocation at login.
- d. Fully customizable.
- e. Seamlessly integrated and scalable.
- f. Language is English / Arabic, Interface language English & Arabic.

English Language

- INT
- Real Estate
- Facility Management
- Portfolio Management
- Event Management
- Controlling
- Accounting
- Staff
- Document Management
- Default Values
- Reporting
- Administration
- CAD / BIM
- Security
- Self Service
- Start Page
- My Menu

Smart Building Solution

Main Application	Service Request	Dashboard	Warehouse Dash...	Weather	Calendar	Conference Room	Loan Item
Catering	Maintenance ch...	Cleaning	Workorder	Multi Checklists	Import	Visitor Security I...	Print Business Ca...
Key Management	Status Rental Uni...	Payments / Entry...	Relocation Order	iBMS	CRM Overview P...	Catering Register	SCADA

Arabic Language

Smart Building Solution

INT

- العقارات
- ادارة المرافق
- حقيبة الإدارة
- ادارة الحدث
- السيطرة على
- المحاسبه
- العمالين
- ادارة الوثائق
- القيم الافتراضيه
- التقارير
- الإدارة
- كاد
- الامن
- الخدمة الذاتية
- الرئيسيه
- My Menu

التطبيق الرئيسي	خدمة الحالة	لوحة القيادة	Warehouse Dash...	أداء	التقويم	غرفة المؤتمرات	بند القرض
تقديم الطعام	تغييرات الصيانة	تنظيف	طلبية العمل	قوائم	استيراد	إدارة الزائرين	Print Business Ca...
ادارة المفاتيح	نظرة عامة الملكية	تأكيد الفواتير	أمر إعادة التوطين	iBMS	CRM Overview P...	Catering Register	SCADA



For more information, please visit the official website
of FaMe FM – Arabic version
<https://www.fame-online.de/ar>

Or

Call: +2 01008670788