



INTEGRATED BILLING

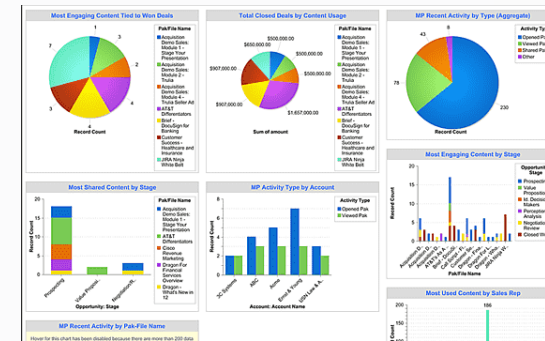
MODULE

– Integrated Billing Module, an Introduction

- **IBM** is a **Customizable Utility Billing** software application.
- It can integrate utility services, maintaining **accounts, billing and collection**, interface to meter reading system both **manual and automated**, service order processing, **payment interfaces**, and customer web access.

Key Features

1. **Lighter & Faster** – Developed using Asp.net,html5 , Bootstrap , css3, JS , JQuery, Ajax, web-service & MS SQL.
2. User **Customizable** Billing Format.
3. **Dashboard** based on user requirement.
4. Easy **Client Data Management**.
5. Multi-level **passwords** for multi-level authorization.
6. Dedicated **Payment module** for easy accounting.
7. **Online** screen for monitoring live & instantaneous parameters.
8. User configurable **alerts**.
9. Optional Email / SMS module.



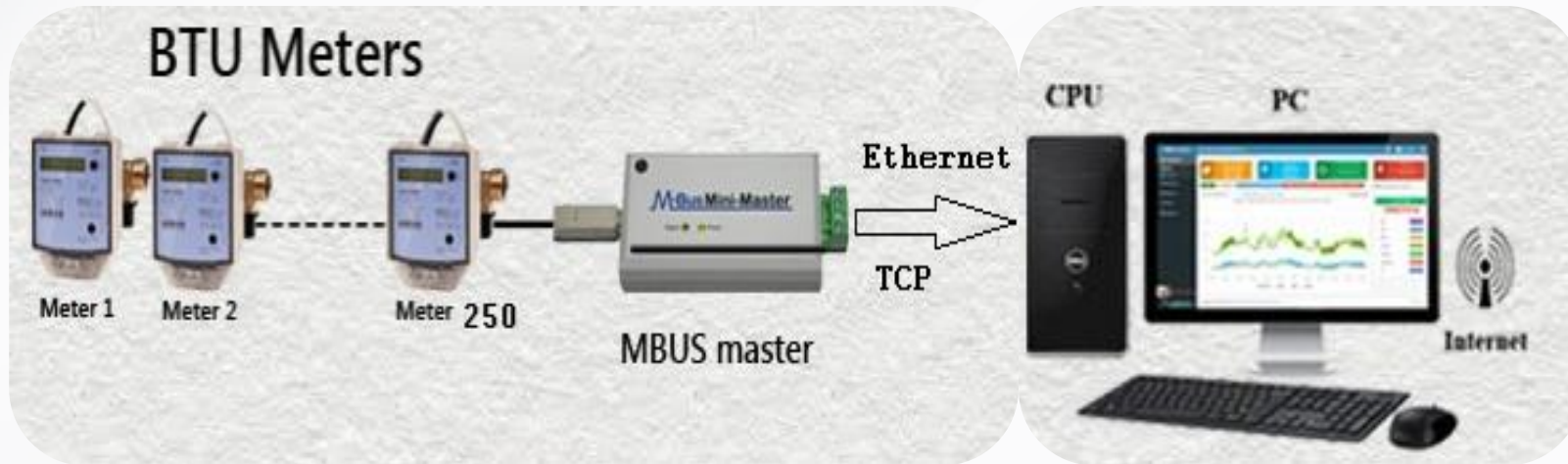
Advantages

- Easy integration with **any brands** of BTU, WATER & KWH meters.
- Billing Module available in both **Cloud & Desktop** based version.
- Compatible with **all major brands** of wired & wireless M-Bus masters
- Supports **M-Bus, Modbus, BACnet,** protocol.
- Easy integration with existing **Finance / ERP system (ORACLE/SAP)**
- Single application can support up to **5000** meters in On-premise and Unlimited with Professional Version



IBM Advanced DATA COMMUNICATION

1. Wired - Using IBM Advanced Desktop version Software



- Data communication through Serial/TCP from MBUS Masters
- Software communicate with master and store data automatically
- Bill can be generated from the Specific PC where the software is installed
- Data is stored in SQL server
- Data can be pushed to IBM 'Cloud'

IBM Advanced Features (On-premise)

- Collect data from any **MBUS**, **Modbus** Meters
- Collect data from BMS CSV file and Modbus registers from BMS.
- Push data to **BMS** as CSV file and as **BACnet** object
- Real-time Monitoring of all meters
- Meter **error log**
- User friendly Dashboard interface with graphs
- Manual Payment / Bulk Payment Entry
- Group Meters based on building, floor, and customer Name.
- Configurable meter **tariff**
- Customized Invoice template
- **Corporate email** configuration
- Invoice mailing to customer mail id
- **Bulk import option** for meter and client configuration
- Live Meter reading
- Meter Reading History
- Manual MBUS Valve Control
- Scheduled Valve control
- Schedulable data polling
- Configurable Currency
- Data pushing to IBM/Other clouds
- Meter reading import option
- Outstanding Bill wise and carry over
- Bill History bulk export option
- Multi User login with menu selection
- Technical videos and user manual
- 24/7 * 365 Support

Modules

1. Dashboard
2. Online
3. Configuration
4. Billing
5. Payment
6. Client Management
7. Data Management
8. Settings
9. Report

Dashboard



- Home
- Manage Bill
- Manage Payment
- Manage Client
- Manage Data
- Readings
- Settings
- Advance Settings
- Help

Dashboard



51694722.83 AED

Total Outstanding



606552.39 AED

Last Received



5548410.61 Energy kWh

Last Bill Energy

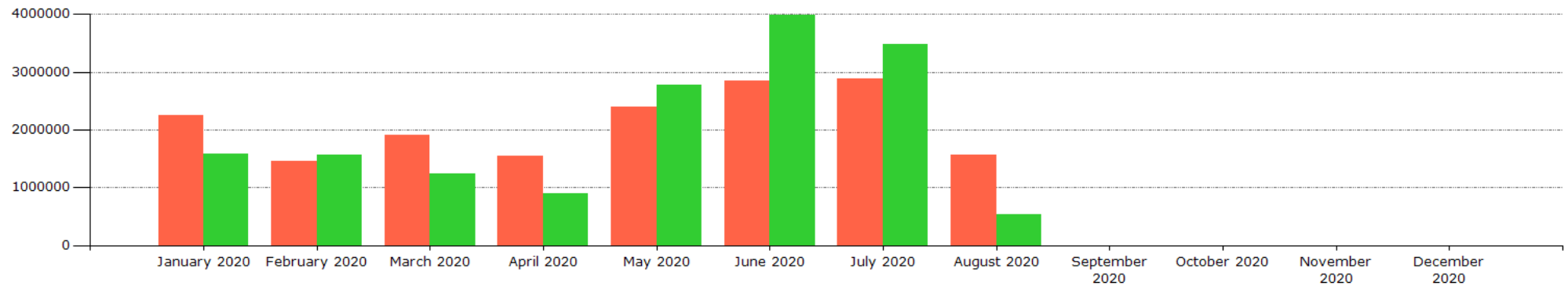


8554/11660

Active Connections



PAYMENT RECEIVED FOR 2020 JAN-DEC



Duration	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020
Bill Amount	2253573.21	1451756.76	1911515.07	1550143.75	2392866.46	2856563.1	2885343.71	1567300.41	0	0	0	0
Received Amount	1582928.53	1560690.33	1248245.74	886871.56	2780214.48	3988670.08	3482808.15	530081.09	0	0	0	0

Outstanding List

: Total
51694722.8

BILLDATE	TenantName	BILLNO	DueDate	BILLAMOUNT (in AED)	RECEIVEDAMOUNT (in AED)	OUTSTANDING (in AED)
15 Aug 2017	ABDUL MUTEEN HAFIZ MUH...	66531	30 Aug 2017	619.00	0.00	619.00
12 Jul 2017	ABDUL MUTEEN HAFIZ MUH...	78568	27 Jul 2017	659.00	0.00	659.00
01 Apr 2018	ABDUL MUTEEN HAFIZ MUH...	287752	16 Apr 2018	260.24	0.00	260.24
29 Apr 2018	ABDUL MUTEEN HAFIZ MUH...	293780	14 May 2018	325.43	0.00	325.43
11 Jul 2018	ABDUL MUTEEN HAFIZ MUH...	477076	26 Jul 2018	444.51	0.00	444.51
05 Aug 2018	ABDUL MUTEEN HAFIZ MUH...	485336	20 Aug 2018	423.48	0.00	423.48
02 Sep 2018	ABDUL MUTEEN HAFIZ MUH...	496531	17 Sep 2018	490.25	0.00	490.25
19 Oct 2018	ABDUL MUTEEN HAFIZ MUH...	506473	03 Nov 2018	300.36	0.00	300.36
01 Nov 2018	ABDUL MUTEEN HAFIZ MUH...	512539	16 Nov 2018	279.97	0.00	279.97

Configurable Billing Module



IBM Integrated Billing Module Advanced 2.4.0.0



- Home
- Manage Bill
- Manage Payment
- Manage Client
- Manage Data
- Readings
- Settings
- Advance Settings
- Help

Formula Builder

Formula Master Formula Builder

Master

Type

Previous Reading [PreviousReading of Energy]	Present Reading [PresentReading of Energy]	Consumption [Consumption of Energy]	Consumption TR [Consumption of Energy]*0.2844	cooling tariff 0.66	RTH [Numeric of RTH]	RT tariff (62.5/[NoOfDaysinMonth])*[NoOfBillingDays]
NA	Empty	Empty				

Client On-Boarding & Data Management



IBM

INTEGRATED BILLING
MODULE

Home

Manage Bill

Manage Payment

Manage Client

Manage Data

Readings

Settings

Advance Settings

Help

Client Profile

First Name

Last Name

Email

Mobile Number

Date of Birth

LandLine Number

TRN

Middle Name

Tenant Name

Address

WhatsApp (971xx)

Office Number

Due Days

☐ SMS

☐ Email

☐ Whatsapp

Image

Upload

IBM

INTEGRATED BILLING
MODULE

Home

Manage Bill

Manage Payment

Manage Client

Manage Data

Readings

Settings

Advance Settings

Help

Client Meter

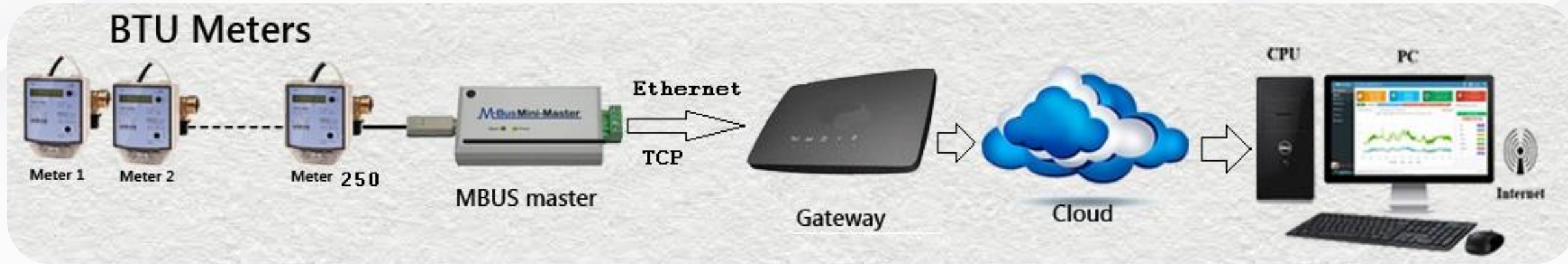
Search

Export

Manage Nodes

TenantName	Address	MobileNumber	OfficeNumber	MeterName
RAJNEESH VERMA RAJNEESH VERMA		971504517657		35944954,35956012
MANJUNATH MADHAV KEETANI		971505514056		35955907
RAHUL GARG RAHUL GARG		971526415791		35944954
VINOLA AGNES ALMEIDA VINOLA AGNES ...		971507546247		35945003
BRANDS KONNET GENERAL TRADING LLC		971555077509		34317372
ASHRAF NELLIKKAL FUAD ASHRAF NELLI...		971502641664		35792617
CHARBEL ABI KHALIL		971504677552		35919066
ALBERTO STEPHEN MIGUEL FERNANDES		971508568548		35943913
ANTONIO PAIANO ANTONIO PAIANO		971529179321		47822114
DANIEL DAOUD		971507749615		35960856
HANI HUSEIN DAHLEH		971503627281		35960927
ASMAA WALID KACHLAN		971552280409		38060761
CONSTANTINE ELIOPOULOS		971509028891		38060765
MONIKA BAJEK		971501415393		38060784
CARLOS AUGUSTO BASTOS PETITTINGA				38061015
Saleh Mohammed Yammout Saleh Moham...		-		38061009
Kinan Al Sineh Kinan Al Sineh		971509890883		38061012
VIP INTERNATIONAL SECURITY SERVICES		971505797999		34317597
ABDULLAH HILAL KALAF AL FAOURI ABD...		971563072344		35956110
RAJIV RADHAKRISHNAN		971501199648		35955939
KHALED GHARBI				35944936
JOHAN MANUEL MURILLO POLANIA JOHAN...		971506896719		66235235
SHARIA SEMEEN SHARIA SEMEEN		971551384278		66235554
NASCO KARAOGLAN GULF LLC		971504584248		61765649
KAREM MAHMOUD		971501356949		66235315
TALEIH AL HALABY		971502083014		35945022
HAYTHAM MARZOUK NASR		971557608558		35944928
STEFANO PAOLUCCI		971507313259		66235420
JUNAID SHAMIM AHMED JUNAID SHAMIM ...		971501029533		66235255
AHMED MOHAMED SAMY MAHMOUD ALY ...		971564662215		47822107
CELINE BARAKAT		971529026445		66235318
NAHLA SAAD		971566834331		66235403
Nada Harb Nada Harb		971506408516		66235358
CATHERINE HERKES		971503084450		66235140
FRANCOIS HENDRIK NEL		971562254915		66235229

IBM Browser / Cloud DATA Communication



- IBM Gateway acquire data from M-BUS Master devices and push the same to cloud using Ethernet / GPRS on HTTP Protocol.
- Data can be pushed from IBM Advanced (On-premise) to IBM Cloud server.

Over all Schematic

1. Customer Registration Process
2. Owner Registration Process
3. Renewal Process
4. Data Validation & Invoice Issuance
5. Final Bill Issuance
6. Move out Process
7. Collection Process
8. Disconnection Process

Collection Process

Monthly Invoice Email First Payment Remainder Final Payment Remainder



Maintenance



Customer's



Management



Business Support



Collection Department



Accounts

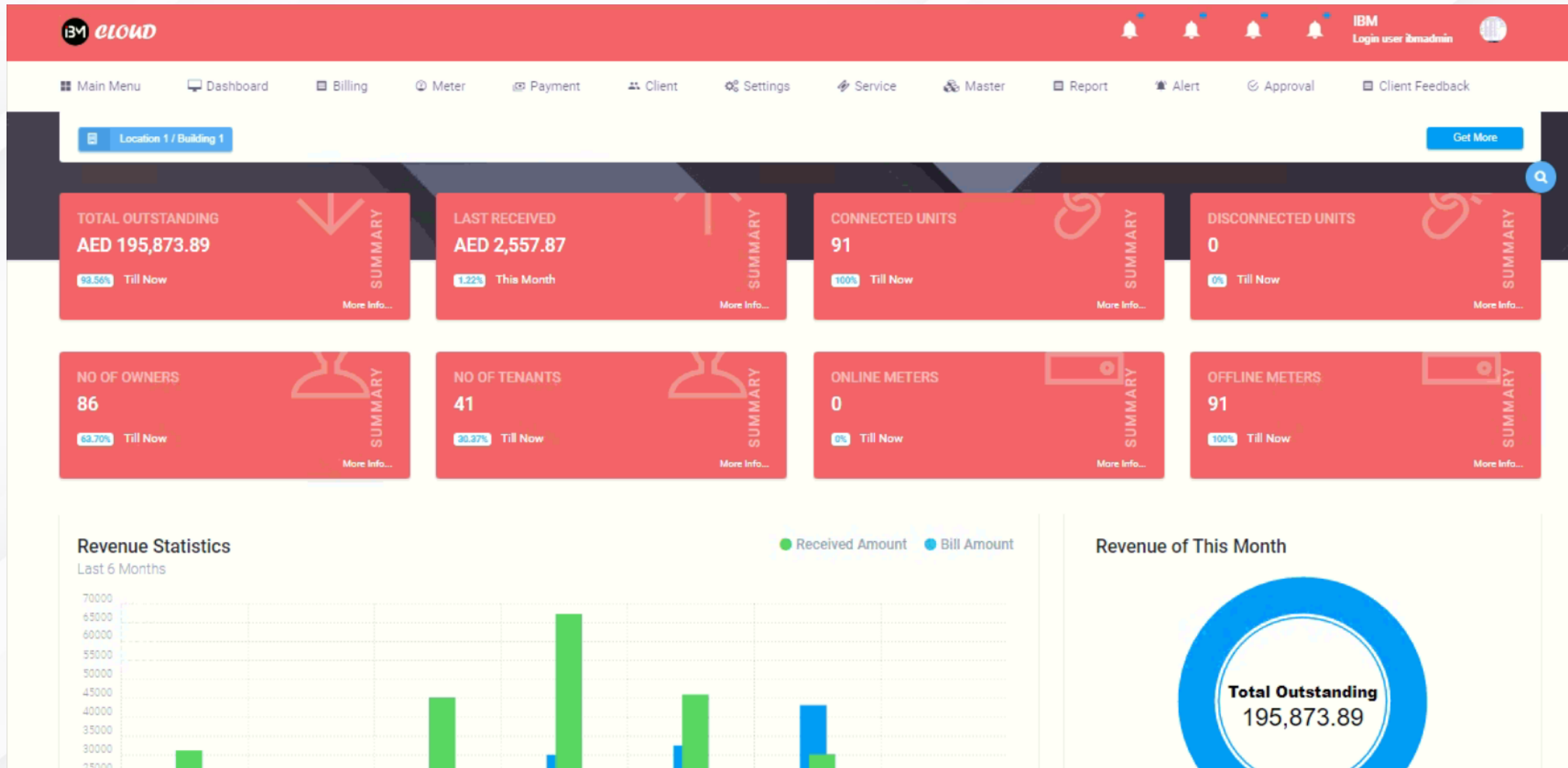
IBM Cloud Features

- Send Bill to tenants through **WhatsApp & Email**
- **Automated** Bill Generation
- Live data analysis from anywhere – **Mobile APP**
- **Individual Login** for all tenants
- Online & manual Payment Entry
- **Payment Gateway Integration** depends on Customer Requirement.
- User friendly Dashboard interface with graphs.
- Group Meters based on building, floor, and customer Name.
- Online Billing with Customized Invoice
- Real-time Monitoring of all meters
- Meter Error log list
- Quick installation & configuration
- **Invoice auto mail based on trigger date**
- **High and low consumption alert** while invoice generation
- Meter Disconnection and Reconnection

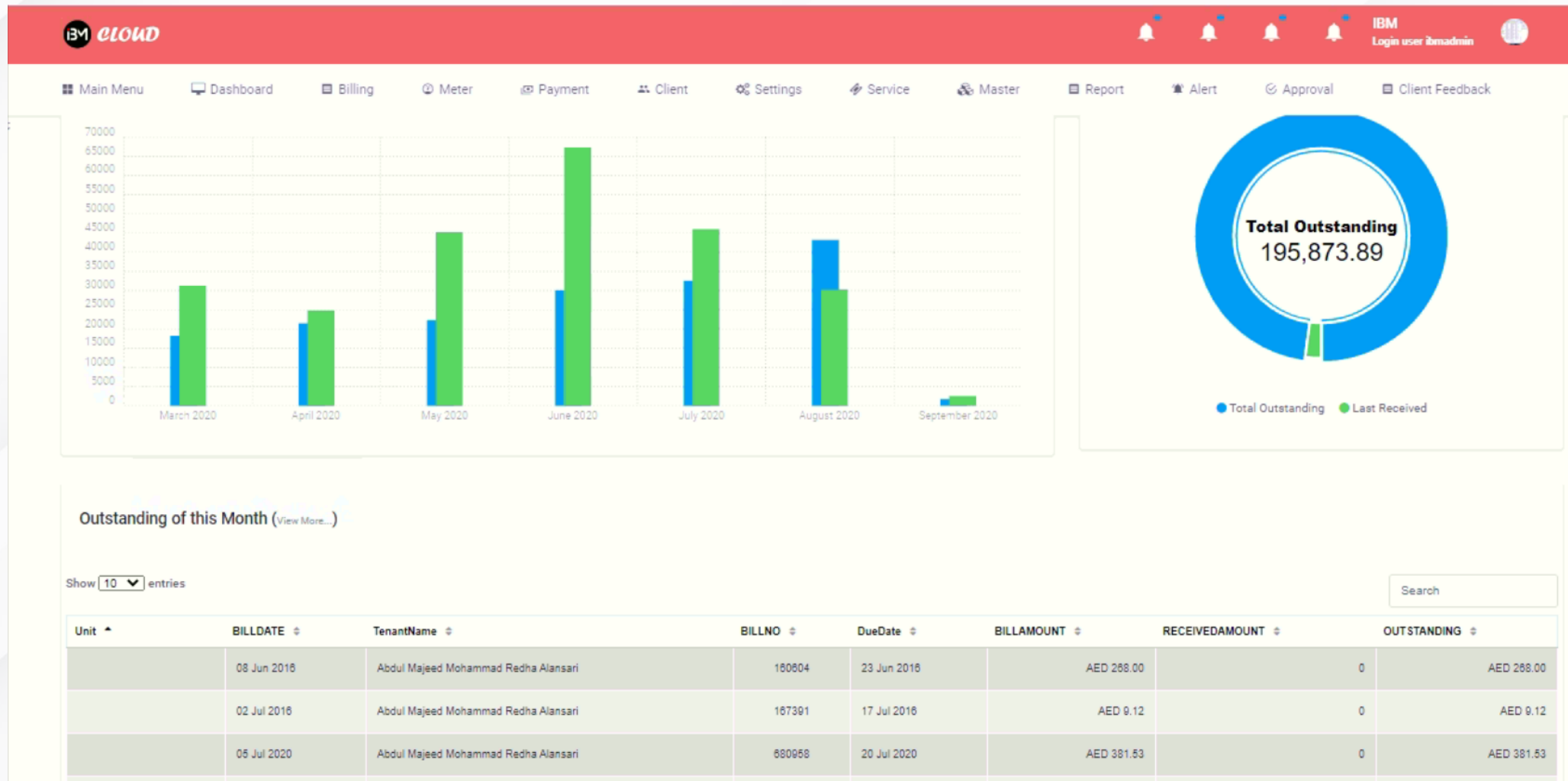
- Customizable invoice mail template
- Customizable payment reminder template
- **PDC approval** for cheque.
- **Configurable hierarchical approval** levels
- Bulk payment import
- Credit Note creation
- **Average Billing**
- **Final bill request**
- **Security deposit generation & refund**
- **Customer feedback entry**
- **Ticketing system for the users**
- Interfacing Data to any other Finance system (**ORACLE/SAP**)
- Data collection from BMS
- 24/7 * 365 Support...And Many more



Dashboard



Dashboard





User creation and Assigning Menu

[illegible]

Live Display



IBM
Login user ibmadmin

Main Menu Dashboard Billing Meter Payment Client Settings Service Master Report Alert Approval Client Feedback

Live Display

Meter Name

Select All

35945021-802, 35955896-805, 35956115-807, 3595594

Parameter

Energy, Flow Temperature, Power, Return Temperature,

Mode

Offline

Search

Page

Out 1 of 12

35944939-101

Energy kWh	0.00
Flow Temp °C	0.00
Power W	0.00
Return Temp°C	0.00
Temp Dif K	0.000
Volume m3	0.00
Vol Flow m3/h	0.00

15:30

35955948-102

Energy kWh	0.00
Flow Temp °C	0.00
Power W	0.00
Return Temp°C	0.00
Temp Dif K	0.000
Volume m3	0.00
Vol Flow m3/h	0.00

15:30

35956031-103

Energy kWh	0.00
Flow Temp °C	0.00
Power W	0.00
Return Temp°C	0.00
Temp Dif K	0.000
Volume m3	0.00
Vol Flow m3/h	0.00

15:30

35956109-104

Energy kWh	0.00
Flow Temp °C	0.00
Power W	0.00
Return Temp°C	0.00
Temp Dif K	0.000
Volume m3	0.00
Vol Flow m3/h	0.00

15:30

35944973-105

Energy kWh	0.00
Flow Temp °C	0.00

35956126-106

Energy kWh	0.00
Flow Temp °C	0.00

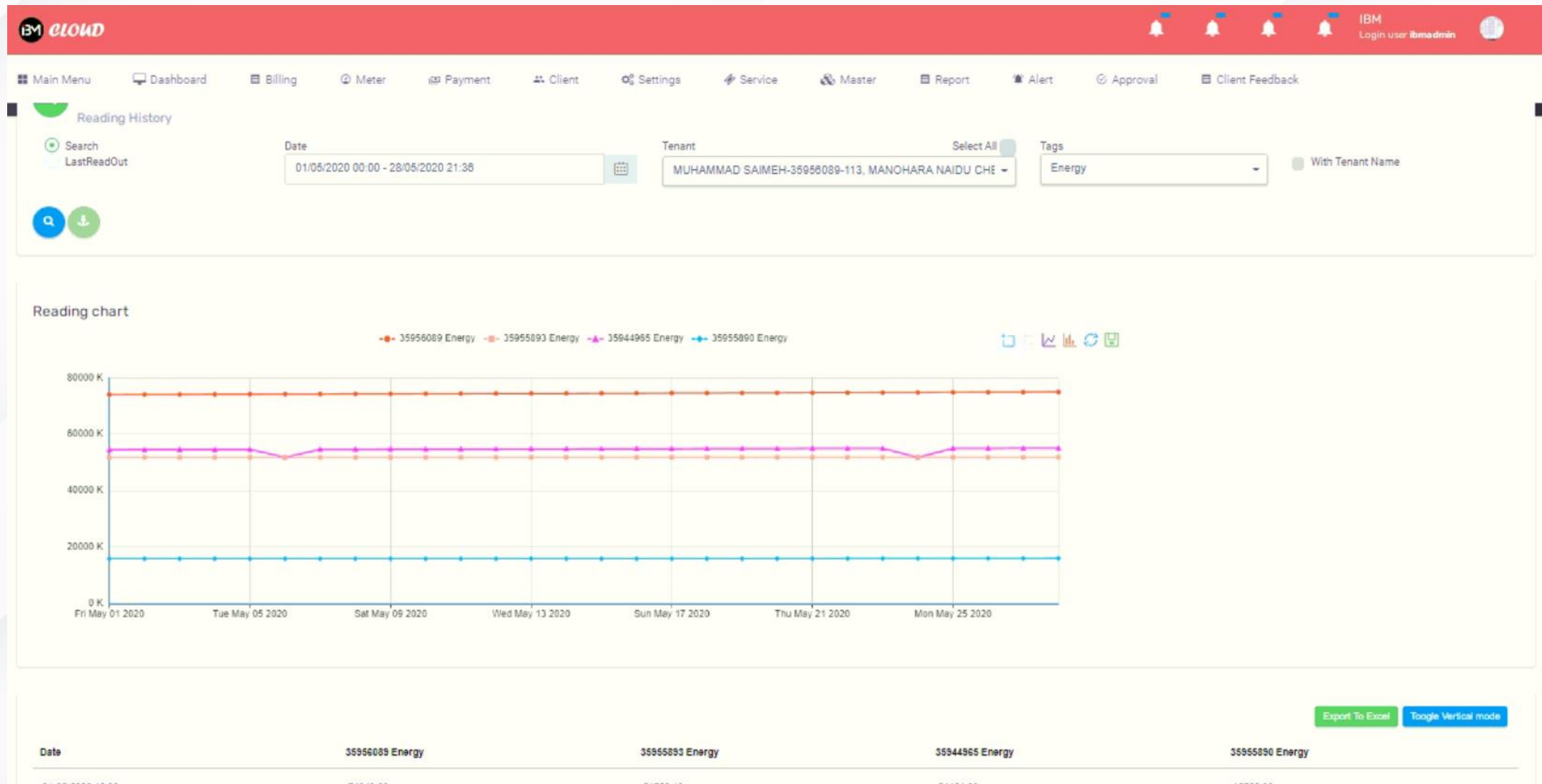
35955893-107

Energy kWh	0.00
Flow Temp °C	0.00



35955848-108

Energy kWh	0.00
Flow Temp °C	0.00

Reading History



Customer Feedback entry

Main Menu
Dashboard
Billing
Meter
Payment
Client
Settings
Service
Master
Report

Location 1 / Building 1

Feedback Todo List

Client Feedback that need to remind

Today
Tomorrow
Day After Tomorrow

Unit	Client	Feedback	SubCategory	Call Date	Remarks
Check more					

Feedback Followups

Client Feedback calls that need to Followup

Unit	Client	Feedback	SubCategory	Call Date	Remarks
Check more					

Feedback Processing

Client Feedback calls that under processing

Unit	Client	Feedback	SubCategory	Call Date	Remarks
Check more					

Feedback Completed

Client Feedback calls that Completed

Unit	Client	Feedback	SubCategory	Call Date	Remarks
Check more					

Formula Builder

Main Menu
Dashboard
Billing
Meter
Payment
Client
Settings
Service
Master
Report

Location 1 / Building 1

Formula Builder

Create Formula under each Master

METROPOLIS


Main Label





Additional Label

you can add main Labels Below


Previous Reading [PreviousReading of Energy]	Present Reading [PresentReading of Energy]	Consumption [Consumption of Energy]	Consumption TR [Consumption of Energy]*0.2844
cooling tarrif 0.66	RTH [Numeric of RTH]	RT tarrif (62.5/[NoOfDaysinMonth])* [NoOfBillingDays]	NA

Bill Creation




IBM
 Login user: ibmadmin





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[Settings](#)
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[Approval](#)
[Client Feedback](#)


Bill Creation
 Create Bill for the Selected Dates

Format
 SAPHIRE RESIDENCE



Type
 Invoice

Date Range
 01/08/2020 00:00 - 31/08/2020 23:59

Summary

Total Tenant	38
Total Owner	48









☐ Owner/Tenant


	Customer Name	Building	Unit No
<input checked="" type="checkbox"/> Tenant	HAYTHAM MARZOUK NASR	Building 1	208
<input type="checkbox"/> Tenant	MUHAMMAD SAIMEH	Building 1	113
<input type="checkbox"/> Tenant	MIRZA LISICA	Building 1	504
<input type="checkbox"/> Tenant	YUVARAJ MURUGESAN	Building 1	205
<input type="checkbox"/> Tenant	MANOHARA NAIDU CHEEKATI	Building 1	107
<input type="checkbox"/> Tenant	VISHAL MUDDAPPA ICHETTIRA POOVAIAH	Building 1	211

1 Customer selected

Payment Entry



IBM
Login user **ibmadmin**


Main Menu
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Payment
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Settings
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Master
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Alert
Approval
Client Feedback

Location 1 / Building 1

Get More

Search

Pending Bills

List all pending bills generated

☒ By UnitNo

Building 1-505, Building 1-402, Building 1-301, Building 1-201

Search

Show 10 entries

Search

Name	UnitNo	Action
DEYAAR DEVELOPMENT PJSC	Building 1--201, Building 1-301	Pay
Ismail Abdulsalam Abdulla Ali Naqi	Building 1--201	Pay
KHALID ABDALLA SAEED SALEH ALHAJRI	Building 1--413	Pay
Murtaza Master	Building 1--402	Pay

Showing 1 to 4 of 4 entries

Previous
1
Next

Payment

Create Payments

CustomerName
Ismail Abdulsalam Abdulla Ali Naqi

ExcessAmount
0

Outstanding
AED 2,591.44

Date*
07/09/2020

Calendar

Payment Mode
Nothing selected

Bank
Select Bank

Administrator

Paying Amount*

-
0
+

Pay icon

Adjust

Balance Amount

-
2591.44
+

Pay icon

Filter Area



Location
All selected

Building
All selected

Floor
All selected

Search

Customer Ticket Module



[Main Menu](#) [Dashboard](#) [Billing](#) [Meter](#) [Payment](#) [Client](#) [Settings](#) [Service](#) [Master](#) [Report](#)

Location 1 / Building 1

Support Ticket List

List of ticket opened by customers





2
Total Tickets

0
Processing

2
Completed

0
Pending

All

Tenant Name	Service No	Issue Type	Date	Meter Name	Issue Description	Status	Edit
null	LPSR002	Others	12 May 2019	58758670	Chiller Bill High	Completed	 
null	LPSR001	Others	12 May 2019	58758670	Chiller Bill High	Completed	 



User Task Creation Module

Main Menu

Dashboard

Billing

Meter

Payment

Client

Settings

Service

Master

Report

A

 Location 1 / Building 1

Support Ticket List

List of ticket opend by customers

0

Open

0

Processing

0

Closed

0

Pending

0

Hold

0

Cancel

My Ticket

Inbox

SendItem

All Tickets

Add New Ticket

No Data to Display



Thank
you.