

# Billing Information System "BIS-1"

## Overview

- "BIS-1" is a flexible and customized Software Providing a comprehensive solution for Billing system.
- Any Device from Any Vendor communicating on M-Bus can be integrated in the BIS-1.
- Monthly Bills with informative Graphs can easily be generated.
- WWW Interface for Users and Administrator.

ID	Time	User
03078732	2011-10-03 12:04	Dr.Hoshan
04852458	2011-10-03 12:04	Mr. Albert

ID	Address	Manufacturer	Type	Description
03078732	1394	SIEMENS	ELECTRICITY	Dr.Hoshan

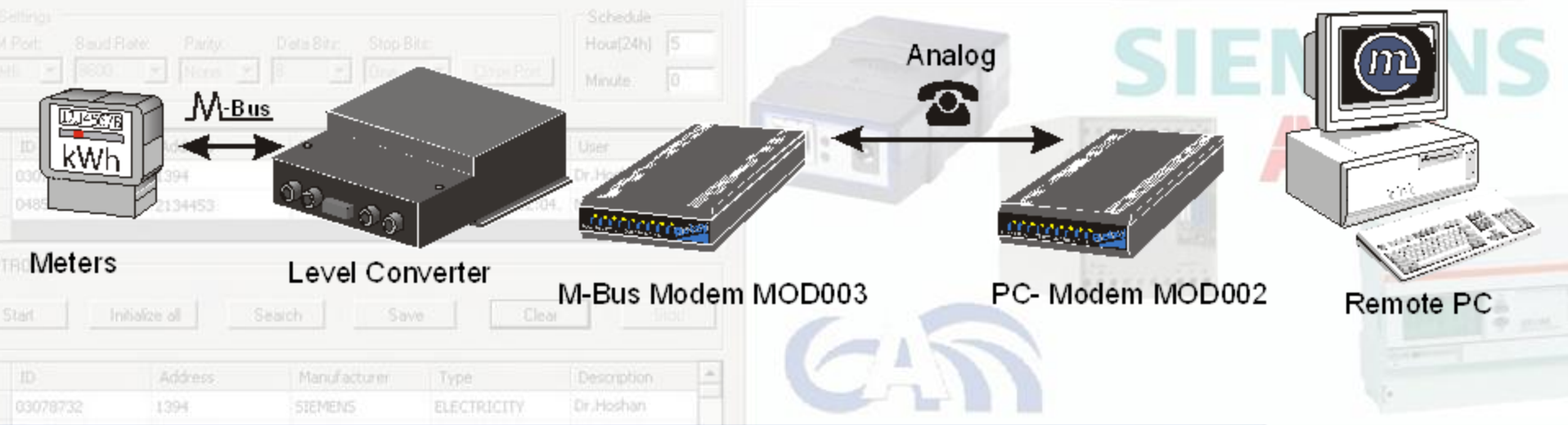


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# Billing Information System "BIS-1"

## "System Architecture"

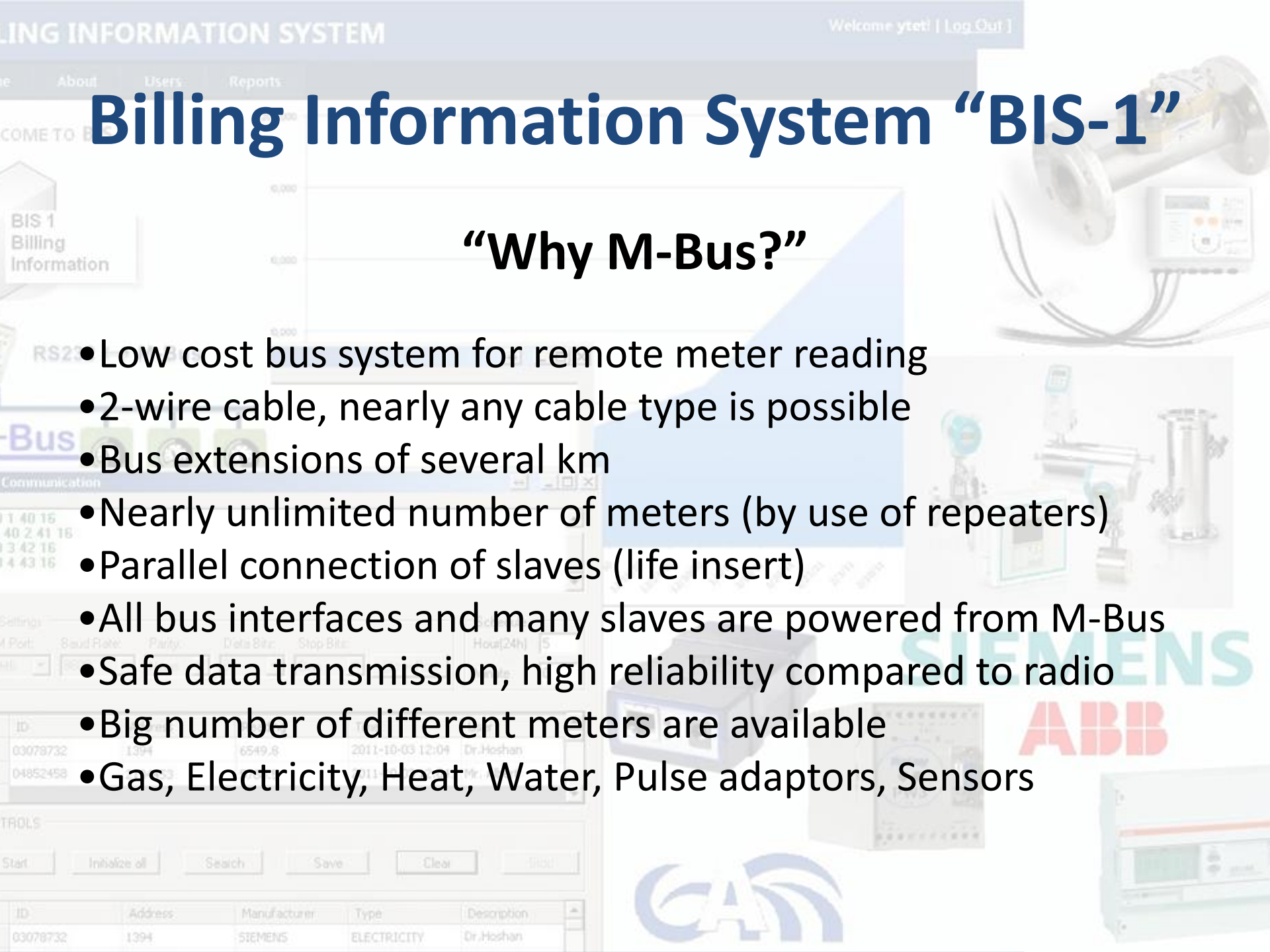


ID	Address	Manufacturer	Type	Description
03078732	1394	SIEMENS	ELECTRICITY	Dr.Hoshan

# Billing Information System "BIS-1"

## "Why M-Bus?"

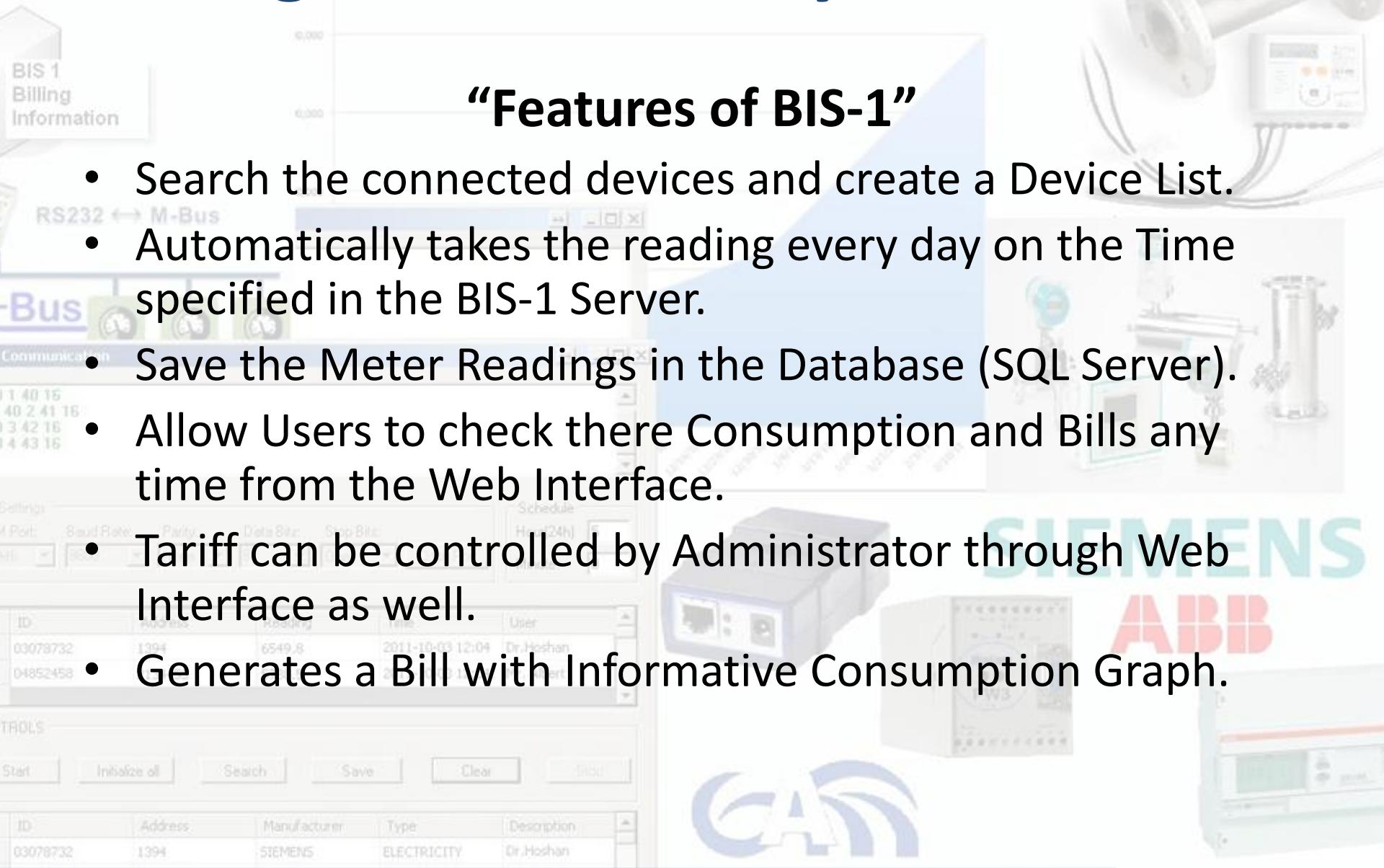
- Low cost bus system for remote meter reading
- 2-wire cable, nearly any cable type is possible
- Bus extensions of several km
- Nearly unlimited number of meters (by use of repeaters)
- Parallel connection of slaves (life insert)
- All bus interfaces and many slaves are powered from M-Bus
- Safe data transmission, high reliability compared to radio
- Big number of different meters are available
- Gas, Electricity, Heat, Water, Pulse adaptors, Sensors



# Billing Information System "BIS-1"

## "Features of BIS-1"

- Search the connected devices and create a Device List.
- Automatically takes the reading every day on the Time specified in the BIS-1 Server.
- Save the Meter Readings in the Database (SQL Server).
- Allow Users to check there Consumption and Bills any time from the Web Interface.
- Tariff can be controlled by Administrator through Web Interface as well.
- Generates a Bill with Informative Consumption Graph.



# Billing Information System "BIS-1"

## "BIS-1 Server"

**Port Communication**

```

10 40 1 40 16
E510 40 2 41 16
10 40 3 42 16
10 40 4 43 16

```

Port Settings: COM6, Baud Rate: 9600, Parity: None, Data Bits: 8, Stop Bits: One, Close Port

Schedule: Hour(24h) 5, Minute 0

ID	Address	Manufacturer	Type	Description
03078732	1394	SIEMENS	ELECTRICITY	Dr.Hoshan
04852458	2134453	SIEMENS	ELECTRICITY	Mr. Albert

CONTROLS

Start Initialize all Search Save Clear Stop

ID	Address	Reading	Time	User
03078732	1394	6549.8	2011-10-03 12:04	Dr.Hoshan

[support@asmestablishment.com](mailto:support@asmestablishment.com)



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Navigation: Home, About, Users, Reports

RS232 ↔ M-Bus

BIS 1 Billing Information

Communication

Settings: COM6, Baud Rate: 9600, Parity: None, Data Bits: 8, Stop Bits: One

ID	Address	Reading
03078732	1394	6549.8
04852458	2134453	5788.5

CONTROLS

Start Initialize all Search

ID	Address	Manufacturer	Type	Description
03078732	1394	SIEMENS	ELECTRICITY	Dr.Hoshan

# Billing Information System "BIS-1"

## "BIS-1 Report Generation using Web Interface"

**BILLING INFORMATION SYSTEM**
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**WELCOME TO BIS**

Monthly Report of the Readings.

<b>Dr. Hari</b>	
Latest Reading.	12586.36
Previous Reading.	10869.65
Total Reading.	1716.71
Amount to Pay.	2060.052

Bill Date            Oct 11 2011  
 Due Date            Oct 30 2011

Date	Reading Value
9/30/10	0
10/7/10	~100,000
10/14/10	~200,000
10/21/10	~300,000
10/28/10	~400,000
11/4/10	~500,000
11/11/10	~600,000
11/18/10	~700,000
11/25/10	~800,000
12/2/10	~900,000
12/9/10	~1,000,000
12/16/10	~1,100,000
12/23/10	~1,200,000
12/30/10	~1,300,000
1/6/11	~1,400,000
1/13/11	~1,500,000
1/20/11	~1,600,000
1/27/11	~1,700,000
2/3/11	~1,800,000
2/10/11	~1,900,000

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# Billing Information System "BIS-1"

**"We shape it according to your needs"**

- Fully Customized according to the requirements.
- Other Protocols can also be integrated in case if you have different device working on different protocols.
- Reports can be customized according to the requirement.
- Automatic report printing can be implemented.
- Current Consumption, Health of Meters and other parameters can be displayed, according to the type of device.

ID	Address	Reading	Time	User
03078732				
04852458	2134453	5788.5	2011-10-03 12:04	Mr. Albert

CONTROLS

Start Initialize of Search Save Clear Print

ID	Address	Manufacturer	Type	Description
03078732	1394	SIEMENS	ELECTRICITY	Dr.Hoshan

