



# M1 FLEET ENTERPRISE

UNDERSTAND YOUR FLEET

**TRAMIGO™**  
The Best Selling Vehicle Tracker

# M1 Fleet Enterprise



## New Improved FREE PC Software for Fleet Monitoring



Tramigo now offers **M1 Fleet Enterprise Software** which is a client-server based architecture for fleet service providers, recovery service providers and very large fleets.

# About



## M1 Fleet Enterprise (CLIENT)

A desktop application that can be installed in multiple Windows PC that access the central database stored in a server.

An M1 Fleet advance software released in year 2012 with special features made for larger fleet management.

A business-based program to increase profitability in fleet management system.



# Key Features



- Client-Server architecture
- Upgraded UI for viewing whole fleet activity
- Multiple modem support for bigger fleets
- Message management
- Faster processing of messages
- Faster data exporting
- Database management
- Live tracking
- Breadcrumb trail now shows data
- Map options
- Supports map cache that can be use during "offline" times
- Organized chart for fleet reports summary
- Easier way to search for past location reports
- User level access
- Fleet management security

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## Technical Information

# M1 Fleet Enterprise Components



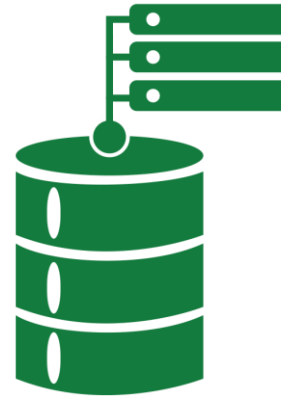
M1 Fleet Enterprise Software is composed of 4 major components:



**M1 Message Server**  
A service application that handles the SMS.



**M1 GPRS Server**  
A service application that handles the GPRS communication of Tramigo devices.



**M1 Database**  
Supports SQL server database engine for storing data.



**M1 Communication Server**  
A service application that handles the data request of M1 Fleet Enterprise Client.

# M1 Fleet Enterprise Requirements



## Database Server Components

| Component                | Requirement                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                | Processor type: <ul style="list-style-type: none"><li>Minimum: AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support, Intel Core Duo, Intel Core 2 Duo, Intel i3, Intel i5, Intel i7</li></ul> Processor speed: <ul style="list-style-type: none"><li>Minimum: 1.4 GHz</li><li>Recommended: 2.0 GHz or faster</li></ul> |
| Operating system         | For larger fleet (100 or more vehicles): <ul style="list-style-type: none"><li>Windows Server 2003</li><li>Windows Server 2008</li></ul> For smaller fleet ( less than 100 vehicles): <ul style="list-style-type: none"><li>Windows XP 32 bit / 64 bit</li><li>Windows 7 32 bit / 64 bit</li><li>Windows Vista SP2</li></ul> Windows XP SP3 (must be up to date)       |
| Minimum Video Resolution | 1024 x 768                                                                                                                                                                                                                                                                                                                                                             |
| Memory                   | RAM: <ul style="list-style-type: none"><li>Minimum:1 GB</li><li>Recommended: 2 GB</li><li>Note: <i>Add additional 2 GB for stand-alone installations.</i></li></ul>                                                                                                                                                                                                    |
| Hard Disk Space          | 3.6 GB of available disk space on the system drive                                                                                                                                                                                                                                                                                                                     |

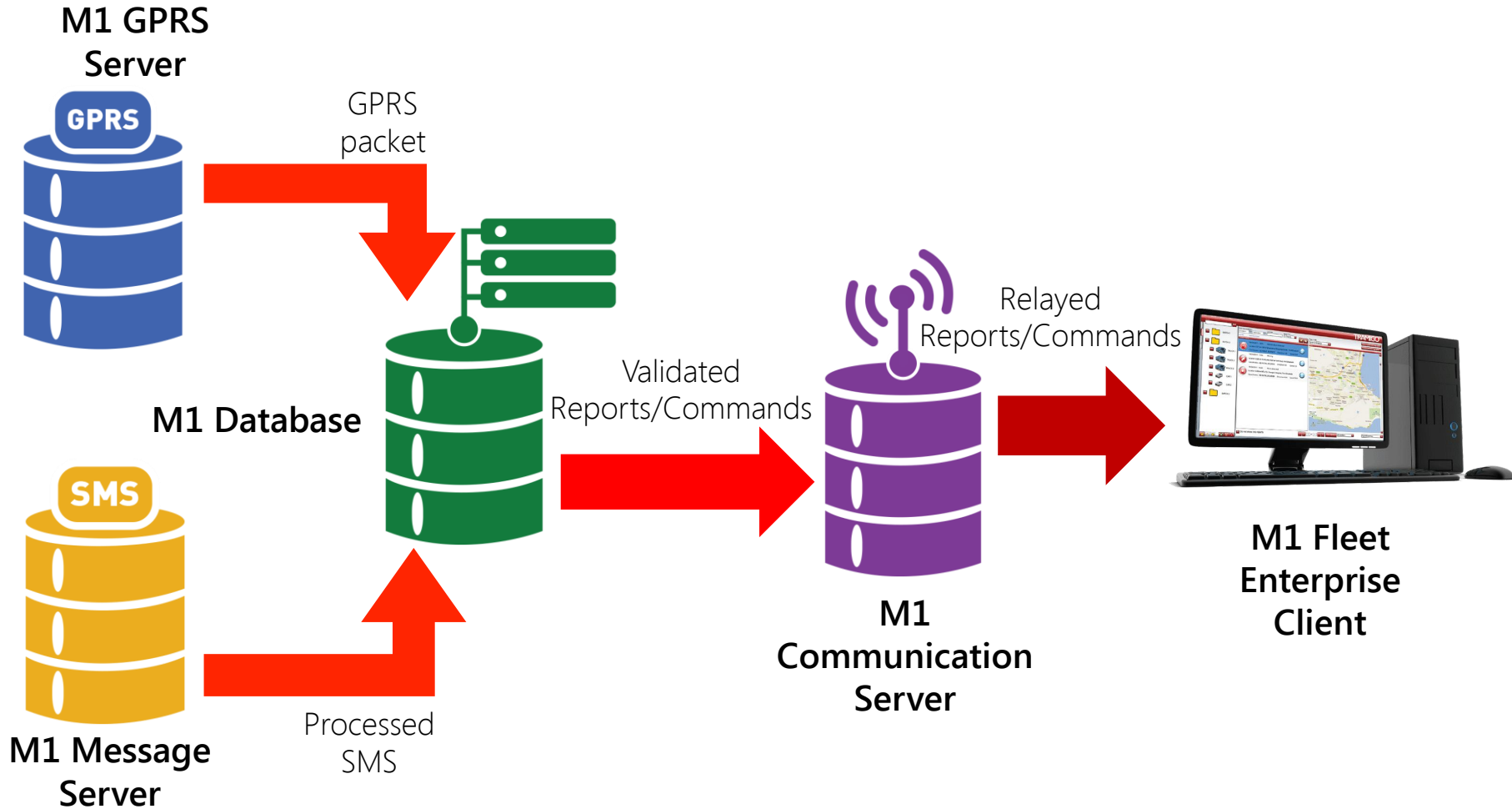
# M1 Fleet Enterprise Requirements



## M1 Fleet Enterprise Communication Server / Message server / M1 Fleet Enterprise Server

| Component                | Requirement                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                | <p>Processor type:</p> <ul style="list-style-type: none"><li>Minimum: AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support, Intel Core Duo, Intel Core 2 Duo, Intel i3, Intel i5, Intel i7</li></ul> <p>Processor speed:</p> <ul style="list-style-type: none"><li>Minimum: 1.4 GHz</li><li>Recommended: 2.0 GHz or faster</li></ul>   |
| Operating System         | <p>For larger fleet (100 or more vehicles):</p> <ul style="list-style-type: none"><li>Windows Server 2003</li><li>Windows Server 2008</li></ul> <p>For smaller fleet ( less than 100 vehicles):</p> <ul style="list-style-type: none"><li>Windows XP 32 bit / 64 bit</li><li>Windows 7 32 bit / 64 bit</li><li>Windows Vista SP2</li><li>Windows XP SP3 (must be up to date)</li></ul> |
| Minimum Video Resolution | 1024 x 768                                                                                                                                                                                                                                                                                                                                                                             |
| Memory                   | <p>RAM:</p> <ul style="list-style-type: none"><li>Minimum:1 GB</li><li>Recommended: 2 GB</li><li>Note: <i>Add additional 2 GB for stand-alone installations.</i></li></ul>                                                                                                                                                                                                             |
| Disk Space               | At least 50 MB of disk space for each system module                                                                                                                                                                                                                                                                                                                                    |

# M1 Fleet Enterprise Process Flow



# M1 Fleet Enterprise Deployment Option



M1 Fleet Enterprise (Client-Server) can be installed in different set ups in which you can maximize the use and the number of users.



## **1-2-ALL INSTALLATION (STAND-ALONE)**

- 1 SERVER/PC for all major M1 FE components (M1 Message Server, M1 GPRS Server, M1 Communication Server, M1 Database)
- 2 WAYS to access
  - *LOCALLY* – through a network (wired/wireless) via server IP address
  - *REMOTELY* – through the internet via server *Internet Assigned IP Address*
- ALL other clients/PC connections are allowed to access the server



## **4-2-ALL INSTALLATION (SCALABLE)**

This kind of installation refers to major M1 FE components division

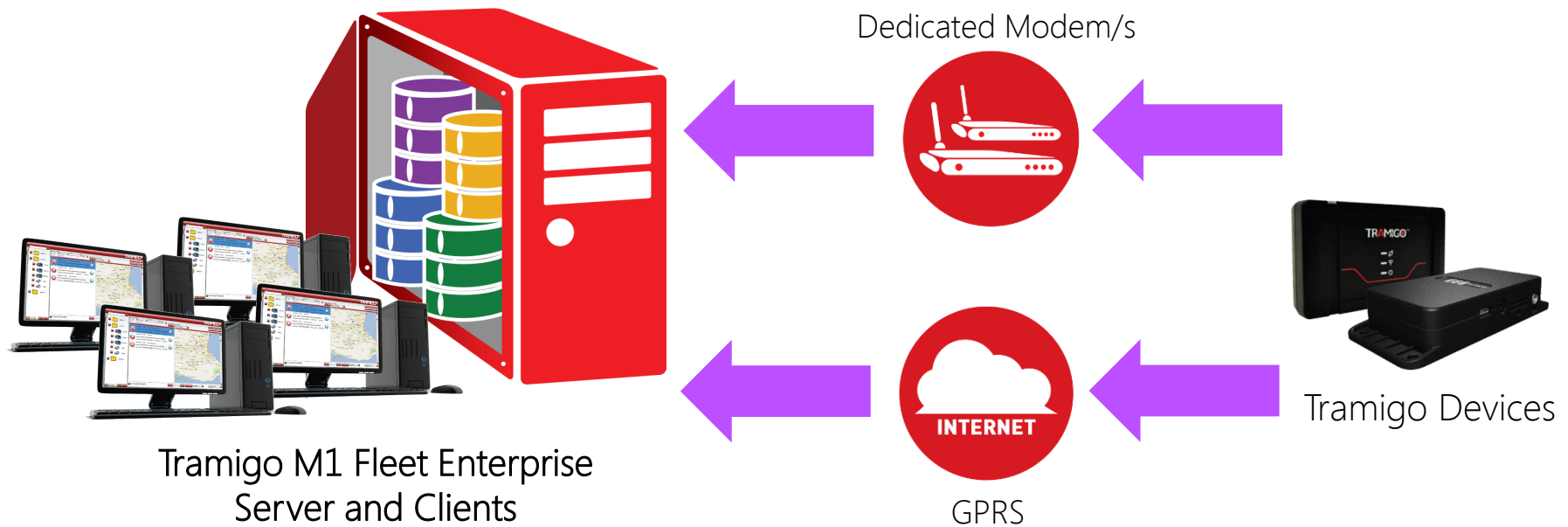
- 4 SERVER/PC for all major M1 FE components
- 2 WAYS to access
- ALL other clients/PC connections are allowed to access the server

# M1 Fleet Enterprise Deployment Option



M1 Fleet Enterprise (Stand Alone) is the standard set up for advanced fleet monitoring. This is the setup wherein modem/s are directly connected and all components are installed in a single unit PC.

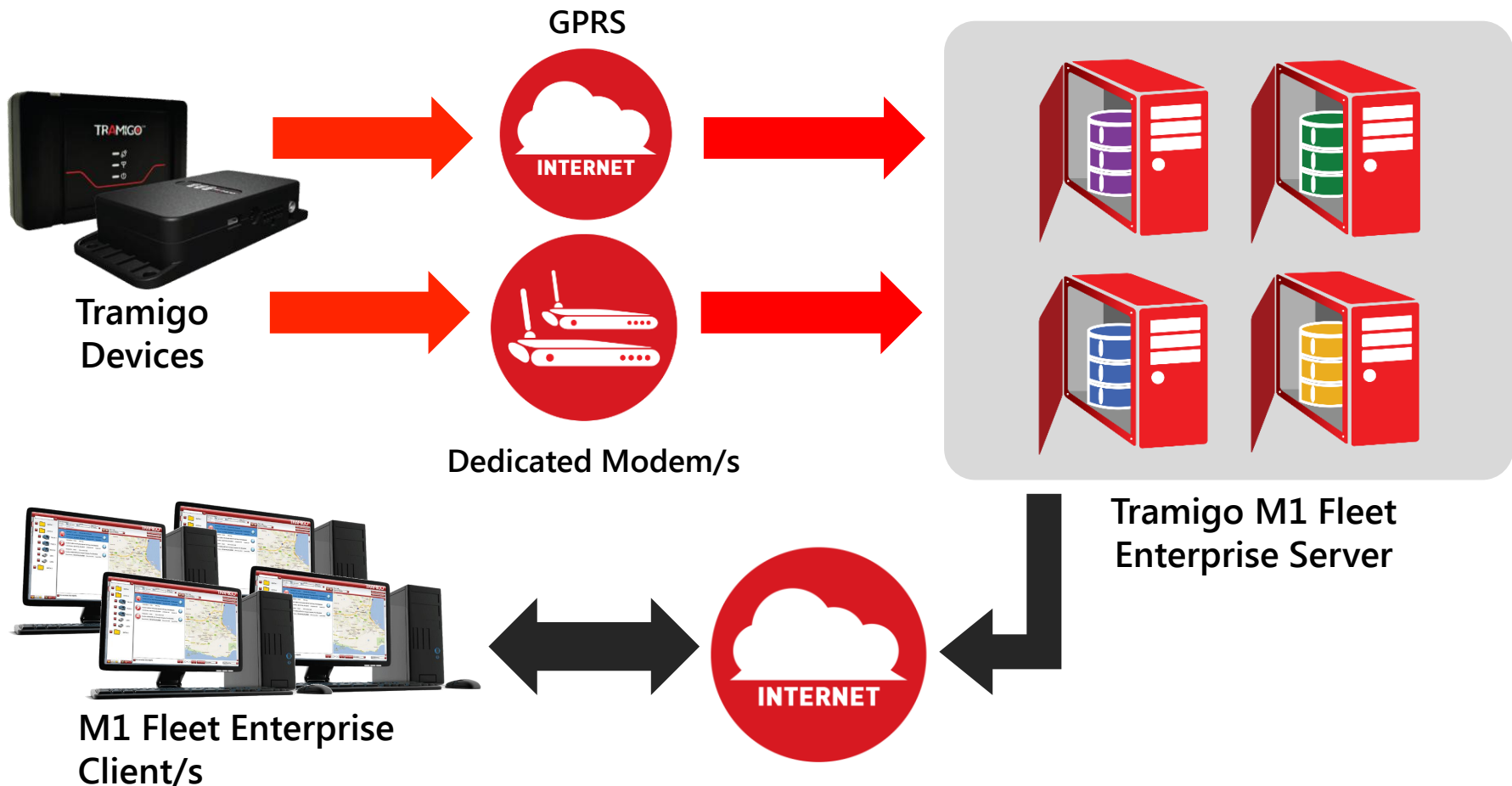
## Client – Server Deployment (Stand-Alone)



# M1 Fleet Enterprise Deployment Option



## Client – Server Deployment (Scalable)



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## Key Features

# Key Features



## Client-Server Architecture

M1Fleet Enterprise allows you to choose your connection during the fleet tracking

**LOCAL Machine** - refers to stand-alone/server connection which needs a GSM modem connected to your PC to send/receive commands or reports respectively

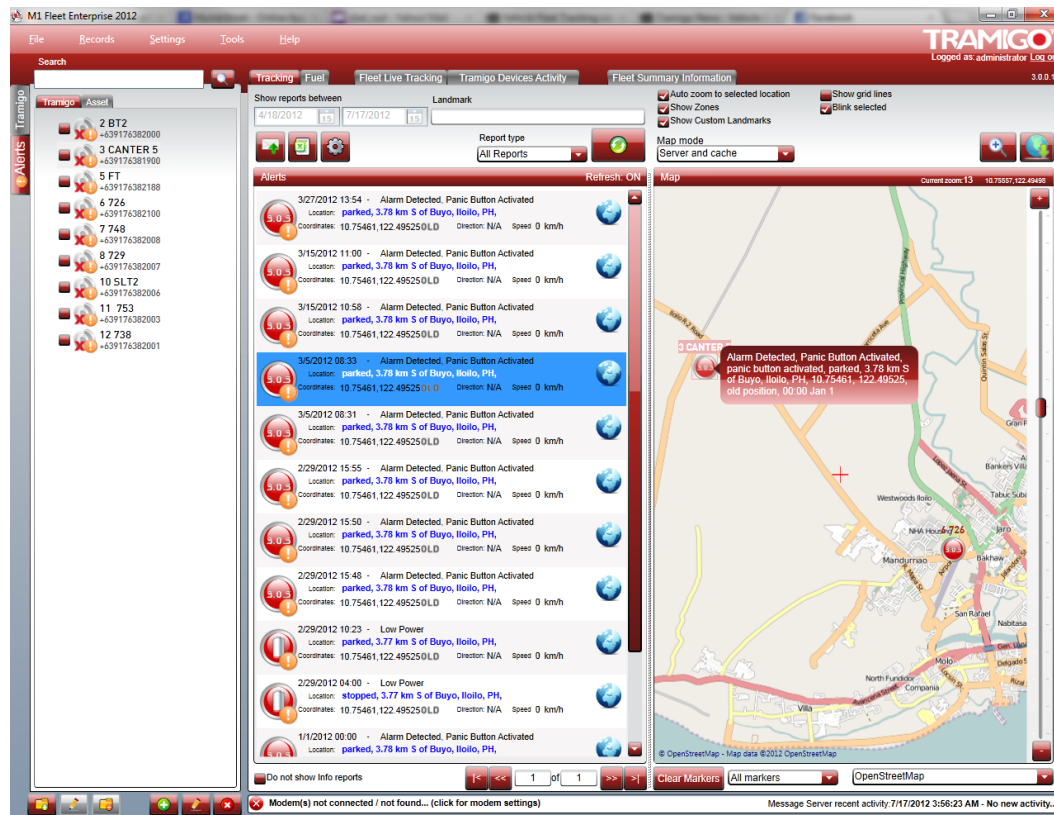
**REMOTE Machine** - refers to client-server connection that allows you to manage your fleet tracking via LAN/Wireless Network in which you just connect to M1 Fleet Enterprise Server (no GSM modem needed).

# Key Features



## Upgraded UI for viewing whole fleet activity

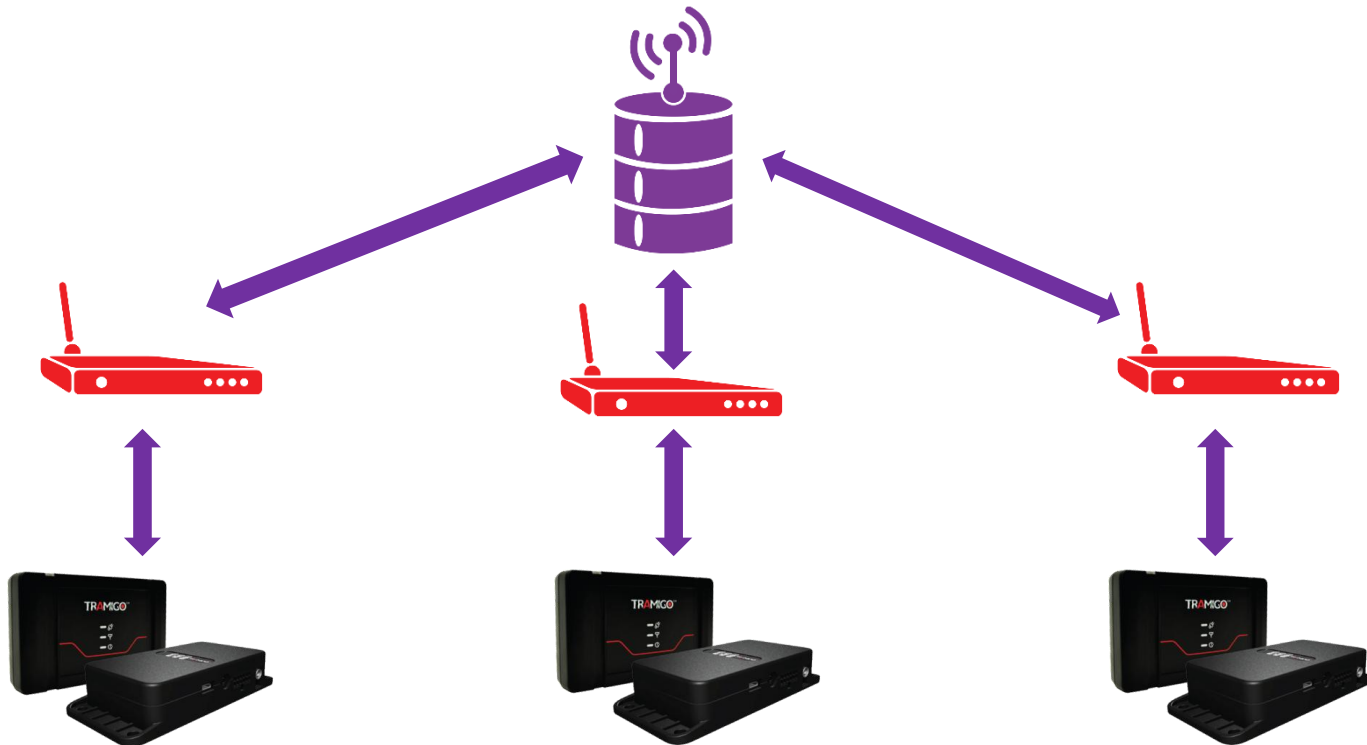
In a single window, one can view the activity of the whole fleet.



# Key Features

## Multiple modem support for bigger fleets

With the Tramigo M1 Message Server, one can install multiple modems to handle the traffic of SMS from and to the devices.



# Key Features



## Message Management

All commands sent and any type of messages received can be reviewed and checked from Outbox and M1 Message Server

## Faster processing of messages

Processing of the messages is done on the server. Even if user is not logged on the client, the message server will still process messages from the modem.

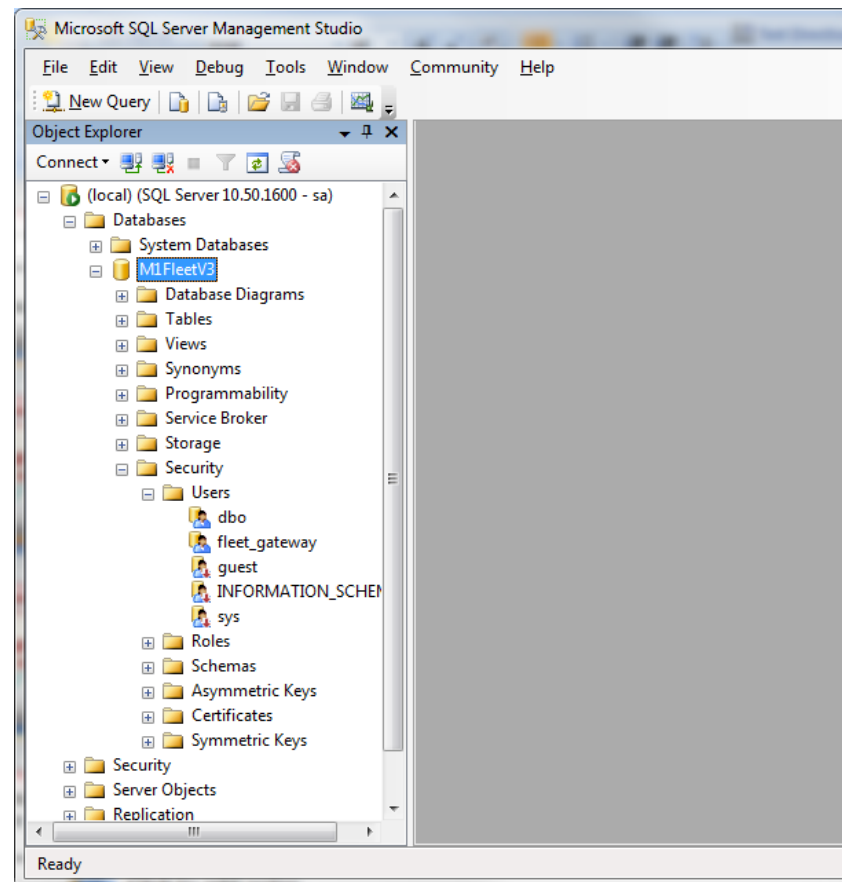
## Faster exporting of data

Faster time to export data out of the application to XLSX (Excel) and/or CSV format.

# Key Features

## Database Management

Fleet tracking data control through a database management system. Link it with Database Server to extend and expand the number of fleets to be tracked by the Tramigo M1 Fleet Enterprise Software.

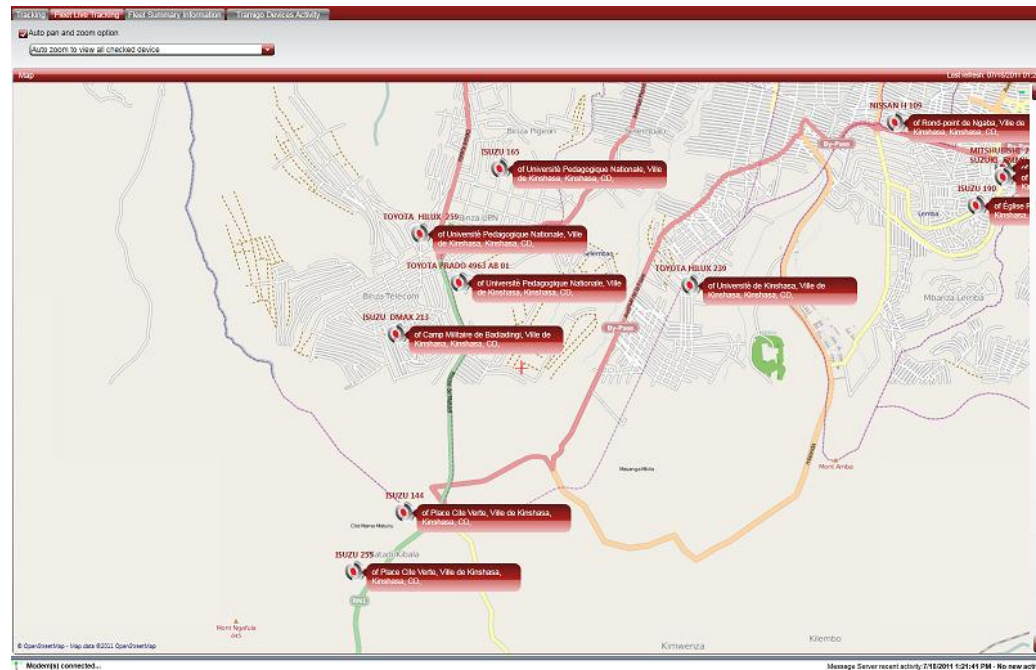


# Key Features



## Live Tracking

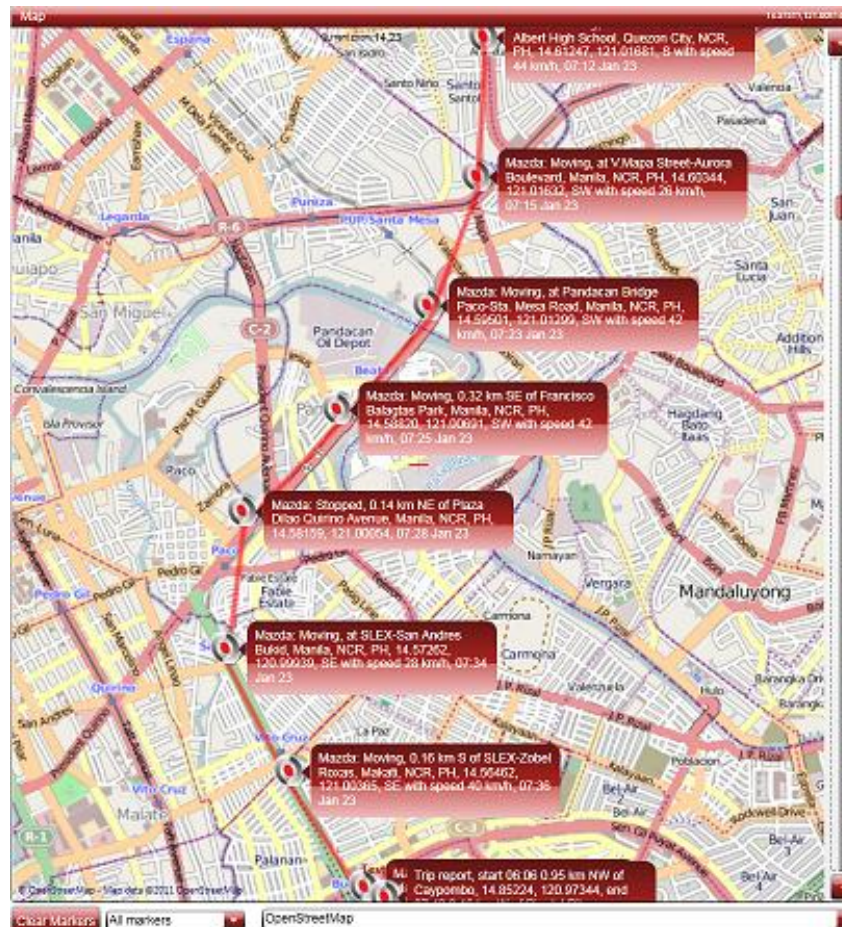
By pressing one button you can plot the selected Tramigo's location on the map. The map is updated as new location reports are received. It can now be viewed in multiple windows specifying one Tramigo per window.



# Key Features

## Breadcrumb trail shows data

The breadcrumb feature includes showing in between points from start and end of a trip.



# Key Features



## Map options

Users can now choose to view maps, satellite pictures or both through map tile providers like Openstreet maps.

## Supports map cache that can be use during "offline" times

If internet connection is unreliable, maps are being cache as you browse the map, or one can choose to cache everything on a specific map area and loads it in the application even if one looses internet connection.

# Key Features



MT Fleet V3

File Records Settings Tools Help

Search assets

Tracking Fleet Line Tracking Fleet Summary Information Tramigo Device Activity

Show reports between: 1/1/2001 to 8/1/2011 Landmark: Report Type: All Reports

Auto zoom to selected location

Map mode: Server and cache Zoom to selected map area Cache selected map area

Location Reports

07/13/2011 - 09:20 - Speed Limit Detected. Moving 6.55 Km NE Of Paracelis  
Location: at Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 17.21965, 121.45321 Direction: N/A Speed: 0 Police: N/A

06/15/2011 - 09:02 - Alarm Detected. Panic Button Activated. Parked  
Location: at Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55921, 121.01995 Direction: N/A Speed: 0 Police: N/A

06/15/2011 - 09:02 - Alarm Detected. Panic Button Activated. Parked  
Location: at Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55917, 121.01995 Direction: N/A Speed: 0 Police: N/A

06/15/2011 - 09:02 - Alarm Detected. Panic Button Activated. Parked  
Location: at Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55940, 121.01995 Direction: N/A Speed: 0 Police: N/A

06/13/2011 - 04:29 - Parked  
Location: at Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55934, 121.01995 Direction: N/A Speed: 0 Police: N/A

06/13/2011 - 04:25 - Alarm Detected. Panic Button Activated. Parked  
Location: at Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55936, 121.01910 Direction: N/A Speed: 0 Police: N/A

06/13/2011 - 04:23 - Alarm Detected. Panic Button Activated. Parked  
Location: at Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55936, 121.01910 Direction: N/A Speed: 0 Police: N/A

06/13/2011 - 04:10 - Parked  
Location: 6.05 km W of Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55918, 121.01665 Direction: N/A Speed: 0 Police: N/A

06/13/2011 - 04:17 - Parked  
Location: 6.05 km W of Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55918, 121.01665 Direction: N/A Speed: 0 Police: N/A

06/13/2011 - 04:15 - Parked  
Location: 6.05 km W of Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55918, 121.01665 Direction: N/A Speed: 0 Police: N/A

06/13/2011 - 04:15 - Parked  
Location: 6.05 km W of Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55918, 121.01665 Direction: N/A Speed: 0 Police: N/A

06/13/2011 - 04:12 - Parked  
Location: 6.05 km W of Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55918, 121.01665 Direction: N/A Speed: 0 Police: N/A

06/13/2011 - 04:11 - Parked  
Location: 6.05 km W of Valero Street-Rafino Street, Makati, MCR, PH  
Coordinates: 14.55918, 121.01665 Direction: N/A Speed: 0 Police: N/A

Downloading map tiles

Currently downloading at zoom level 11 of 17  
Currently downloading map tiles: 14 of 20 - 70%

Map

© OpenStreetMap - Map data ©2011 OpenStreetMap

Clear Markers All markers OpenStreetMap

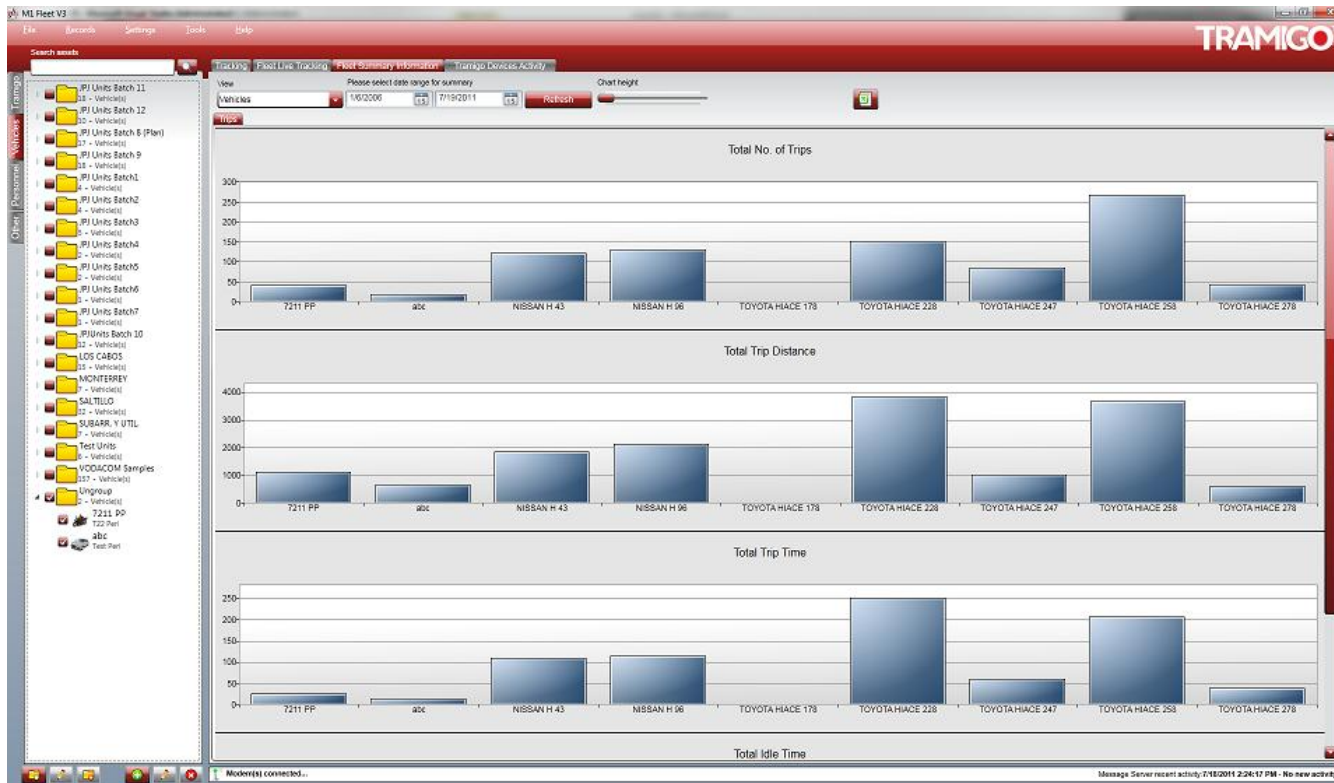
Message Server recent activity: 8/1/2011 3:57:55 PM - No new activity...

# Key Features



## Organized chart for fleet reports summary

Allows you to see the fleet activity in summary through Bar Charting.



# Key Features



## Easier way to search for past location reports

Easier to retrieve past location and monitor "alerted" vehicles.

## User level access

Creates multiple user account logins with user level on M1FE accessing.

A screenshot of the 'M1 Fleet Enterprise 2012' login window. The window has a title bar with 'Login' and a close button. The main header is red with 'M1 Fleet Enterprise 2012' and 'TRAMIGO™' in white, and the version '3.0.0.16' on the right. The login form includes a 'Language' dropdown menu set to 'English', a 'Username' text box containing 'administrator', and a 'Password' text box with masked characters. There is a 'Remember Me' checkbox and two buttons at the bottom: 'Login' and 'Cancel'. A link for 'Server connection setup' is in the bottom left corner.

# Key Features



## Fleet management security

From User Access Level feature, you may now add group of administrators, administrators with limitations and guest users with their corresponding access passwords. By this feature you may be secured that no one can alter the configurations you set to each device/group and nobody can easily export reports from the M1FE.

**Disabled Access**

**Pre-defined Guest Access**

The screenshot displays the M1 Fleet Enterprise 2012 software interface. The top menu bar includes File, Records, Settings, Tools, and Help. A search bar is located below the menu. The main interface is divided into several sections: a left sidebar with a list of assets (e.g., 2 BT2, 3 CANTER 5, 5 FT, 6 726, 7 748, 8 729, 10 SLT2) and a central area for tracking and reports. The central area has tabs for Tracking, Fuel, Fleet Live Tracking, Tramigo Devices Activity, and Fleet Summary Information. Below these tabs, there are options for 'Show reports between' (with date pickers for 4/21/2012 and 7/2/2012), 'Landmark', 'Report type' (set to All Reports), and a 'Refresh' button. A yellow box highlights the 'Disabled Access' button (a gear icon) and the 'Pre-defined Guest Access' button (a person icon). The right sidebar contains a 'Map' section with a 'Current zoom: 15' and a 'Map mode' dropdown set to 'Server and cache'. A 'Logged as: Guest Log out' button is visible in the top right corner. The bottom of the interface shows a list of alerts, including 'Alarm Detected, Panic Button Activated' with location details and coordinates.

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## Benefits and Advantages

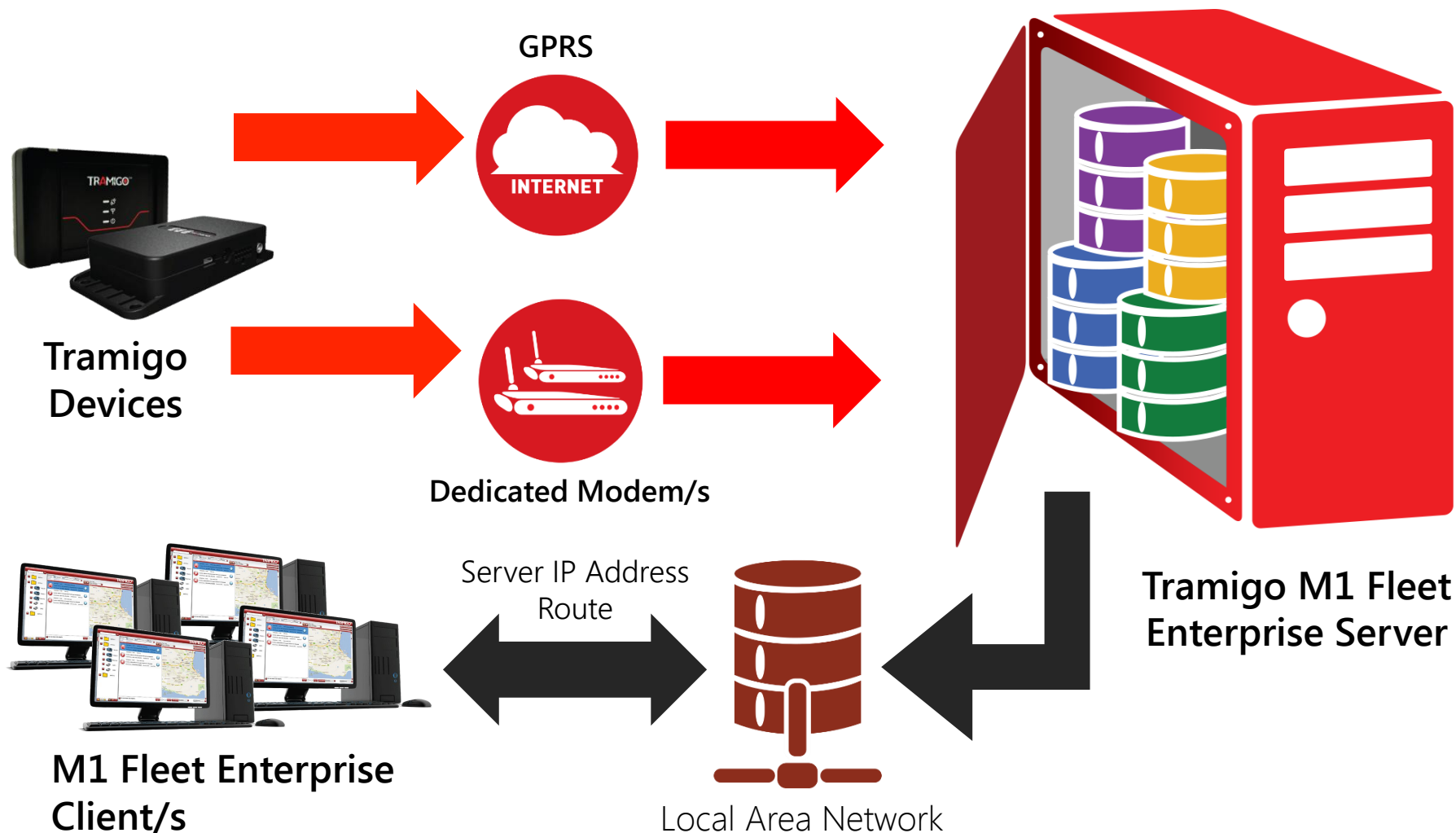
# Load Efficiency



Tramigo™ offers its customers to save costs as much as possible. Aside from the device which do not have monthly fees, the newly created M1 Fleet Enterprise Software also contribute on this goal. Through M1 Fleet Enterprise, it made your fleet tracking easier and manageable.

Using the User Level access feature and its architecture, fleet monitoring and management can be accessed anywhere, anytime, and anyone through single technical information such as "IP Address". Communicate to your fleets without investing too much effort on going to your office or buying new modems just to do it on your own.

# Architecture Flow



# Profitability



- ✓ **FREE Software - no monthly fee**
- ✓ **Fleet management can be expanded with high volume of tracked units**
- ✓ **Can be a source of income by being a Service Provider**

## Service Provider Strategy

Have one or two servers and provide tracking management/solution to different companies that uses Tramigo device, with M1 FE software. Through internet connection, you can provide an IP address to client with their assigned User Access information.

Be paid as you track for others yet they can still access through you.

# Sales as a Service Provider



## CUSTOMER



Tramigo Devices



Customer/s

Internet IP  
Address



Account  
Logins

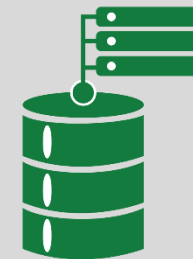
## SERVICE PROVIDER



M1 Message  
Server



M1 GPRS  
Server



M1 Database



M1  
Communication  
Server

M1 Fleet Enterprise Server

"Tramigo is committed to offering the absolute best in the tracking market and following many years of success with SME and consumer market across 4 continents, Tramigo, now has the industries best client-server software solution for Fleet Service Providers; and this will enable them to provide more efficient and reliable solutions to their clients whilst increasing significantly their own profitability. The hardest work in Fleet Services is done in the local market places. The Local Services Providers need to have full control of their business, and Tramigo is committed to extend its successful No Monthly Fees, Full Local Control, FREE Software business model to Fleet Service Providers."

- *Arto Tiitinen*  
*Tramigo Ltd. CEO*