

M2M Communication Network Solution



Machine to machine (M2M) refers to technologies that allow both wireless and wired systems to communicate with other devices of the same type. Omoco can connect these devices and help them communicate with each other using a wireless network.

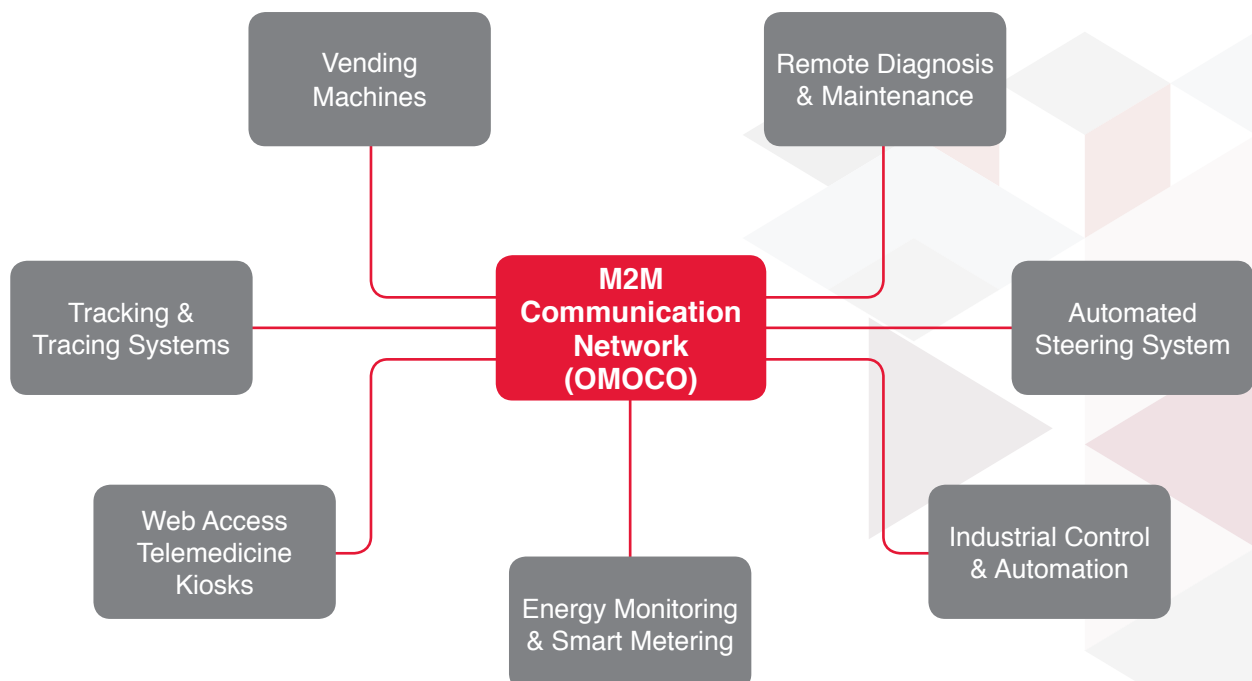
It is a network-in-a-box BTS that enables large capacity and coverage. It allows 100% customization as per your business requirements, without the need for depending on macro-networks. All of which means better technology, seamless connectivity, better M2M performance and customer satisfaction combined with lower cost of network ownership.

THE SOLUTION

Consider the case of an industrial instrumentation – comprising a device (such as a sensor or meter) to capture an event (such as temperature, inventory level, etc.) that is relayed through a network wirelessly to an application that translates the captured event into meaningful information (like items need to be restocked). This seamless exchange of information can be facilitated by Omoco. Such communication was earlier only accomplished by having a remote network of machines relaying information back to a central hub for analysis, which would then be rerouted into a system like a personal computer.

THE OMOCO ADVANTAGE

- Unified Platform for GSM Services
- Small and Highly Integrated – Easy to Carry GSM Network
- Local Voice Offload
- Extends Broadband Services Along with GSM
- Interworks with Enterprises' Existing Service Provider Infrastructure
- Can connect to Multiple Service Providers (VoIP, PLMN)
- Flexible Routing Criteria
- Multiple Number Mapped to Single User
- Scalable Architecture
- Multi-Location Enterprise Network
- Auto Attendant Support
- Call Management Features
- Guaranteed Coverage and Capacity
- Backhaul Connectivity
- Choice of Handset
- Superior Coverage than DECT
- Quick Deployment



APPLICATIONS

Device testing

OMOCO's network in a box solution is a completely integrated GSM system enabling device testing especially for M2M communication during R&D, mass production or QA stage. Complete end-to-end testing of M2M devices is often done on commercial GSM networks resulting in problems due to lack of network coverage or network overload. There is no support from network operator during the testing phase either. Also it is a cost intensive solution as every service on the traditional network is billed.

Energy Monitoring

M2M energy monitoring helps optimize energy management. OMOCO can monitor energy consumption, state of the apparatus, equipment, machinery or building and all properties can be recorded in real time and stored in a centralized database. This data can be processed for further analysis. This helps optimize energy consumption and save costs.

Renewable Energy

Renewable energy plants based on wind, biomass, and sunlight can benefit from M2M applications for their optimum usage. Control systems deployed need to be adjusted manually for situation specific settings and then need to be monitored. Remote monitoring and maintenance can lead to simplified, less expensive & optimized process.

Agriculture

Automatic steering systems based on GPS or other positioning systems and precision farming can benefit from M2M applications for data collection. Also information can be fed to remote displays in real time via Omoco's M2M network.

ABOUT OMOCO

Omoco develops deploy-it-yourself micro telecom network solutions, suitable for individuals, enterprises and communities who want to build their own wireless communication network. We have successfully designed, indigenously manufactured, and setup such solutions in remote areas of Indonesia, Africa and Latin America.

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