



Vodafone Global M2M

Gaining a competitive edge with Vodafone's M2M solutions

power to you



Industry credentials



Vodafone has provided M2M connectivity for customers around the world in a wide range of industries and across a diverse set of applications. Whether for fleet management, security or POS, Vodafone has proven experience of delivering reliable, flexible M2M solutions.

M2M in practice

Machine to machine (M2M) communications let businesses monitor and control devices and processes remotely, and is enhancing operations across almost all industry sectors. Affordable hardware and fast wireless data networks mean that companies can add new capabilities, improve efficiency and connect with their end users in applications such as remote monitoring, security and fleet management.

For our customers, M2M connectivity is business-critical. Vodafone understands this, and our focus is on providing the reliability, coverage and support required to help companies network their remote assets.

Building on our 20 years' experience in M2M, Vodafone brings together all the elements required for international M2M deployment, including consultancy, wireless connectivity and management tools. We provide the scalability and flexibility to support any level of M2M deployment, helping our customers use this technology to develop new services, reduce costs and lower their emissions.

Vodafone has a dedicated team that works with our solution provider partners to support customers. We provide an M2M solution support helpdesk, ensuring our M2M customers can call and get direct help specifically focusing on their area.

Vodafone has excellent international network coverage, and we have a dedicated platform for M2M which separates M2M traffic from general voice and data traffic – meaning we can deliver the right level of service for M2M applications.

We are able to provide customers with a single, international, country-independent Subscriber Identity Module (SIM), helping them provision and manage their own SIMs for international applications.

We provide end-to-end services all the way from the mobile unit to the back-end router at the customer premises, backed up by a Service Level Agreement (SLA).

Where it's needed, Vodafone can provide an Internet Protocol (IP) service gateway for multiple alarm centres or Point of Sale (POS) acquiring points. This makes it easier for new customers to add M2M capabilities, without needing their own infrastructure.

Technocon provides security services with M2M

Technocon is the largest supplier of professional theft detection systems in the Netherlands, and provides its services across many European countries.

Its services include car security, fleet management, and alarms for residential and business properties. It has more than 23,000 customer nodes in service with connectivity provided by Vodafone, with customers including some of the world's largest automotive manufacturers.

Technocon uses a private Access Point Name (APN) provided by Vodafone, and provides links for its customers with secure solutions running over Vodafone's Global System for Mobile communications (GSM) and the GPRS network. It manages and supports its solutions across Europe from its headquarters in the Netherlands.

The company chose Vodafone as its M2M partner because it needed the specialised knowledge and support of an M2M expert. Technocon also required a portal for managing and activating SIMs across multiple countries, which Vodafone was able to provide.

Vodafone's expert support and reliable SIM delivery enable Technocon to provide a trusted and reliable service to its customers. Vodafone provided a complete solution, including SIM ordering, marketing support and technical help.





Ctrack/Digicore delivers multi-country fleet management

Worldwide, Ctrack/Digicore is one of the top five providers of 'track and trace' systems, helping businesses manage their fleets of vehicles and improve their productivity.

It has operations in South America, Asia, Africa, Australia and more than 12 European countries. In the Netherlands alone, it has 9,000 operational units with customers, and is growing rapidly as more companies realise the cost and efficiency benefits of tracking their vehicles.

Vodafone provides M2M connectivity over its GPRS network, delivering a reliable and cost-effective service that can be relied upon for 24/7 operation. Ctrack/Digicore is able to manage and activate its SIMs across many countries from its European headquarters, and remotely upgrade devices that are already in the field.

Vodafone's international capabilities also extend to commercial arrangements, making management easier for Ctrack/Digicore. The companies are working closely together to unify pricing for roaming across Europe, meeting customer expectations and simplifying contracts.

Ctrack/Digicore has benefited from Vodafone's ability to provide excellent technical and ordering support to the company's end customers, and from its consultative approach to working together – helping Ctrack/Digicore find the best solutions for its market.



Vodafone provides M2M for Taxameter Centrale's parking management

While we may not appreciate a parking fine, managing where we park our cars is an essential part of today's everyday life to ensure our cities don't grind to a halt. M2M connectivity is increasingly being applied in this sector, enabling more sophisticated management of public parking and off-street parking garages and areas. Terminals can provide access control to authorised vehicles for private or restricted facilities, and can take payment at public parking meters or car park paystations.

In the Netherlands, Taxameter Centrale provides solutions to manage parking, including hardware, software and maintenance contracts. It has an installed base of more than 3,000 SIM cards in M2M applications. This number is steadily increasing as older parking systems without transaction and management functionality are replaced, and as new projects are rolled out.

Vodafone provides high-quality network connectivity for Taxameter Centrale's systems, ensuring reliable operation at all times. The company has a dedicated link with Vodafone, which allows it to securely process transactions and provide a complete end-to-end solution for its customers.

Flexibility has been the key to this relationship. Vodafone has been able to respond to Taxameter Centrale's specialised requests for its particular application, and has provided the right solutions on a technical and commercial level.



CCV uses M2M for POS and transportation smart cards

CCV is the leading service provider of electronic transactions in Europe. Its core business centres on electronic payment traffic within Europe, with branches in Belgium, Germany, and Switzerland. CCV is the market leader in pin and 'Chipknip' (stored-value card) terminals in the Netherlands, specialising in the processing and online authorisation of financial and loyalty card transactions, as well as the development and management of loyalty and customer card systems.

Using state-of-the-art technology, CCV provides standard products as well as customised end-to-end solutions. CCV operates a 24-hour service organisation and a back-up computer centre that guarantees a seamless switchover in case of breakdowns or emergencies. Established in 1958, CCV's headquarters are located in Arnhem, the Netherlands.

As might be expected, reliability is key for CCV in its M2M links. CCV is using several network service providers, as well as Vodafone to provide M2M connectivity. It is used for POS payments and for the public transportation pickup and loading device (OV-chip system). CCV needs secure and guaranteed communications, which Vodafone provides with its General Packet Radio Service (GPRS) network. Vodafone delivers switching services to securely separate data systems for POS transactions and remote Terminal Management System.

CCV selected Vodafone because of the consultative manner in which Vodafone worked with CCV to find the right M2M solutions, and because of its high quality, reliable network. Vodafone was also able to offer competitive pricing.

Vodafone provides extensive support to CCV, including SIM ordering, activation support and a management portal for SIMs. Together with Vodafone, CCV was able to adopt a new go-to-market model to sell a complete packaged solution, including hardware, communications, services and support.

Beyond the Netherlands, CCV is aligning its international operations, and moving towards central buying, logistics and support of its communications services. Vodafone's global capabilities mean it is well-placed to work with CCV on these developments.



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