

Devices communicate autonomously via the mobile network

Being able to manage your SIM cards for machine-to-machine (M2M) applications yourself helps to save time and money, as is the case for lift companies like GTA Solutions AG and Garaventa Liftech Ltd. Swisscom now also offers a web-based platform that makes M2M SIM card management considerably easier.

M2M technology is enabling an increasing number of devices to communicate with each other. Even remote monitoring of lift systems all over the country is easy to manage using this technology. Functions in the event of a fault, such as reset, moving the lifts up and down remotely, opening the doors, etc., avoid service technicians having to be present on site, and anyone trapped in a lift can be freed quickly.

Swisscom's Connectivity Management Platform (CMP) allows companies to manage their M2M SIM cards, which means activating and deactivating them, defining new locations and adjusting roaming options, thereby making cost-efficient use of M2M technology. The user has a number of as yet unconfigured SIM cards, which they then activate when they put them into use. No monthly fees are incurred before this point.

Experiences with the M2M service in the lift industry: GTA Solutions AG

Matthias Dardel, managing director of GTA Solutions AG, considers the greatest benefit to be the fact that M2M SIM cards are now easier to manage – directly within the company itself. Costs are 40% lower for the end customer, as an analogue connection is no longer required. For new systems, the cost of a subscriber line is also eliminated.

The switch went without a hitch, as Matthias Dardel reports: "First, we received training, and were then able to manage the M2M SIM cards ourselves, making things much more straightforward than before."

The switch on site was carried out during normal maintenance, with the service technician exchange-

ing the M2M SIM card and making the necessary adjustments to establish the new M2M connection with the lift. If an analogue landline connection was in place beforehand, this is simply switched off and the new M2M installation with an antenna is switched on.

For the lift manufacturer Garaventa Liftech Ltd., which primarily builds slow-moving lifts and is therefore subject to different regulations (machinery directives), the benefits of active intervention are less apparent, as such lifts are moved to a defined station by the user via a battery or are equipped with a "dead-man's control", in which case the user must keep the button constantly pressed. Remote monitoring is economically attractive, however, as faults can be read remotely, as Enrico Ghidotti explains. This helps to save on travel time for technicians, and enables maintenance requirements to be optimised in accordance with machinery directives based on specific status updates or error codes in systems. Garaventa Liftech Ltd. chose the Swisscom approach because it was looking for a long-term solution and is dependent on receiving the same excellent level of support it offers its own customers.

Managing M2M SIM cards

The lift company manages its installed M2M SIM cards autonomously on the CMP, with access gained via a secure Internet connection. In just a few clicks, the platform provides a complete overview of card usage, diagnoses for troubleshooting and real-time updates in the case of unusual events or potential misuse. Moreover, a reporting tool visualises all activities involving the M2M SIM cards (usage, costs, etc.), ensuring that card misuse or errors immediately become visible. Thanks to Internet-based access, the cards can be managed from any location and device.



Thanks to M2M SIM card blanks, lift manufacturers can configure their cards just before putting them into use, and Swisscom's CMP makes the cards easy to manage.

What are the benefits of Swisscom's CMP solution?

- › Ready to use in no time
- › Test kit with migration and integration tests for a successful start
- › Professional self-management tool
- › Static IP address for 100% bidirectional device connection
- › M2M SIM card configuration and roaming profile for maximum availability
- › Flexible pricing to meet individual company requirements

What does Swisscom's M2M competence centre have to offer?

- › Support from kick-off to final roll-out
- › 20 years of experience in M2M
- › M2M ecosystem with a network of innovative partners
- › Coverage of complete M2M value chain for rapid and reliable integration (module and terminal providers; engineering specialists for middleware, hardware and software; system integrators)

Garaventa Liftech Ltd., a subsidiary of the renowned cable car manufacturer, installs its products in locations where normal lifts would be infeasible or extremely expensive. The slow-moving lifts are used both indoors and outdoors; the company's range includes vertical lifts, inclined lifts, as well as chair- and stairlifts that offer a solution for individual needs and conditions. Areas of use include care homes for the elderly and disabled, single-family homes, small apartment buildings, outdoor installations, and garden and car lifts. Garaventa Liftech Ltd. builds high-quality lift systems in a special market niche.
www.garaventalift.ch

GTA Solutions AG builds lifts of all kinds, ranging from passenger lifts through goods lifts to car lifts. Experienced lift manufacturers provide customers with competent advice and offer customised solutions. GTA Solutions AG offers maintenance for all brands of lift from a single source, and is renowned in the lift industry for its innovative capacity and customer proximity, as well as for its excellent and friendly service. Alongside the sale, assembly, service and cleaning of lifts as well as modernisation work, GTA Solutions AG also offers maintenance services for automatic doors and gates.
www.gta.ch

Communication between devices or machines with other devices via the Internet is rapidly becoming increasingly common. Swisscom is supporting this development by expanding All IP. Experts refer to the "Internet of Things" (IoT), which is expected to have a great future. Devices come equipped with Internet connections and use the Web to communicate with each other. Where this is not possible, communication takes place directly via Swisscom's GSM mobile network, with an interface that connects the device with the mobile network and hence with the Internet. These devices are fitted with a SIM card, just like mobile phones. This technology can be applied in a huge number of areas, including alarm systems, fault detection systems, lift telephones, control systems, etc.