



**SIEMENS**

It's time to move  
to a new era.

Sitraffic smartTL Connect

**Siemens, S.A.**

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The information in this document contains general descriptions of the technical options available. The required features should therefore be specified in each individual case at the time of closing the contract. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action and integrate each component into a holistic, state-of-the-art security concept. Third-party products that may be in use should also be considered.

[siemens.pt](http://siemens.pt)





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*Ingenuity for life*

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# The era of Digitalization in Mobility

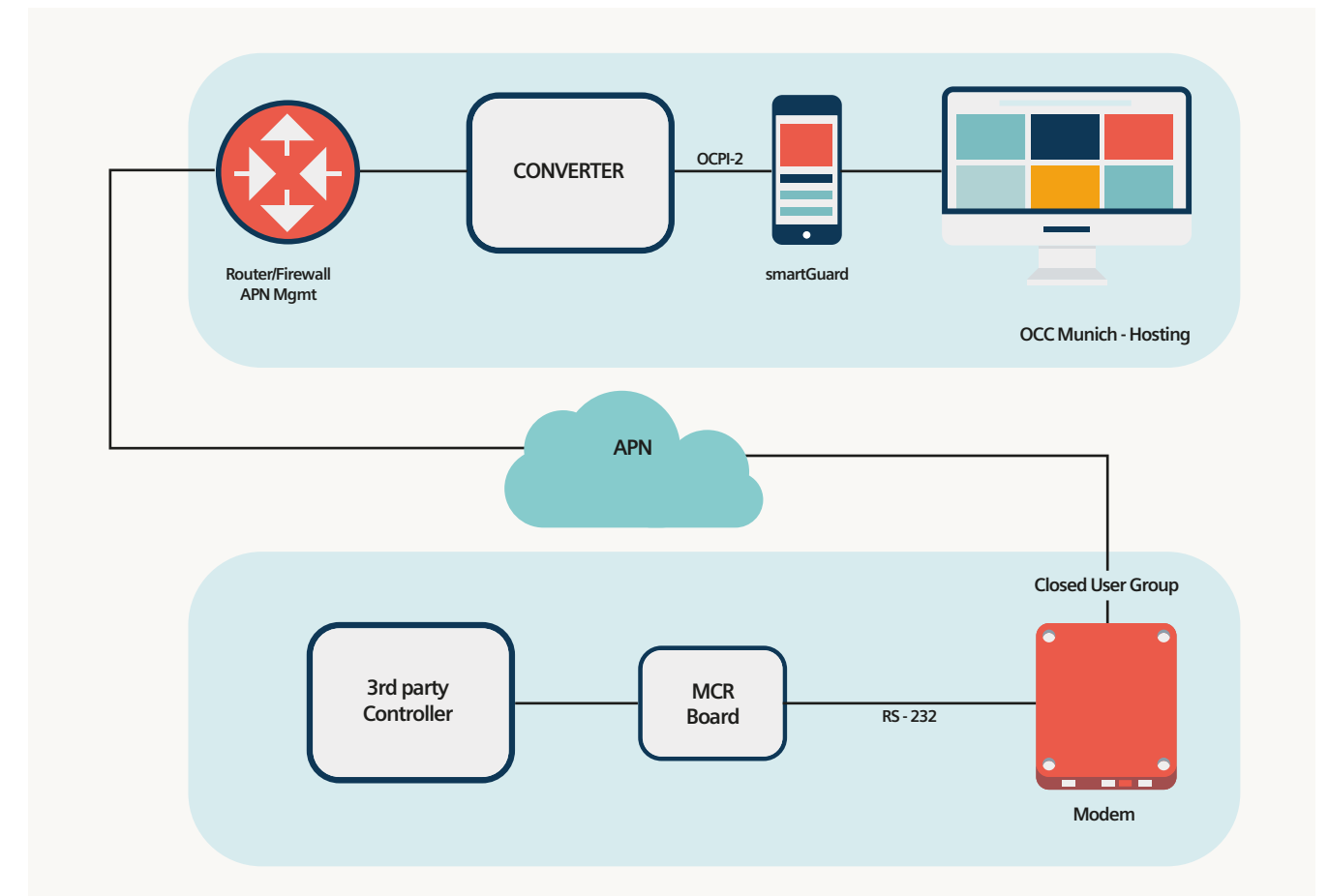
Technology is at the edge of development and solutions can be tailored for every challenge. This is the time! The stakes have never been so high. That's why we strive to upgrade our products, customize them to fit our customer's needs and deliver the best offers, according to their expectations.

We present to you the Sitraffic smartTL Connect, a solution developed to fulfill a specific need: some cities have different controllers spread in several locations. Because they don't use the same platform it isn't possible to have all the information in one base. The Sitraffic smartTL Connect solves this challenge by allowing our Sitraffic smartGuard to connect virtually with any controller, regardless its original specifications or brand.

This solution was developed to answer a customer's challenge: to find a way to connect our cloud based central system to all of his devices with low downtime, keeping the possibility of reverting the process and compatibility with several different types of devices. In the search for a solution, we identified a wider range of possibilities and applications worldwide.

**Ideally, any traffic controller should be able to communicate with any central system. But that is not the reality today.**

- With Siemens Sitraffic smartTL Connect it is now possible to connect virtually any third party controller with Siemens Sitraffic smartGuard, our cloud based traffic control center.



System Architecture Picture

Sitraffic smartTL Connect System Architecture - Our device (MCR module) allows bidirectional communication between Sitraffic smartGuard and third party controllers, through a secured mobile network connection (GPRS/3G/4G).

Simple installation, as easy as plug & play.

Unobtrusive functionality does not interfere with the controller's normal operation.

Some control features might be limited depending on the controller's model.

Sitraffic smartTL Connect allows the client, through Sitraffic smartGuard, to monitor and control the field devices regardless of the manufacturer offering operational basic functionalities such as:

#### Monitor Controller's state:

- Normal mode;
- Safety mode;
- Offline;
- Power-off mode.

#### Control Features:

- Change between operational modes (normal and safety);
- Remote reset.

#### Advantages:

- Support to surveying processes, providing visibility on the operational performance of the installed base;
- Quickly deployment of Sitraffic smartGuard with already existing infrastructure;
- Enables immediate monitor and control features, while replacing older field devices;
- Increases productivity;
- Reduces maintenance costs.