

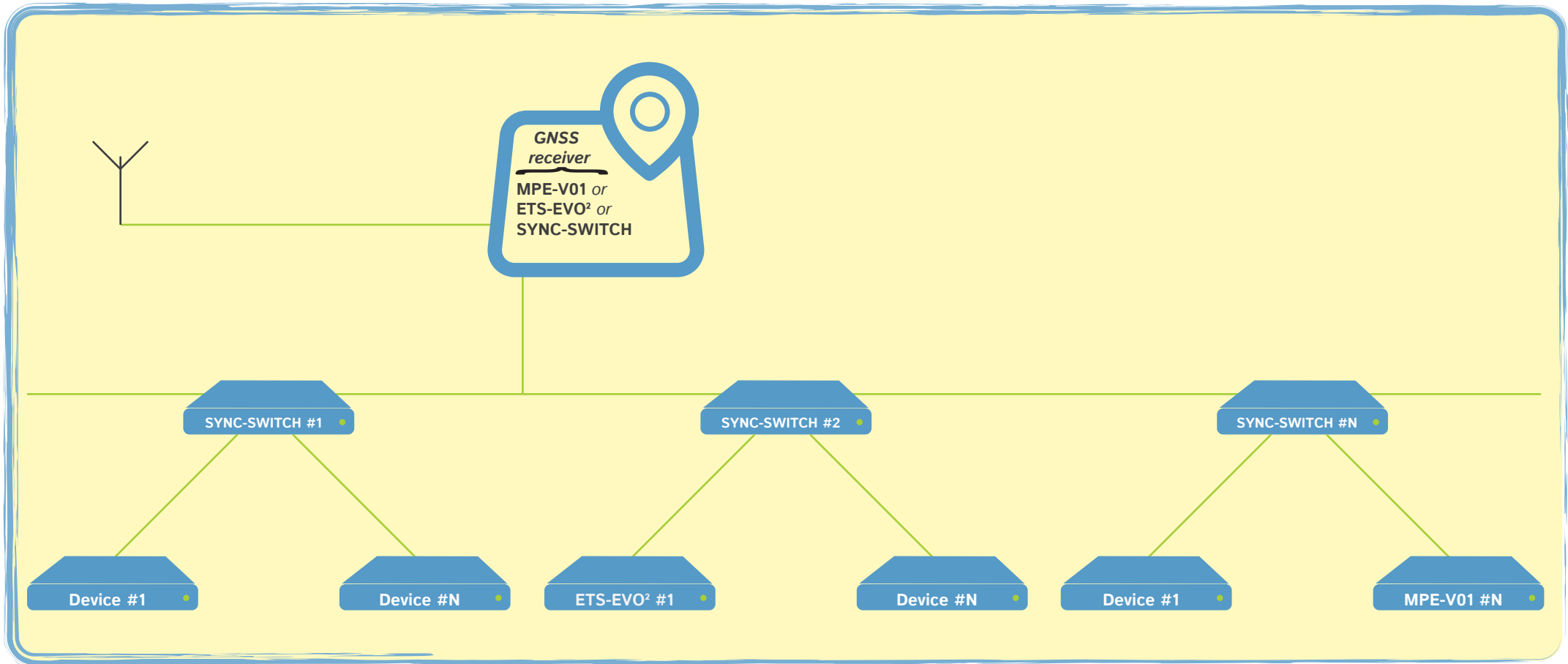
DI SYNC-BUILDING

*distribution of time-frequency signals
for synchronous applications across
Local Area Network*

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The need to distribute information within a time-frequency structure is increasingly becoming a requirement for various industrial and technological applications. The typical infrastructure that make use of the time-frequency synchronization are for example: large radio television transmitting centers, production centers where an extra precision in measurement instrumentation is required, Telecom infrastructure, laboratories of measurement and certification, etc.

DI SYNC-BUILDING is the Digital Instruments solution that allows you to take advantage of the network infrastructure for the transport of time-frequency reference through the implementation of PTP / SYNC-E protocols. In the Digital Instruments world, in addition to the disciplined GNSS receivers (GPS, GLONASS and Galileo Ready), a series of equipments have been developed for specific applications of synchronous network. In this way **we are able to offer a suite of devices capable of receive synchronization signals from GNSS systems and deploy them in every area of your building.**



Through the product suite **DI SYNC-BUILDING** you can connect and synchronize buildings with an advanced technological infrastructure, (companies, hospitals, railway or subway stations, etc.) where the synchronization is strategically important.

In this infographic we chose, as an example, a typical industrial technological building. We have highlighted some areas that can be synchronized and briefly explained why.



Roof Area

All the devices that require a time-frequency reference such as: satellite interfaces (BUC, LNB), plants and microwave links, transmitters where high stability reference signals in phase and frequency are required.

Infrastructure Area



Equipment intended for the management and generation of network signals, where it is necessary a widespread distribution of the time-frequency signals.

Labs Area



Systems of measure and certification, where reference signals are required particularly stable, localized on desks or racks, used for production, control and tests.

Server Area



Equipment intended to secure communications, high precision oscillators that require an acclimatised and controlled ambient, advanced Surveillance systems.



Let's focus now inside the Labs Area.

We can think of a situation where different Test & Measurement (T&M) devices, like LXI instrumentations, are communicating together and leveraging the telecommunication industry infrastructure, synchronize information in real time with the help of **DI SYNC-BUILDING** suite. In other words we offers you new possibilities in test systems – local, remote, distributed and time-aware.

Lab Two



Lab One



Lab Three



- ETS-EVO²
- MPE-V01
- Other devices

