LOKA

The conscience of things.

CANISTER & KEG MONITORING USE CASE

NOVEMBER 2018

Track.
Locate.
Geofence.
Detect movement.
Measure impact.
Monitor temperature.
Add your sensors.

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LOKA has developed a revolutionary solution that gives conscience to your Business Assets.

The IoT Solution includes a connected Devices and a Cloud Platform with Geolocation capabilities.

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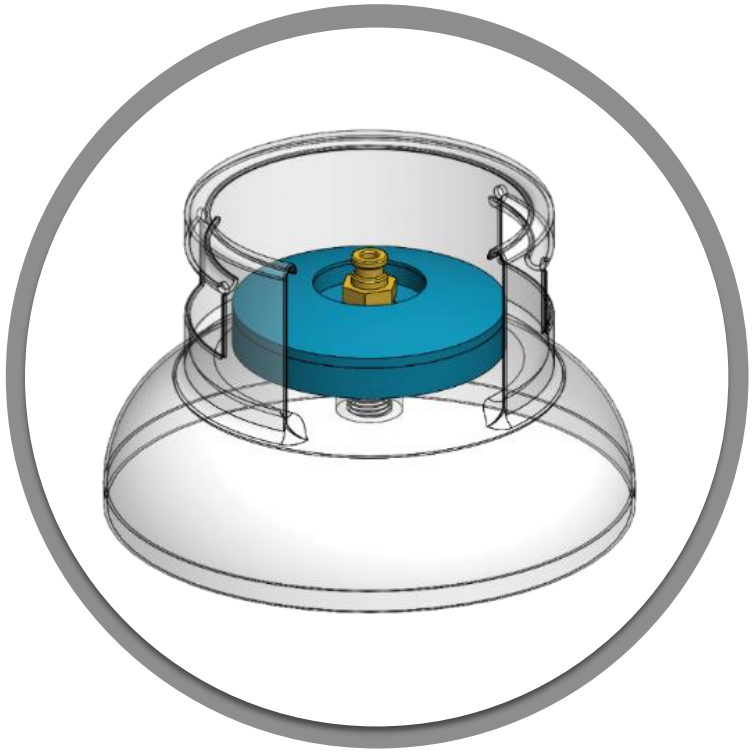

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The LOKA Devices sensors do readings of the surrounding environment, indoor and outdoor, and data is then transmitted to the IoT cloud platform, using Sigfox, Bluetooth or Wi-Fi connectivity, according to your personalized notifications.

The data can be anything, from temperature, to battery values, to movement detection, and geolocation information.

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LOKA MIND

The LOKA Device Manager interprets and translates the data received from the devices, to present it in a user-friendly interface.

It enables you to track and get information on any asset, or thing, you want to monitor.

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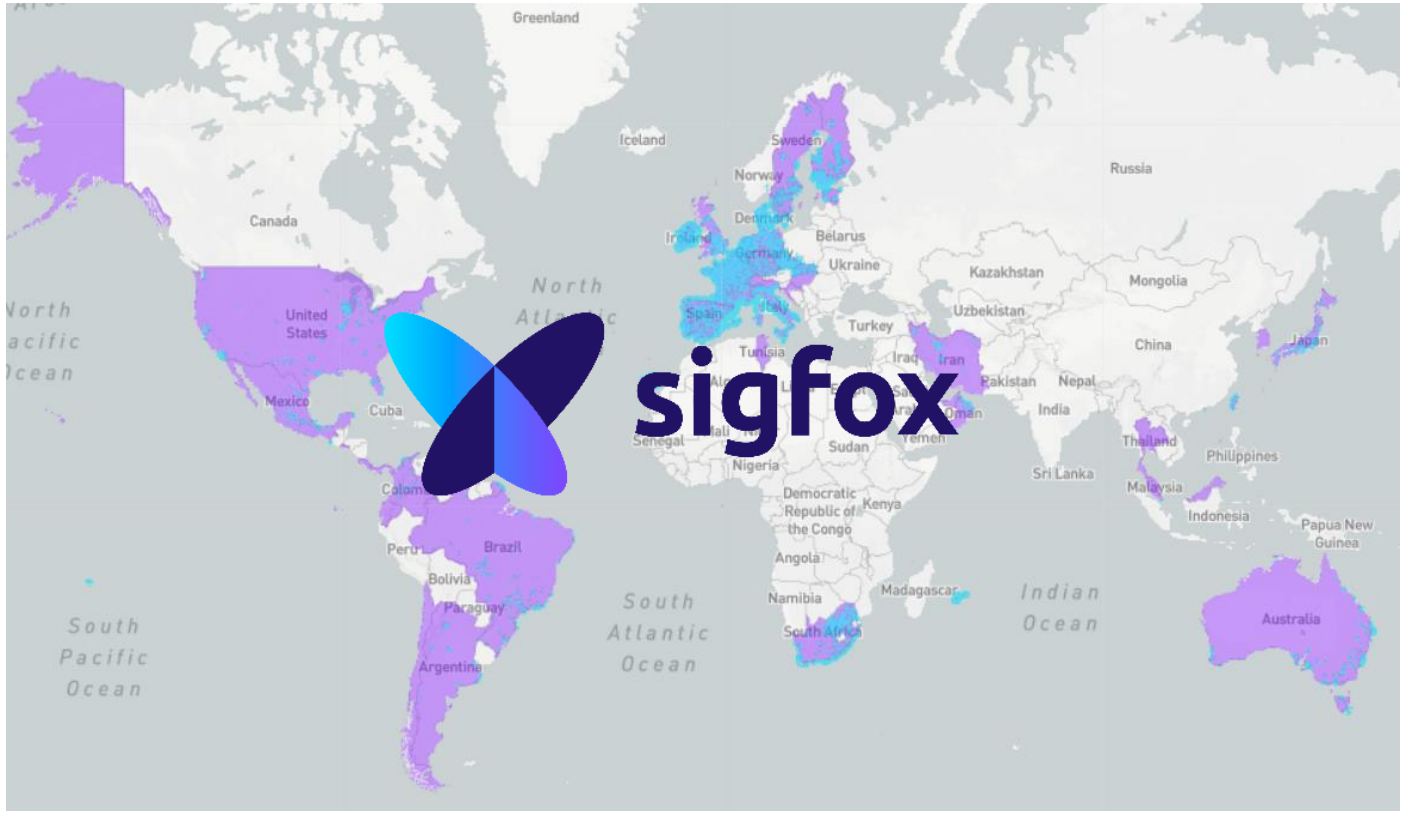

The Sigfox network is the world's leading provider of narrow-band connectivity for the Internet of Things (IoT).

Sigfox provides extremely price-competitive connectivity subscriptions and even more importantly, enables extremely simple and cost-efficient silicon modules.

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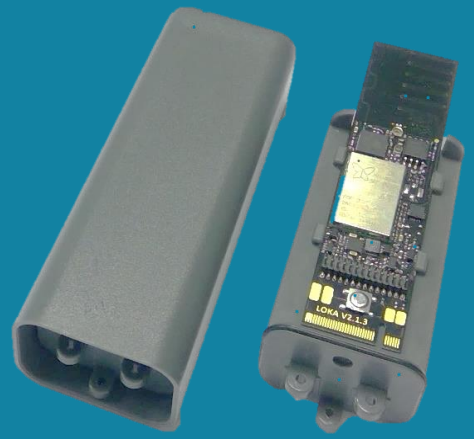
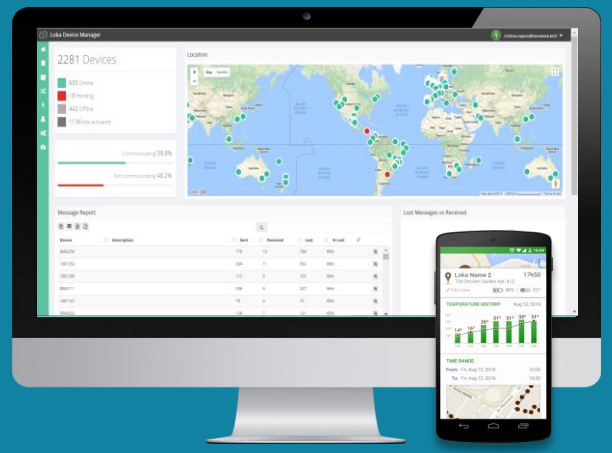
How it works



sigfox



Measure Temperature

Detect Motion

Wi-fi Sniffing

Bluetooth Geofencing

Track and Trace

Get notified of changes

Reporting

API Integration

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Get information on any canister or keg you want to monitor.

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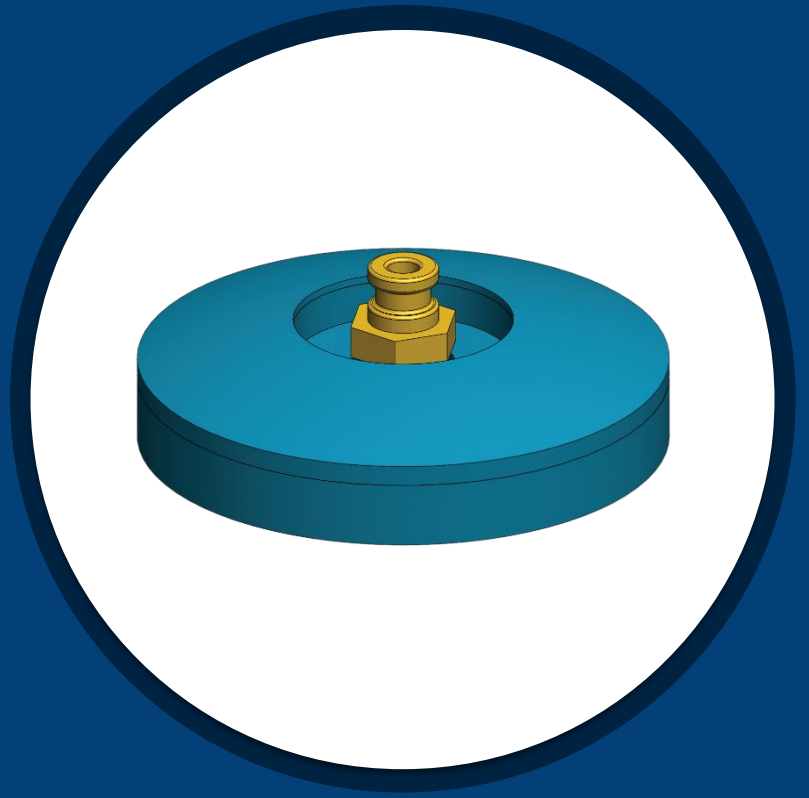
Now, imagine you have one of LOKA's devices.

Or a lot of them.



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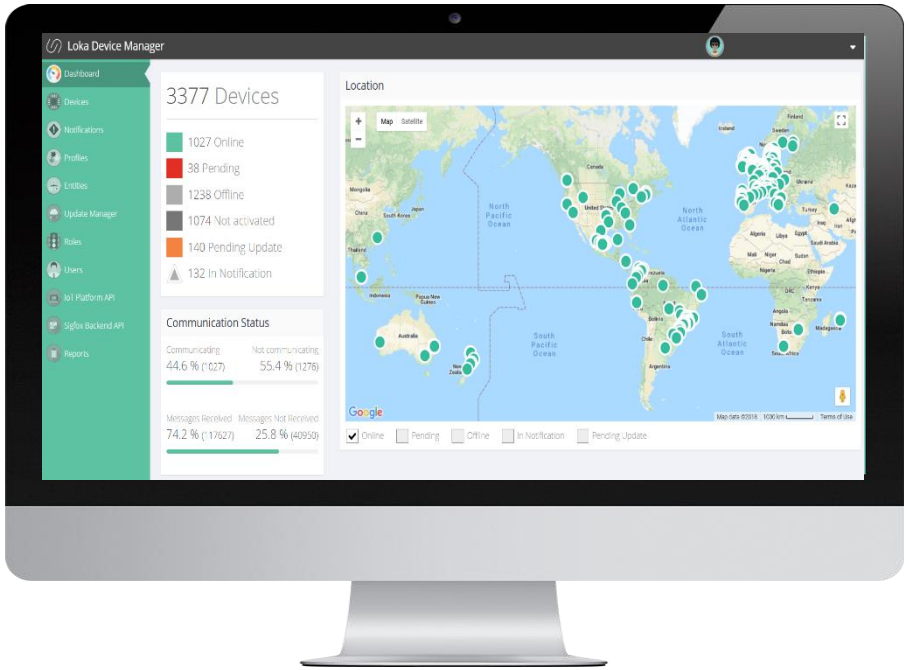
Apply the LOKA Device to:

- Gas canisters
- CO2 tanks
- Oxygen canisters
- Liquid canisters

In the LOKA MIND, all devices can be managed separately, or in predefined groups.
You can monitor:

- Filling Level
- Temperature
- Location & Geofencing
- Movement
- Battery



LOKA MIND

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LOKA MIND enables the configuration of the devices to operate in four different modes:

MOVEMENT

TRACKER

TEMPERATURE

TRACKER & TEMPERATURE

Each operating mode uses a different trigger (location, temperature or movement), to make the device send messages.

Most times, the sent message includes the same type of information in all of the operating modes: the difference lies in which of the sensors triggers the message.

The LOKA MIND is your device manager that provides all the information on your device activity, from location, sensors and values, to battery voltage.

You can filter, create your own reports and export data, or even use the API to seamlessly integrate the data on your own platform.

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Your LOKA device will send information when your gas canister level is under 30%, making it possible to:

- send alerts that notify customers and/or gas distributors.

- optimize distributors' business processes and distribution routes.

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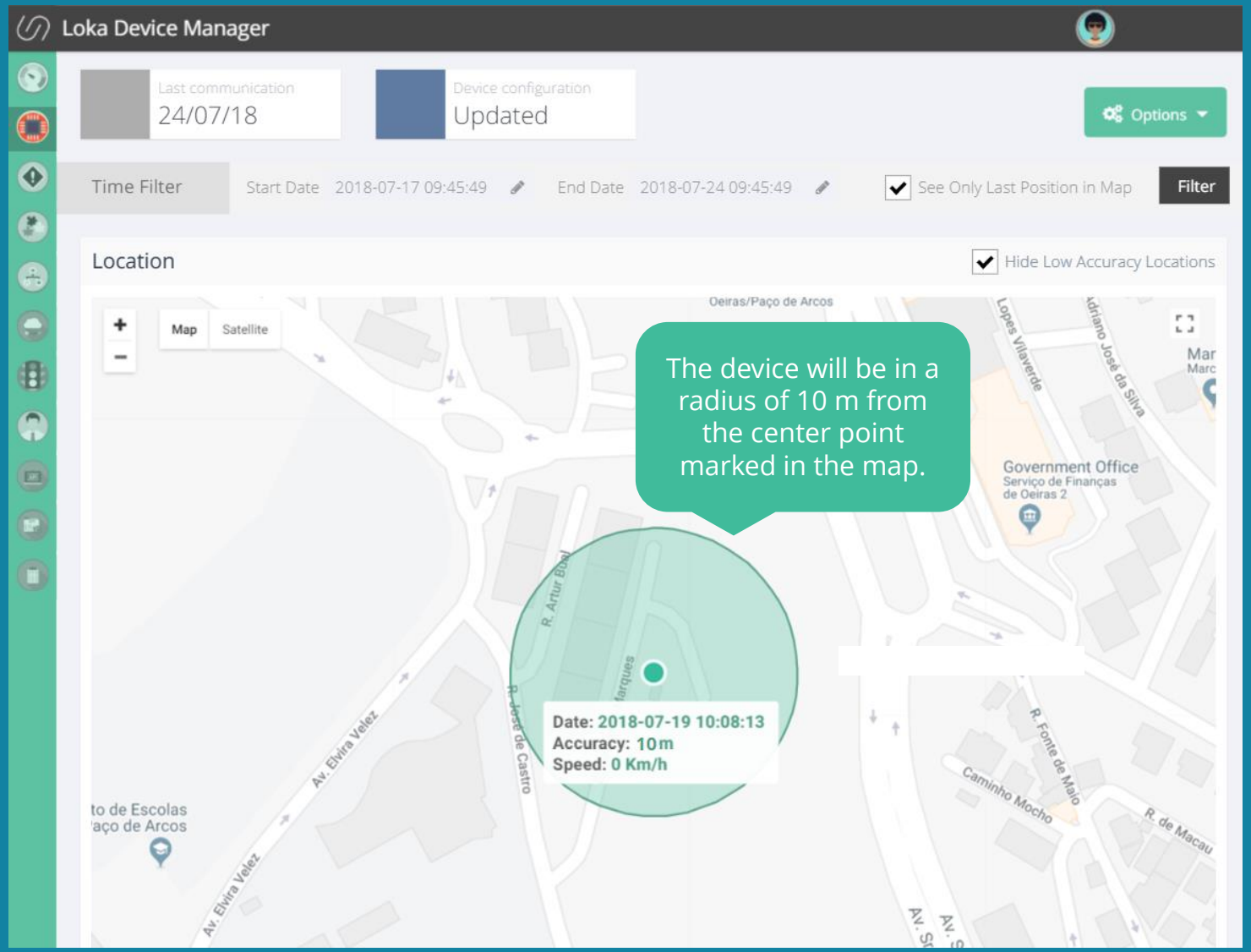

This is how we show you your devices' Location.

The LOKA IoT solution provides geolocation information, both outdoors and indoors, without requiring a GPS.

The solution is based on the Sigfox technology and Wi-Fi sniffing, enabling unparalleled low power, with a wide communication range.

Each location is composed of a coordinate (center point) and an accuracy radius, meaning the device is inside the green circle.

You can see your device location in a given time range, or choose to see just the last known location.

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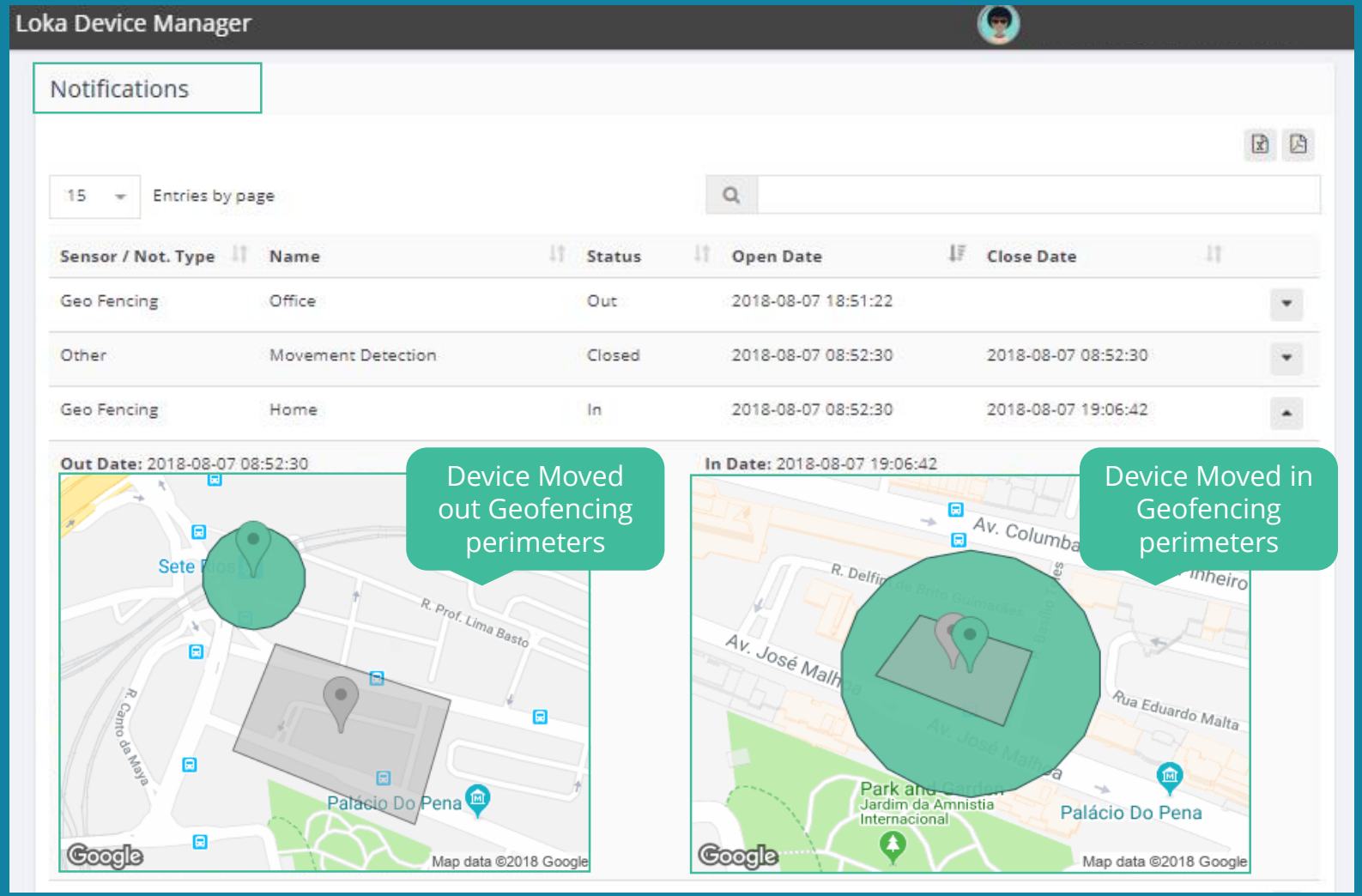

Here is an example of Notifications that you can configure, in order to receive alerts.

The LOKA IoT Solution enables the configuration of notifications for every device sensor (temperature, movement, voltage) and the device location (Geofencing).

With the Geofencing functionality, the LOKA Device Manager can send you alerts whenever one device arrives or leaves a given area (eg. your offices).

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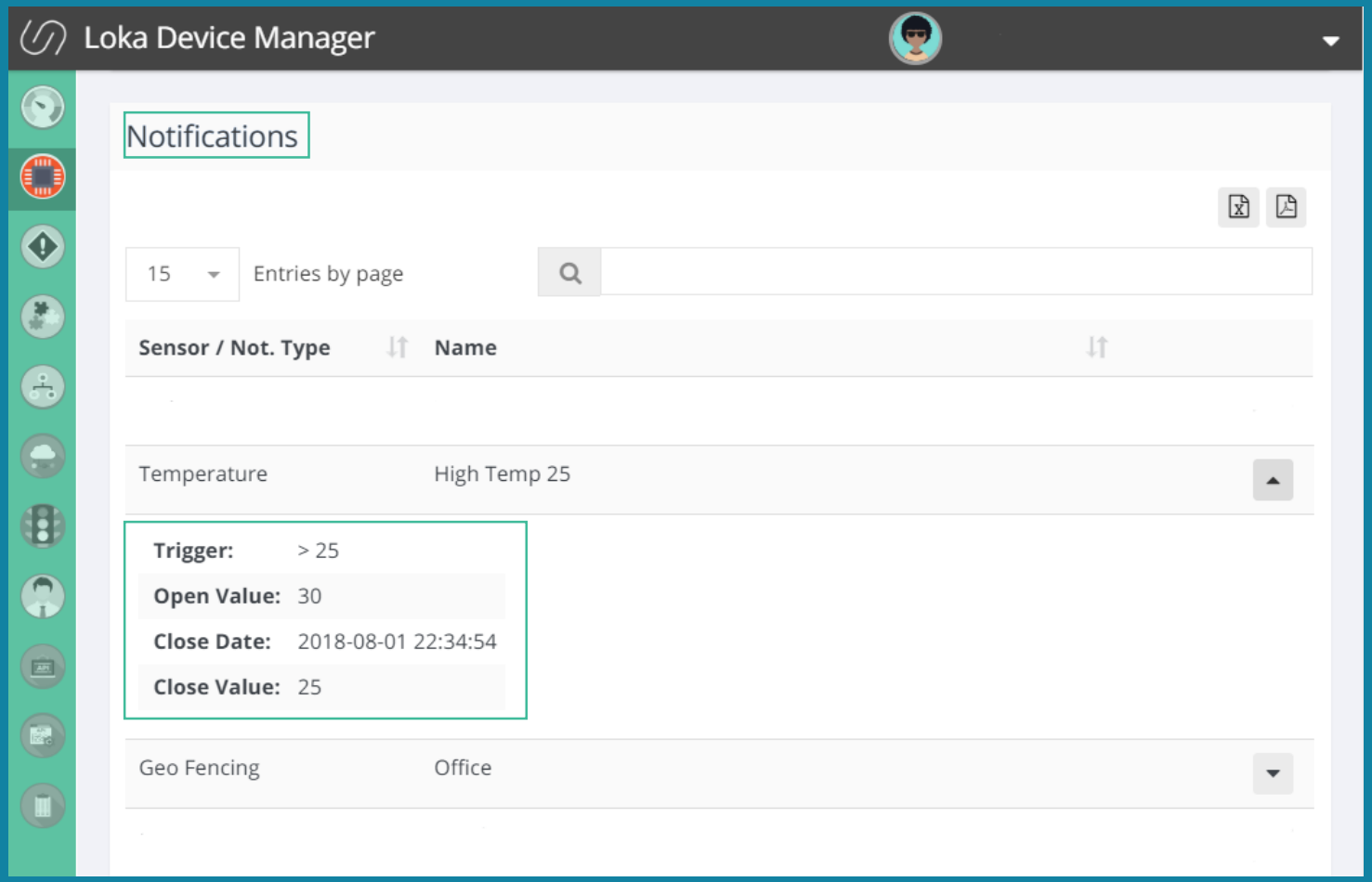

Here is an example of Temperature Notifications you can receive.

You will define that you want to be alerted every time the device registers a temperature above 25ºC. So here you received the notification because your asset's temperature reached 30ºC. And that notification was closed when it regulated back to 25ºC.

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CANISTERS & KEGS WITH LOKA GAIN CONSCIENCE OF:

- ✓ gas / beer, that now are tracked and monitored;
- ✓ low gas / beer levels in the canisters / kegs;
- ✓ gas / beer distribution network route and order management;
- ✓ whenever the asset LOKA is tracking enters or leaves the premises, thanks to notifications you have received.

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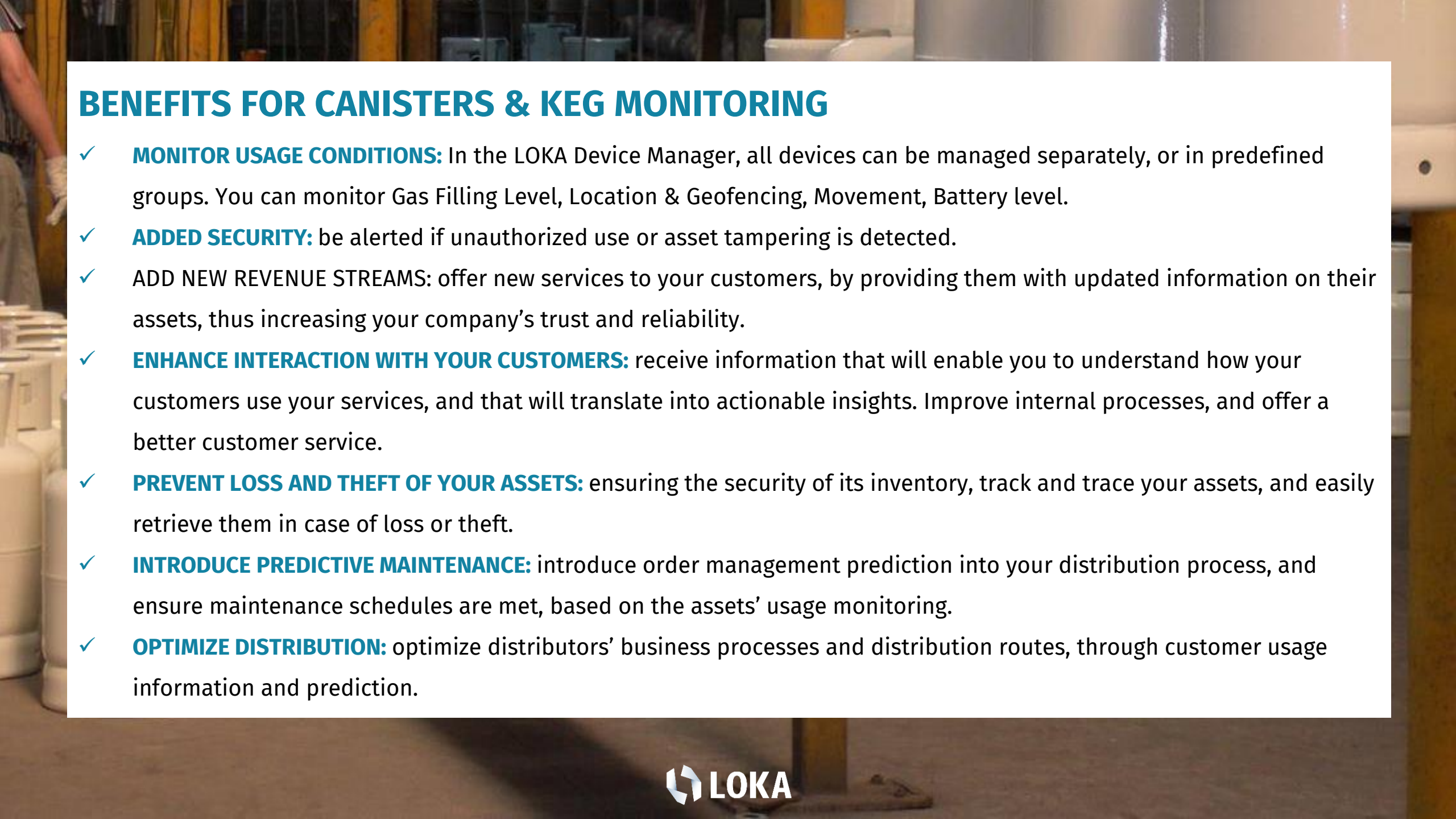

BENEFITS FOR CANISTERS & KEG MONITORING

- ✓ **MONITOR USAGE CONDITIONS:** In the LOKA Device Manager, all devices can be managed separately, or in predefined groups. You can monitor Gas Filling Level, Location & Geofencing, Movement, Battery level.
- ✓ **ADDED SECURITY:** be alerted if unauthorized use or asset tampering is detected.
- ✓ ADD NEW REVENUE STREAMS: offer new services to your customers, by providing them with updated information on their assets, thus increasing your company's trust and reliability.
- ✓ **ENHANCE INTERACTION WITH YOUR CUSTOMERS:** receive information that will enable you to understand how your customers use your services, and that will translate into actionable insights. Improve internal processes, and offer a better customer service.
- ✓ **PREVENT LOSS AND THEFT OF YOUR ASSETS:** ensuring the security of its inventory, track and trace your assets, and easily retrieve them in case of loss or theft.
- ✓ **INTRODUCE PREDICTIVE MAINTENANCE:** introduce order management prediction into your distribution process, and ensure maintenance schedules are met, based on the assets' usage monitoring.
- ✓ **OPTIMIZE DISTRIBUTION:** optimize distributors' business processes and distribution routes, through customer usage information and prediction.

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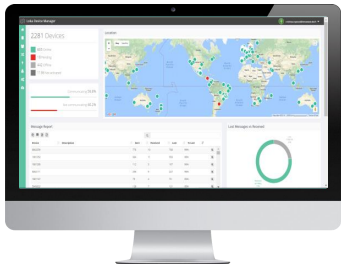
Business Model

LOKA PRIMIS device acquisition

Ranging from 16,00 to 39,50 EUR per device, pricing is dependent on order volume.
With acquisition of the device, we offer the LOKA Mind subscription and geolocation service fee for the first year.



Annual LOKA MIND - device manager Fee

After the first year, an annual service fee applies, per device and per year, for the usage of the IoT Cloud Platform and Geolocation services. Ranging from 0,50 to 2,50 EUR, pricing is dependent on order volume.
This service includes online and remote Support services.

Sigfox Connectivity

LOKA delivers the devices with Sigfox connectivity included. Or you can contact your local Sigfox Network Operator for a connectivity quote.

Want to see more?
Connect with us

João Tacanho
Managing Director
joao.tacanho@loka-systems.com

Cristina Raposo
Head of Sales & MKT
cristina.raposo@loka-systems.com

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