Solar lighting,
designed to last

NOVEA

GROUPE RAGNI

NOVEA LINK IN BRIEF
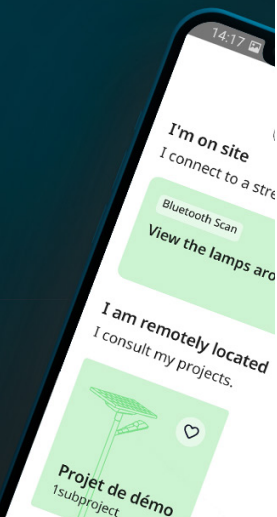## YOUR LOCAL SUPERVISION APPLICATION

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A custom application to:

- Retrieve operating information (battery charge status, anomaly, etc.) from the pole paired with the smartphone.
- Quickly view an anomaly.
- Request assistance from our internal support service if an anomaly is detected.
- Download updates to the paired lighting point, available on your app by Novea.
- Manage your fleet through projects and sub-projects and access for your team.
- Test the modulation of your lights in live.

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NOVEA LINK

Your supervision app
on site of your autonomous
public lighting

14:17

I'm on site
I connect to a stre

Bluetooth Scan
View the lamps aro

I am remotely located
I consult my projects.

Projet de démo
1subproject

PARK MONITORING
View live information
Live information on your
autonomous solar streetlight
and its history.

Categorize your projects and
manage team access.

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ASSISTANCE
An anomaly reported?
Use the possible actions to
check the operation of a unit.

Request assistance with a light
point in just a few clicks.

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The application is also available in:

- French
- Spanish
- German

GET IT ON
Google Play

Download on the
App Store

OUR NOVCOM Z NODE
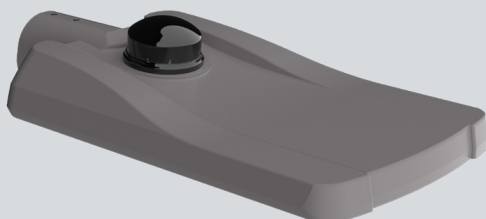## TO RETRIEVE THE INFORMATIONS

Quick and easy installation of the NOVCOM Z node:

- NOVCOM Z is added to the order with its dedicated installation sheet and essential information.
- Simply place it on the Zhaga base.
- A initialization sequence (light signal) is launched when the NOVCOM Z is powered.

GOOD TO KNOW
One node for several services

Basic functions

Functions with additional equipment

NOVMOOV
Communicating detection
Local inter-pole mode.

NOVEA LINK
Management of each lighting point at the foot of the pole
Bluetooth®
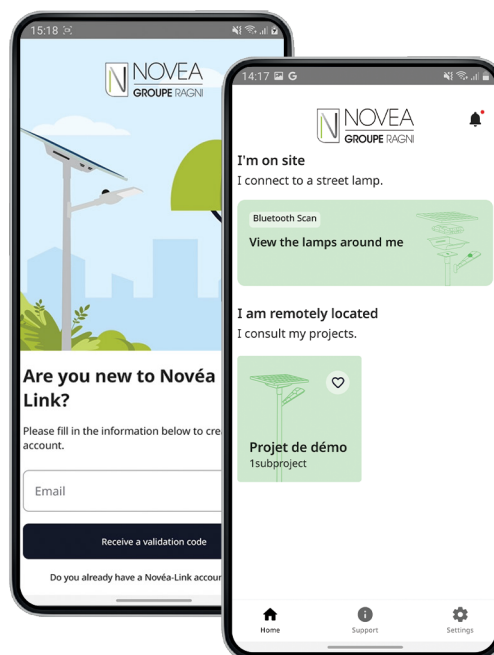Local assistance tool (collect operating information and re-configuration).

SEVe Connect
Remote management of solar street lights
Additional equipment required (gateway) +
Plateform subscription
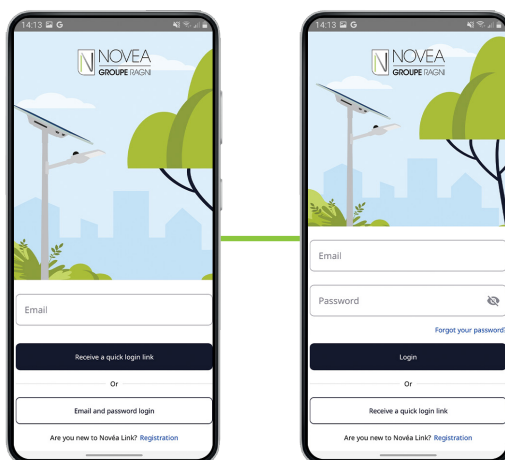For larger lighting projects

FIRST STEPS
CONNECT YOURSELF AND...
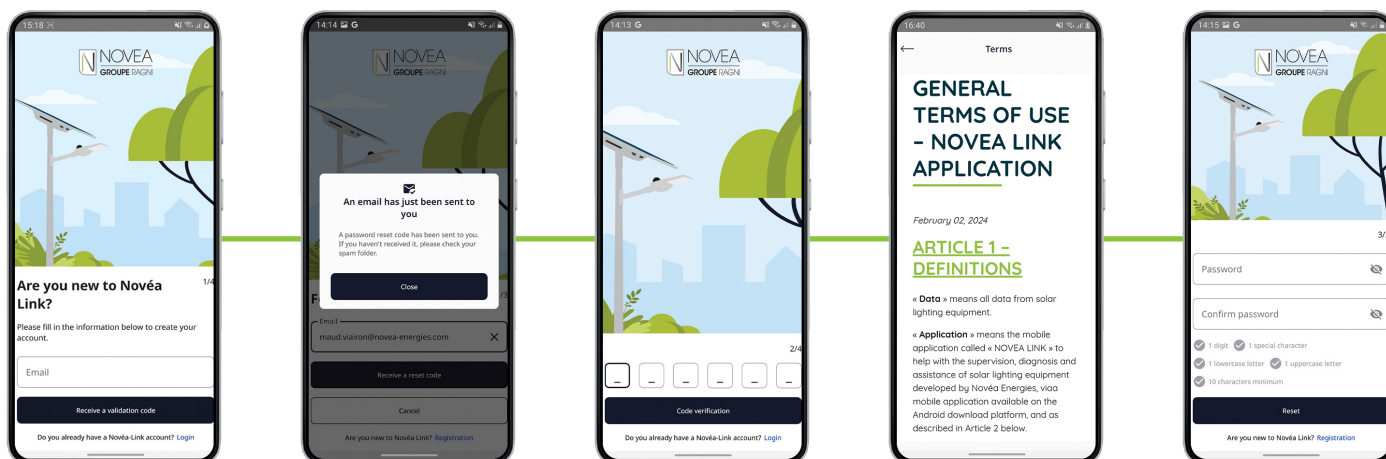
1 **Download the app:**

- Indicate in the order the contact person responsible for operating the project concerned.
- You (if you are the contact indicated) will receive an email to download the app (if this is not the case, do not hesitate to contact us at support@novea-link.com).
- Let yourself be guided by the app (connection by secure link or by password).
- You will arrive in your space with the project(s) assigned to you.

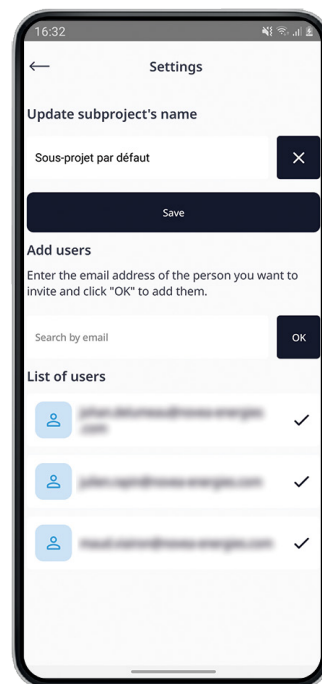### Connection by secure link or password

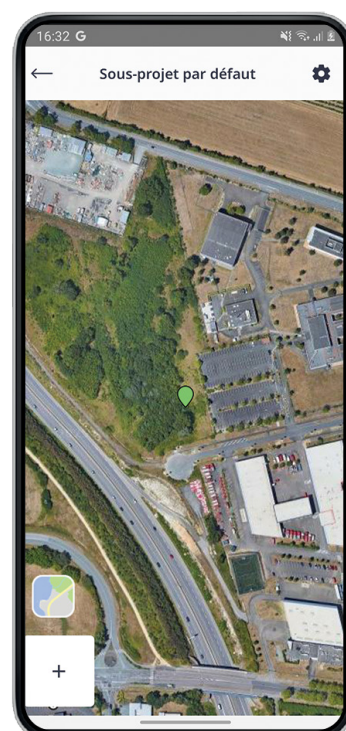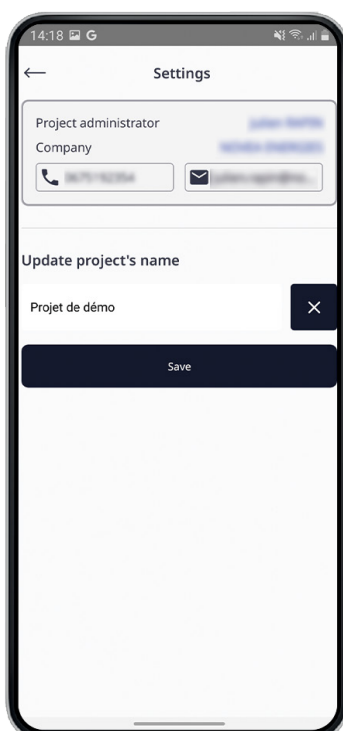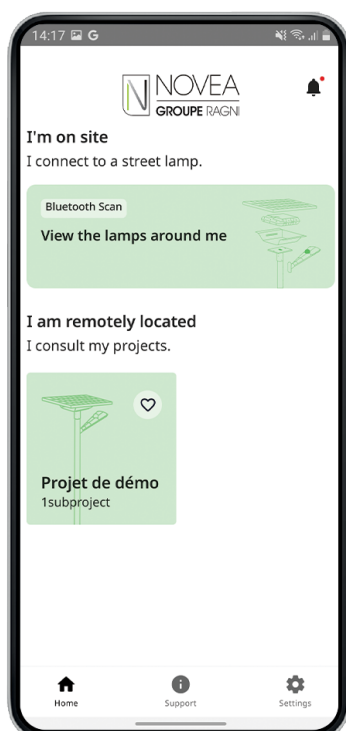### Quick inscription

FIRST STEPS
...MANAGE YOUR PROJECTS

2 **Set up access for your teams:**

- You will be able to give access to your sub-projects, independently.
- You will be able to add and remove users easily via the button. ⚙
- Each modification pushed by a user (name change, update...) will be visible to all users of the sub-project.

3 **Easy management of your projects:**

- Quick view of all your projects with possibility to select 4 favorites.
- Project information: list of sub-projects, summary of the status of light points, project owner with contact details.
- Sub-project information: list of sub-project users, map view with the sub-project's light points and possibility to consult the street lights INFOS tab.
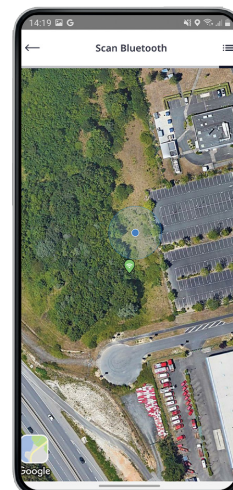
SUPERVISION
VERIFY THE LIVE OPERATION

1 Go to the site and activate Bluetooth®:

- If you are connected to the internet, a map will appear with the lights points. Otherwise, the list view will appear by default.
- The sets take about 30 minutes to position themsleves on their location when the node is first turned on. If you connect during this initialization, they will appear as tiles and then correctly replace themselves on the map once geolocated.
- Discover the status of the different streetlights nearby.

You do not have access to this detected NOVCOM Z

NOVCOM Z out of reach or offline

NOVCOM Z already scanned before but no longer on the current scan (e.g. turned off or out of reach of the Bluetooth® signal)

NOVCOM Z in range, without anomaly

NOVCOM Z in range, no anomalies, update available

NOVCOM Z in range, no anomalies, update in progress

NOVCOM Z in range, with anomaly

NOVCOM Z in range, with anomaly, update available

NOVCOM Z in range, with anomaly, update in progress

2 3 tabs will appear for visualise your solar set
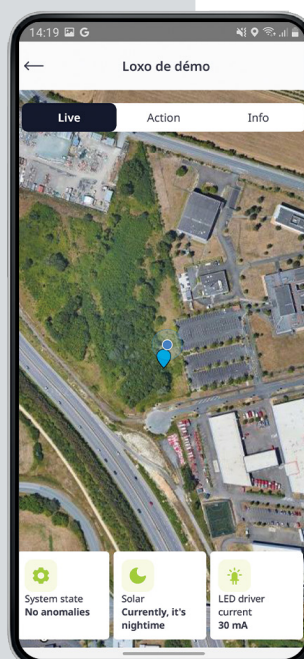
Live   Action   Infos

LIVE *TAB*

Access to live map view with main operating indications :

- System status (anomaly detected or not)
- Battery status (state of charge, power, temperature, etc.)
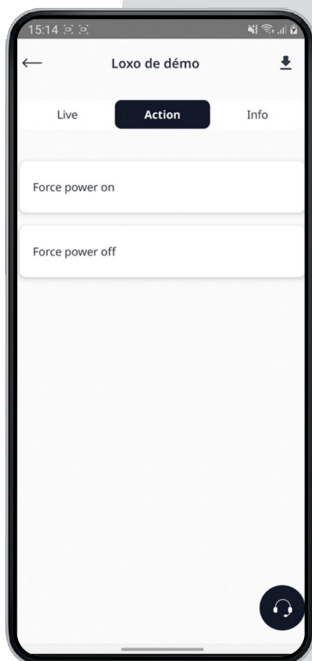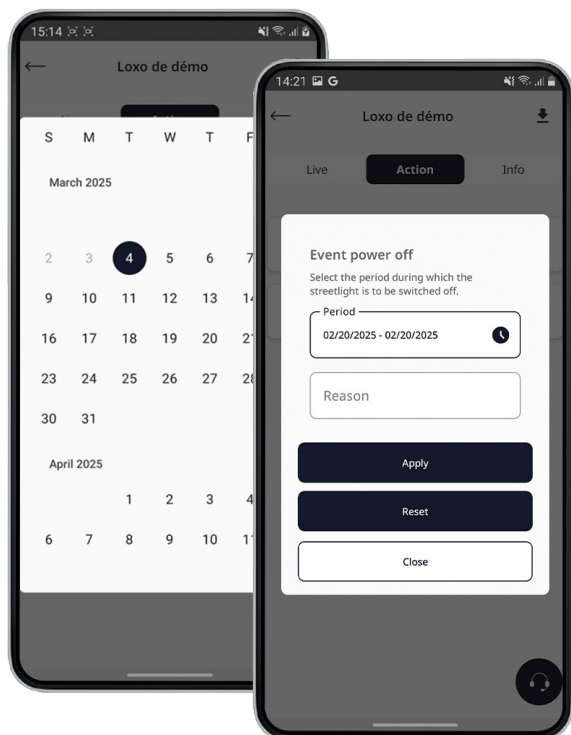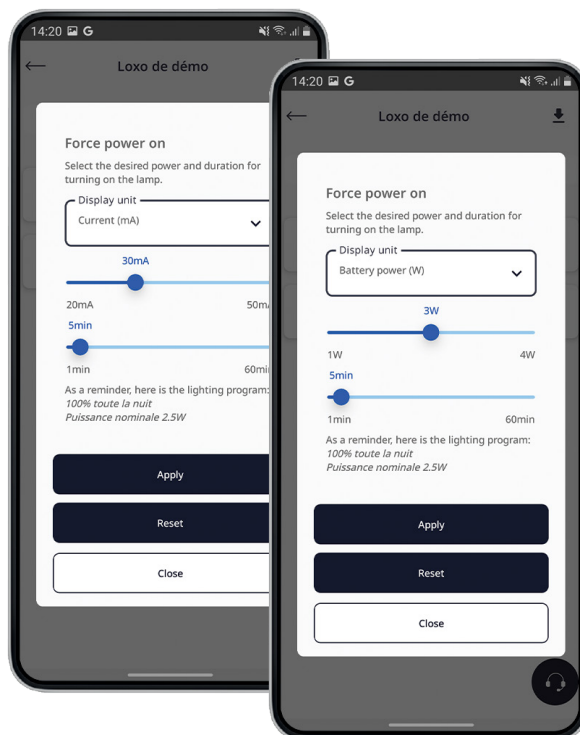- Driver LED

ACTION *TAB*

- **Diagnostic power off** Forced off for diagnostic up to 60 minutes.

- **Event power off** Duration: 100 days max. Can be scheduled up to 44 days before the event (calendar view).

- **Lighting modulation** Multiple value scales. Duration: up to 60 minutes. Customized for each project.
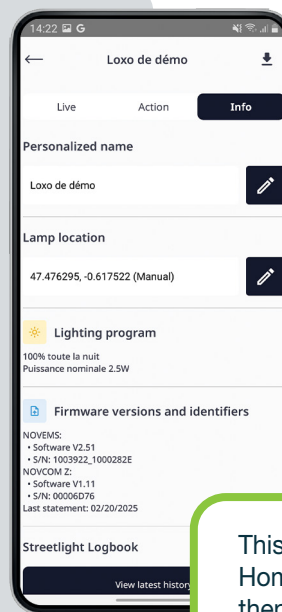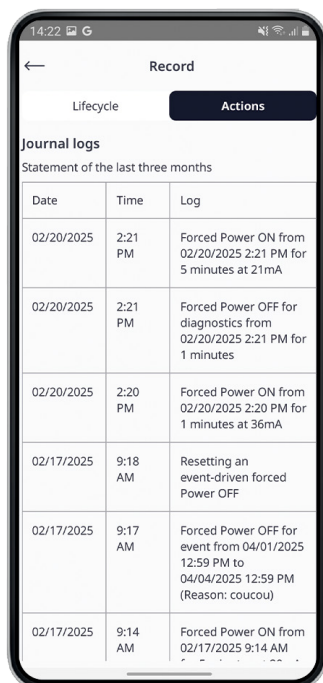
Event power off

Lighting modulation

INFOS *TAB*

Find the caracteristics of your street lamp:

- Name (customizable)
- Location (which you can modify manually)
- Lighting program
- Technical specifications
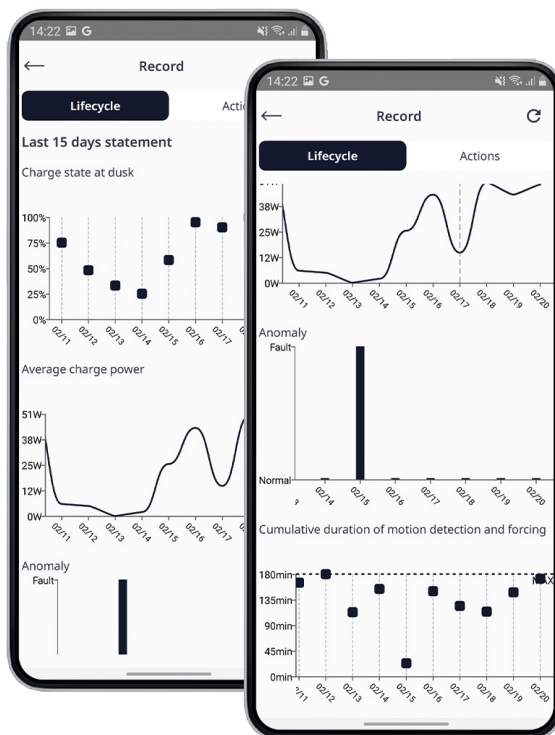- Log view (live if connected or last log read if offline)

This tab is available offline. Home > project > sub-project then the desired point.

Actions history

Operating history

AVAILABLE INFORMATION *(over the last 15 days)*

- The state of charge at dusk (%)
- The average charging power (W)
- Possible anomalies
- The cumulative duration of motion detection and forcing
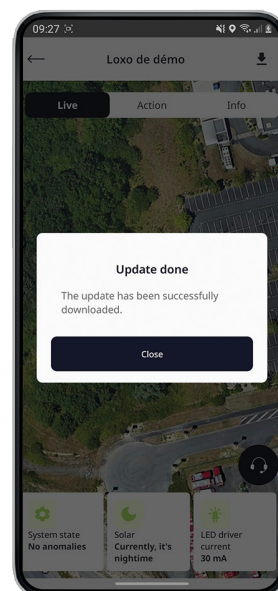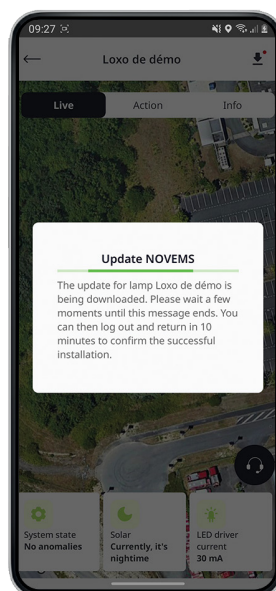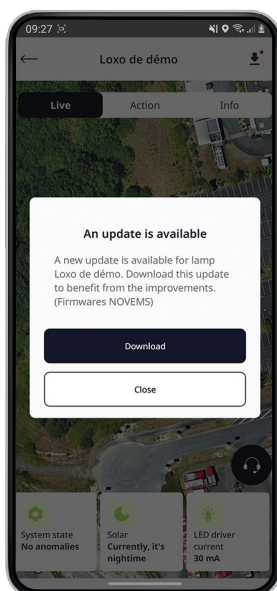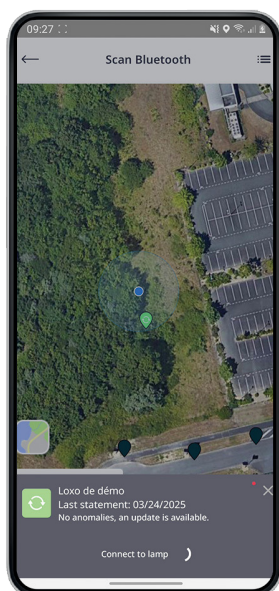
LIGHTING SCENARIO RESET
UPDATE YOUR SETTINGS

1 **Novea Energies supports you in the new configuration:**

- Test the modulation of your lighting on site then request a change of program via the app.
- Our design office validates the configuration via an energy study or offers you another option.
- Once the program is validated, the update is added to the dedicated space of the luminaire(s) concerned.
- All users with access to the sets to be updated are notified.

2 **Perform the update on site:**

- Launch the Bluetooth® scan on site to view your points.
- A pictogram appears indicating that an update is available.
- Click on a set to update.
- Follow the procedure who displayed on the pop-ups:
  - ➡ Download the update.
  - ➡ Log out once the update is complete.
  - ➡ Log back at least 10 minutes to check the installation of the update (the pictogram don't have a sigle anymore: ↻).
- If you want to install the update later, you can also find it via the pictogram. ⬇
- Add your projects to your favorites (4 maximum) and you can update the light sets of the project on site, even without internet.
- WARNING: each light point must be updated one by one.

GOOD TO KNOW

Other updates (NOVCOM Z node, addition to a project, etc.) are available in a dedicated space, accessible via the notifications you receive or the pictogram 🔔
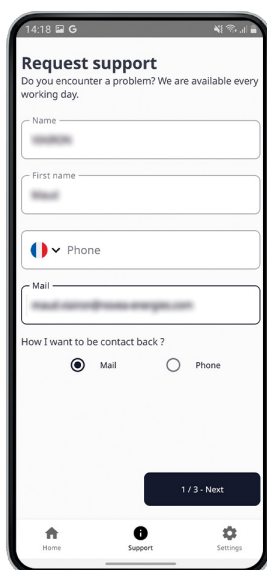
ASSISTANCE
CONTACT US IN A FEW CLICKS

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1 Identify and qualify the on-site malfunction:
- Launch the Bluetooth® scan on site to view your points.
- A pictogram appears with an anomaly on a point.
- Test its operation with the ACTION tab: switching on, off, etc.
- Consult the history of the last 15 days to see if the anomaly is recurring.
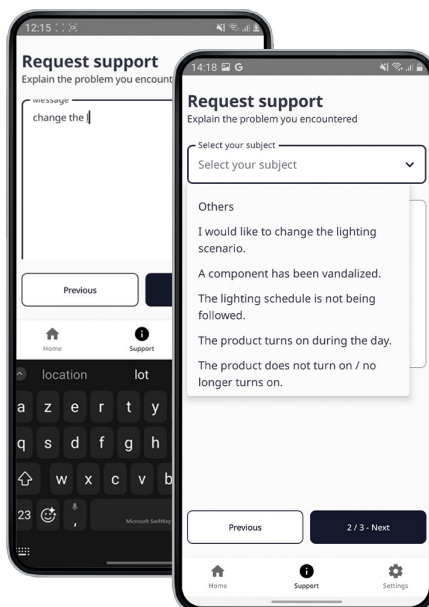- Launch a support request by clicking on the headset button.

2 Send a support request in a few clicks:
- The form has 3 steps for a quick and qualified request.

- **Step 1** : Your contact details
  - They are pre-filled with the information previously entered but you can also modify them if another person is in charge of being in contact with our after-sales service.
  - You have the possibility to choose by which channel we will contact you.

- **Step 2** : The message
  - A list of objects is available to quickly qualify the request.

- **Step 3** : Attachments
  - The history of the last 2 years is automatically attached.
  - You can also add photos of the lamp *(we advise you to provide a photo of the solar module with the south orientation in the background for the northern hemisphere (and north for the southern hemisphere)).*
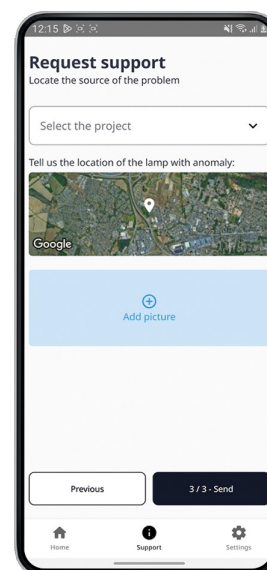
Step 1

Step 2

Step 3

3 Our internal support service will contact you:
- Contact will be made within 48 working hours
- The support team will help you troubleshoot the light point according to the fault reported.

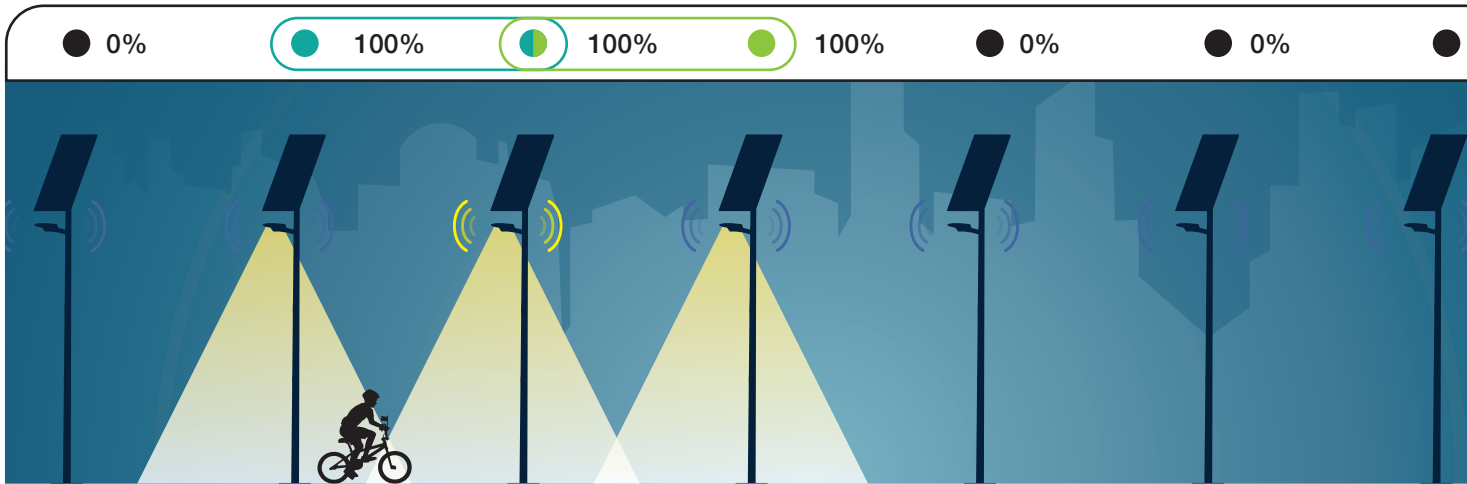➤ Support is faster and more efficient thanks to your qualified request upstream.

Request for assistance available offline via the home page.

NOVEA LINK - LOCAL SUPERVISION APPLICATION

NOVMOOV
DEFINE YOUR IGNITION GROUPS

As a reminder, our NOVMOOV option offers communicating detection: the sensor detects a user, one or more groups of lights switch from energy saving mode to full power mode.

| ● 0% | ● 100% | ◑ 100% | ● 100% | ● 0% | ● 0% | ● |

Example of grouping with 2 groups (of 2 streetlights, one of which is shared), **A** *and* **B***, enabling 3 sets to be lit simultaneously.*

With communicating detection, each streetlight switches on the luminaire(s) with which it shares at least one group. The advantages of grouping lights as closely as possible *(i.e. by 2, with one streetlight being able to be in several groups)*:
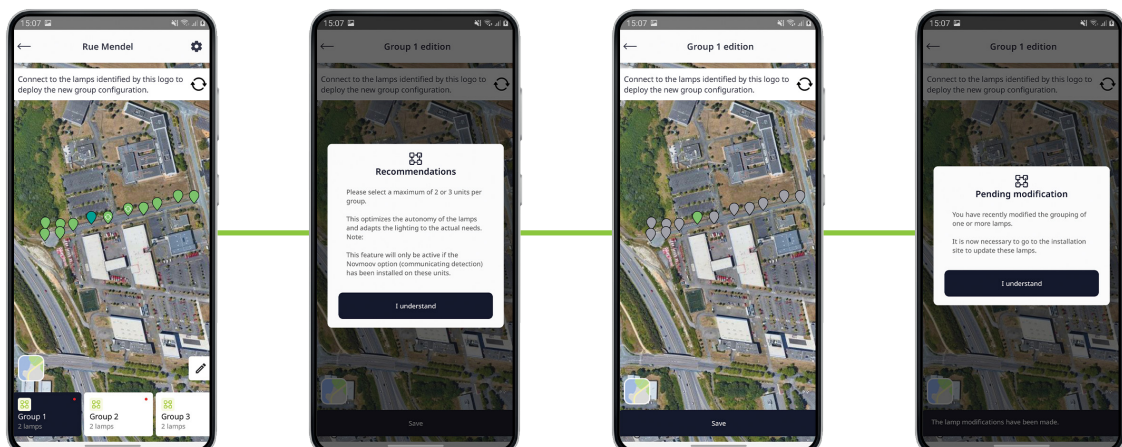
- Battery saving
- Detection time saving

> **GOOD TO KNOW**
> The addition of communicating detection implies greater energy consumption, it is therefore essential to plan for it when qualifying your project.

Modify your detection groupings as you wish:

- To prepare the new communicating detection configuration, you can choose your new grouping remotely, no need to be on site:
  - ➡ In home, go to the project then the sub-project that you want to change.
  - ➡ On the sub-project map, choose the group to modify or the + to add a group.
  - ➡ Click on the street lights to add/delete and save.
- To deploy the new configuration, go to your site and connect to each of the products concerned. A message appears when the action has been completed.
- The information also appears in the settings of each street light.

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