

The tool to make a pig's life cycle transparant

for farmers, researchers and processors

MANUAL backoffice

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The LeeO backoffice

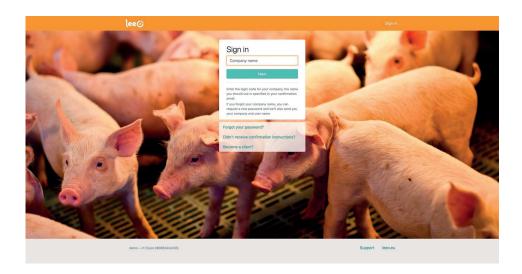
You are reading the LeeO backoffice manual. In this manual, we explain the functions of the backoffice, so you can use it at its full potential. We explain the functions through print screens. Do you have questions after reading the manual, or do you need help with your backoffice, feel free to contact LeeO: support@leeo.eu.

LeeO is an application that can be used by farmers, researchers, and processors. With LeeO, the entire pig cycle can be shown; from birth to slaughtering and processing of the meat. With LeeO, you can register all important moments in the cycle of the pig. Register your actions and the app automatically generates worklists. Your dashboard presents the data you collected with the app.

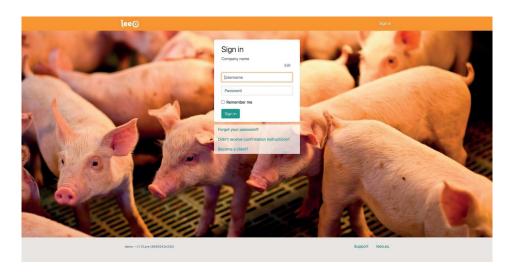
This dashboard can be customized to show the relevant datasets for you and your farm. With the information on your dashboard, you can use data to improve the production at your farm. The more data you collect and register, the more reliable the information the dashboard will be.

Log in

Before using the backoffice, you have to log in. You can go the backoffice in your browser via the URL https://my.leeo.eu.



Fill in the company name you registered your LeeO account on (send in account verification mail).



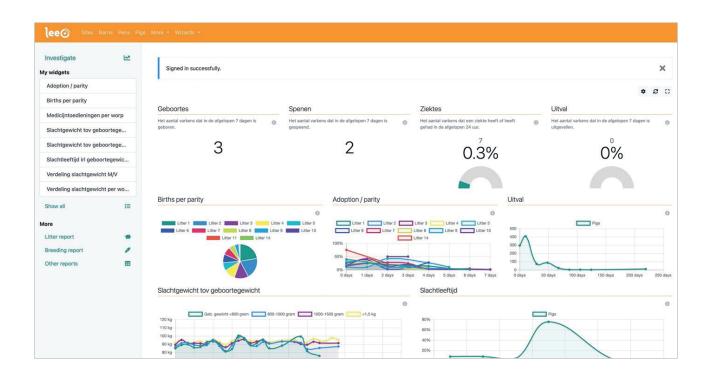
Fill in the username and password and log in.

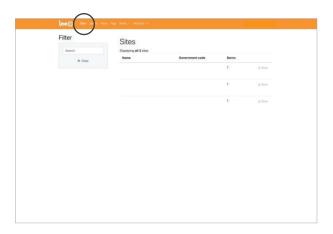
The homepage

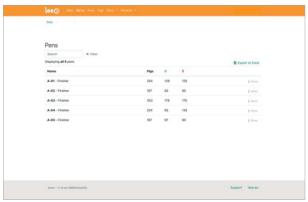
After logging in, you enter the application on the homepage. It shows you the dashboard where you can put your widgets. Widgets are graphs or tables, customizable to your wishes. These widgets are getting explained in detail later in the manual.

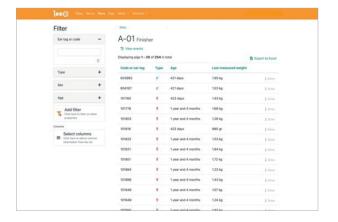
With the orange part of the homepage, you can easily navigate to your locations, barns, pens, and individual pigs. Select more to adjust the settings to show or hide functions, for example, transports, surveys, and treatments. Import and export data is possible through wizards.

The homepage also offers; the litter report, breeding report, and other reports. The data you collected through using the app can be researched by **investigate**.









Sites

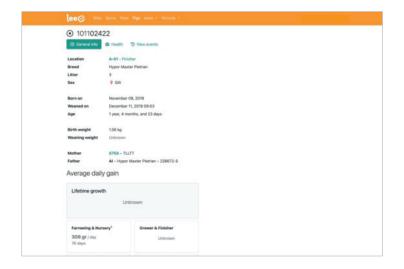
Does your company has more than one site, select the button **sites**. The screen shows you all available sites.

Select the site you want to gather more information about.

The page shows you the pens in this location. In this case, the rooms are created as a pen so the rooms will be shown.

Select a room/pen you want to know more about. The dashboard shows all the pigs in that location.

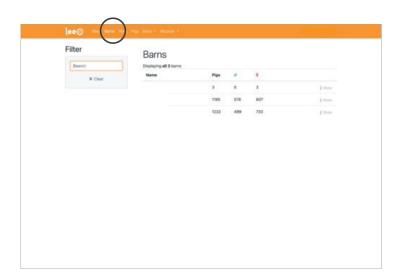
- Filter on ear tag, type, weight, age or add a new filter.
- With the button export to Excel, you can export the list to an Excel file.
- With the button view events, you can check the events that have taken place on the day or in the week of viewing the list.



Select an animal and find information about that animal.

Check information like:

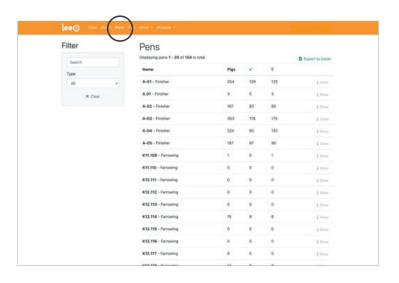
- Average daily gain
- Age
- Weights
- The mother
- Health status and treatments
- Events the animal has gone through



Barns

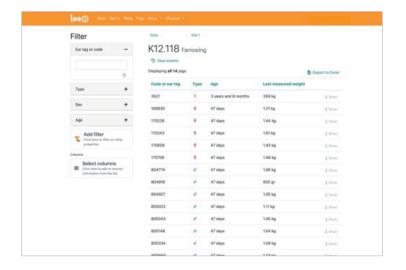
Do you have 1 site, but more barns, select barns to go to the right location.

Through barns, you can follow the same steps as in the function sites.



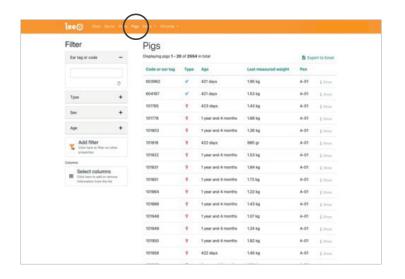
Pens

Select the button pens and you will find all the pens registered on your farm.



Select a pen and get an overview of all the animals in the selected pen.

- Filter on ear tag, type, weight, age, or add a new filter
- Look at the events that occurred in the pen, or export the pen list to Excel
- Select an animal and look at the information about that animal



Pigs

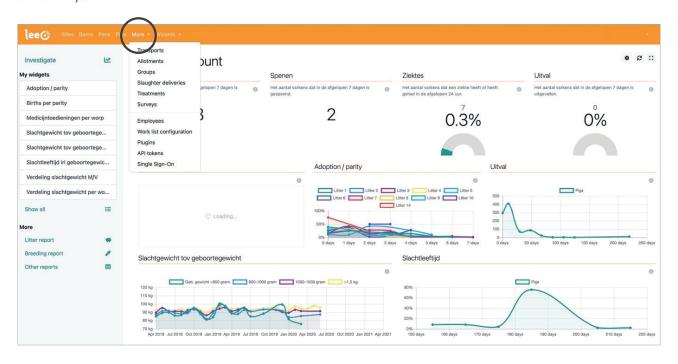
Select the button **pigs** and you will see a list of all the pigs on your farm.

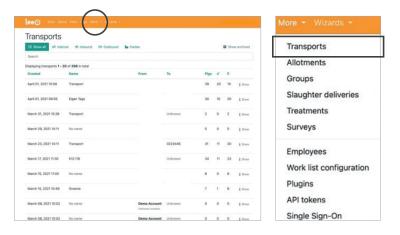
Filter the pigs with the filter function on the left side of your screen or export your pig list to Excel.

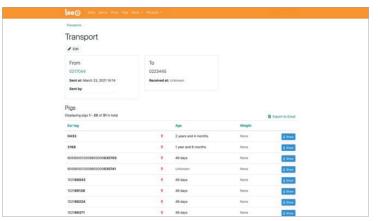
Select a pig to see all information about that animal.

More

Through the option **more** you can arrange transports, allotments, groups, slaughter deliveries, treatments, and surveys.





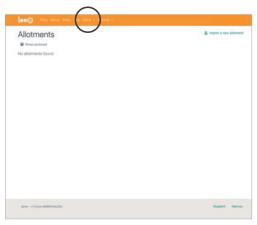


Transports

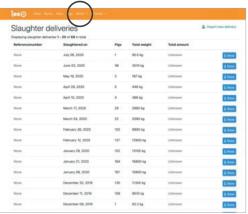
Select **transports** and get an overview of the transport of animals to and from your farm.

Select a specific transport and get info about that transport.

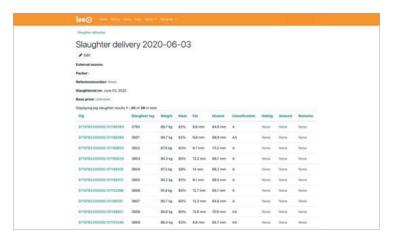
Select view to show individual information of the animals.













Allotments

Allotments are often made in research settings.

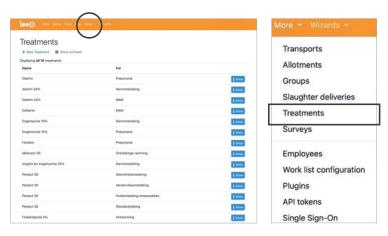
Import an allotment of animals in the backoffice, synchronize the app and the app will assign the scanned animals to the right pen. The backoffice will also give you information about allotments you have made before.

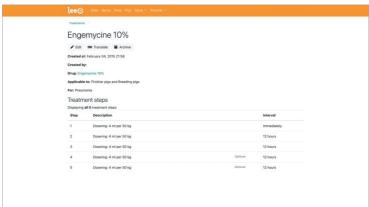
Slaughter deliveries

Your deliveries to the slaughterhouse are shown in a list.

Select **show** to show the slaughter results of that delivery.

Select an animal from that list to see information about that animal.



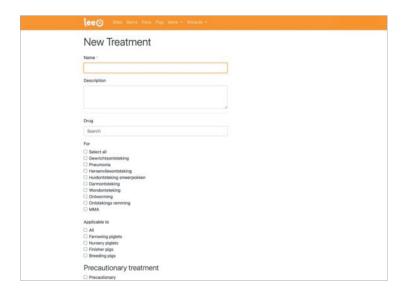


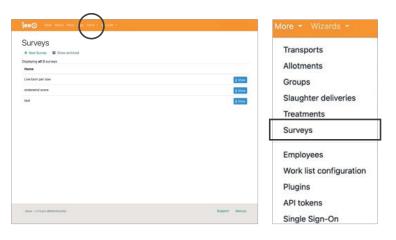
Treatments

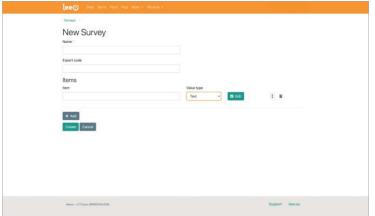
In treatments, you find a list of treatments you assigned to the diseases on your farm.

- Select **show**, and see the treatment steps.
- Select edit to change the treatment, the medicine, or the group of animals you use the medicine on.
- Do you not use the treatment on your farm anymore? Select archive to delete the treatment from your treatment list, it will not be shown in the app anymore. You can always undo this action by selecting dearchive.









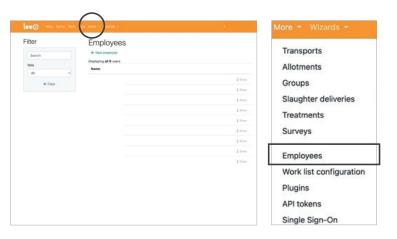
Make a new treatmentplan:

- 1. Select **new treatment**
- 2. Give the treatment a name
- Optional: give treatment a description
- Search for the right drug for your treatment. The drug has to be on your drug list to use in a treatment.
 Select the disease you use the drug for.
- 5. Select the group of animals you normally use the drug for.
- 6. Select if the treatment is a precautionary treatment or not. A precautionary treatment is for example deworming your animals, give your animals a vaccine or give pigs a drug to prevent diarrhea.

Surveys

Make surveys and see the results of your filled in surveys.

Select **make survey** to make your survey.





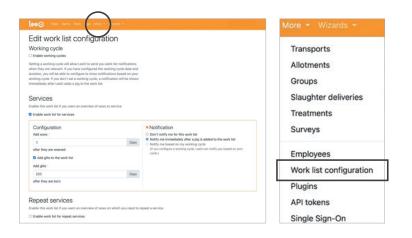
Employees

Select employees to see an overview of all users that have access to your company account. Select **show** to get user information. All events can be traced back to the user that registered the action, and the account can be edited at **edit**.

Create a new user. Fill in the fields.

If you want to limit the authorization of the user on your locations, you have to select the role

Customer employee.



Work list configuration

In the work list configuration, you can edit your worklists which can be used in the app for guidance. The work list assists you in the LeeO app, with treatments, inseminations, sows that have to be moved to the farrowing pens, and sows that are about to give birth. You can choose which work lists you want to be shown/activated in the app.

- 1. Working cycle. Setting a working cycle will allow LeeO to send work list notifications when they are relevant.
- 2. Services. Enable this work list if you like to get an overview of sows to service.
 - Add sows x days after weaning
 - Select if you want to add gilts to the worklist
 - Select at what age you want to add gilts to the worklist
 - Select when and how you want to be notified
- 3. Repeat services. Enable this work list if you like to get an overview of sows which need a second insemination.
 - Do you like to activate this worklist, turn on the option
 - Fill in the number of hours after the first insemination to added sows to the repeat service list.
 - Select when and how you want to be notified
- 4. Pregnancy check. Enable this work list if you like an overview of sows that are eligible for a pregnancy check.
 - If you want to activate the list, turn on the option
 - Select after how many days after insemination you like to do pregnancy check.
 - Select when and how you want to be notified
- 5. Move to farrowing. Enable this work list if you like an overview of sows that need to be moved to a farrowing pen.
 - Select if you want to activate the worklist
 - Fill in after how many days you like to do move the sows to the farrowing room after insemination
 - Select when and how you want to be notified
- 6. Farrowing. Enable this work list if you want an overview of sows on which are expected to farrow.
 - Select if you want to enable the worklist for farrowing
 - Fill in the number of days after insemination you expect the sows to give birth
 - Select when and how you want to be notified
- 7. Weaning. Enable this work list if you want an overview of piglets you need to wean.
 - Select if you want to enable the worklist for weaning
 - Fill in how many days after birth you want to wean
 - Select when and how you want to be notified

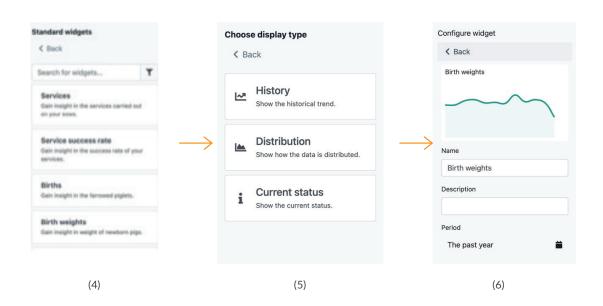
Widgets

In the dashboard configurator, you can customized graphs and tables shown on the dashboard. This way you can create information relevant to you and your company.



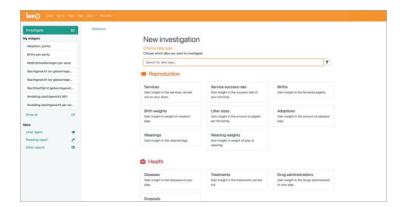
Create standard widgets

- 1. Log in to your dashboard.
- 2. Select the rattle to change your dashboard
- In the colomn on the left side of your screen you can see the standard widgets you can create
- 4. Select a widget you want to be shown
- 5. Select history, distribution, or current status
- 6. The dashboard creates the widget
- 7. Haul the widget to your dashboard





 Drag the widget to a place in the dashboard you like the widget to be shown and press save.
 The widget will be presented on your dashboard from now on.





Investigate

Besides the standard widgets, it is also possible to investigate your data on a deeper level. Select **investigate** to make advanced widgets from the data you have collected with the app.

- 1. Select investigate
- Choose a subject you want to investigate. In this example, we look into the relation of birth weight on the slaughtering weight.
- 3. In step 1, select the period you want to get data from.
- 4. In step 2, select the data you want to investigate. In this case, we start with the birth weights below 800 grams.
- 5. At step 3, fill in the group you want to compare with. In this example, we selected filter manually and filled in piglets with a birth weight between 800 grams and 1 kg (steps: filter manually →add filter → birth weight → minimum 0,8 kg, maximum 1 kg).
- 6. Do you want to compare more groups? Select **add data** set and repeat the previous step.
- 7. In step 4, you can add bounds. Add a lower and upper bound to the dataset to easily devide poor or good performance.





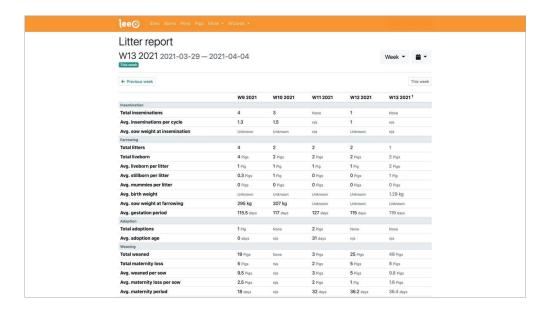


- 8. Are you happy with your widget? Select **next** at step 5.
- 9. You have created your own widget. In the widget, you can filter animals, edit the widget and save it to show it on your dashboard. In the case of this example, we save the widget.
 Be careful, the title of the widget has a maximum of 24 characters. You can add a larger description in the field below the title.

- Go back to the start screen of your dashboard by clicking on the LeeO logo.
- 11. Select the settings button. •
- 12. Drag your new widget from the left column of your dashboard to the middle of your screen.
- 13. Save the page.
- 14. The dashboard will show your widget.

Litter report

The litter report shows a weekly overview with data from your app. The litter report shows all data from the animals in the farrowing rooms from that week.

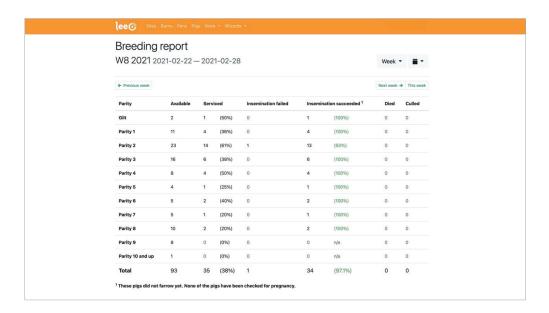


The litter report can be shown per day, per week, quarter, and year. Do you want to change the settings of the overview? Select (in the case of this example) **week**. Do you like to have information about a specific period, click on the calendar and fill in the requested period.

You can switch between weeks by clicking on the **previous week** or **next week**.

Breeding report

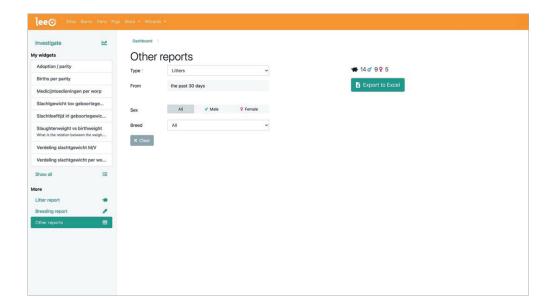
The breeding report is based on the same principles as the litter report. It gives you an overview of the inseminated animals, the deviation in parities, and if the inseminations were successful.



The breeding report can also be shown per day, week, term, and year. Do you want to adjust the settings, select in this case **week**. Do you want to see the breeding report for a specific period? Click on the calendar and fill in the requested period.

Other reports

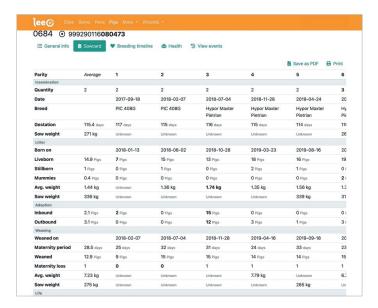
Do you want to export other reports than the litter report or breeding report, select other reports.



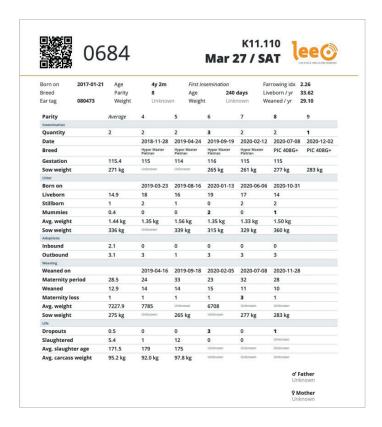
- 1. Select the type of report you like to have.
 - a. Litters
 - b. Dropouts
 - c. Weights
 - d. Drug administrations
- 2. Select a period you want to get info from
- 3. [optional] select a sex
- 4. [optional] select a breed
- 5. Select **export to Excel**
- 6. Your computer will download an Excel file with the list of animals you have exported

Sow cards

A sow or gilt gets a sow card when she is inseminated for the first time, or when the animal is marked as a breeding gilt. The sow card gives information about the sow and her production. It shows the inseminations, litters, adoptions, weaning information, and the results of the offspring of that sow.



Sow card on your computer



Sow card in print mode

Combining systems with LeeO

LeeO can connect with the following systems:

- Schippers scales (with Bluetooth)
- Henk Maas scales (with Bluetooth)
- FAS (Feed Allocation System) Prairie Systems (Plugin)
- Nedap weighing stations (plugin)
- TEWE feeding stations (imports)

LeeO also support Public APIs and Excel/CSV imports. Go to **https://api.leeo.eu/docs** to see all available options.