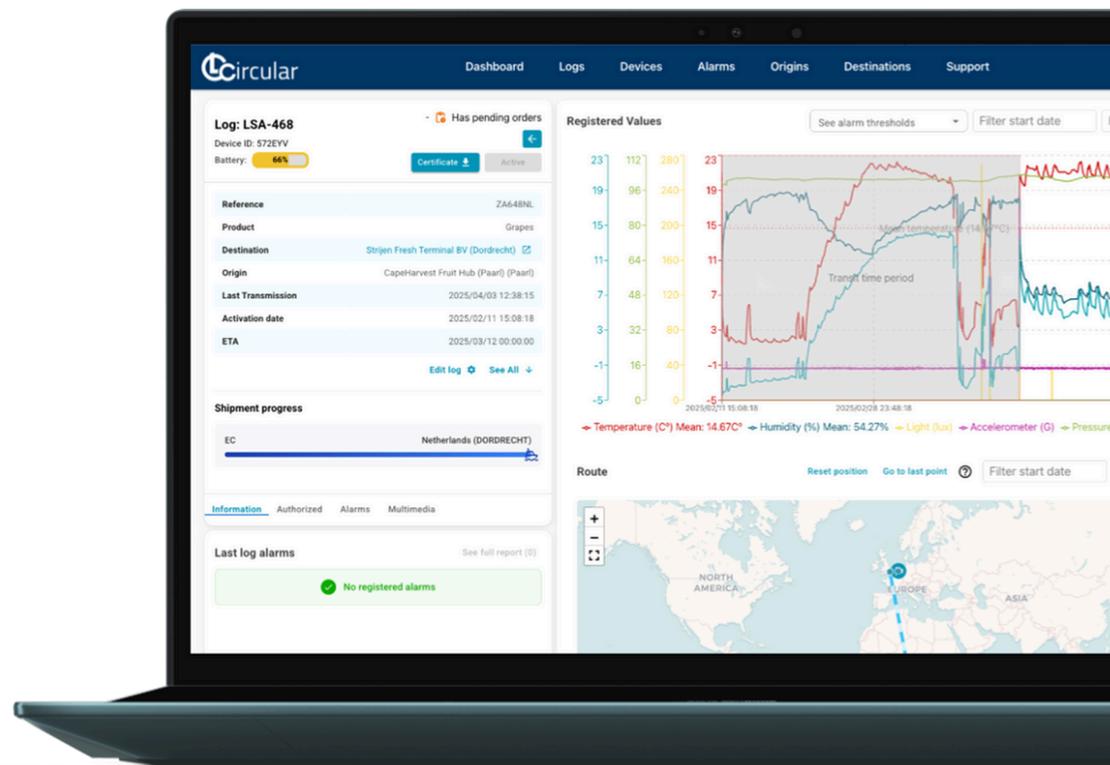




CLCircular Platform User Manual



Description:

This manual provides a detailed guide for the efficient use of the CLCircular platform, helping users maximize the benefits of real-time monitoring and supply chain digitalization through advanced IoT sensors. This document will teach you how to manage, configure, and optimize the platform's various modules and features, ensuring a sustainable and efficient logistics operation.



Introduction to the CLCircular Platform User Manual

Welcome to the CLCircular platform user manual. In this document, you will find all the necessary information to navigate and use our platform efficiently, allowing you to optimize supply chain management through real-time monitoring and advanced digitalization. In a business environment where efficient logistics and sustainability are key to success, CLCircular offers an innovative solution that integrates cutting-edge IoT technology with a strong commitment to sustainability.

What is CLCircular?

CLCircular specializes in real-time supply chain digitalization and visibility through the use of reusable IoT sensors. Our sensors monitor a variety of critical parameters such as temperature, humidity, impacts, door openings, and geolocation, transmitting this information in real time to a collaborative platform. This technology enables companies to make informed decisions, improve operational efficiency, and ensure products reach their destinations in optimal condition.

Advantages of Using CLCircular

- **Accessibility:** With our rental model, businesses of all sizes can access high-quality sensors at an affordable price, eliminating the need for high upfront investments.
- **Sustainability:** We are committed to reducing electronic waste by recovering, cleaning, and reusing our sensors after each use, minimizing environmental impact.
- **Innovation:** We integrate state-of-the-art technology to enhance supply chain efficiency, offering features such as custom alerts and advanced data analysis.
- **Collaboration:** We work closely with our clients to understand and meet their specific needs, ensuring seamless integration with their existing systems.
- **Environmental and Social Commitment:** Our business model aligns with sustainability and social responsibility principles, helping companies reduce their carbon footprint and meet environmental, social, and governance (ESG) KPIs.



Manual Structure

This manual is organized into several sections, each providing a detailed guide on a specific aspect of the CLCircular platform:

1. Platform Access and Main Navigation:

- Platform description and benefits.
- Instructions for access and initial navigation.
- Dashboard overview.

2. Sensor Management and Configuration:

- Accessing and managing logs.
- Search, filtering, and customization features.
- Data upload options and API connectivity.

3. Viewing and Editing Logs:

- Details on the log information screen.
- Procedures for editing and managing logs.
- Alarm configuration and management of authorized users.

4. Device Management Screen:

- Management and visualization of IoT devices.
- Advanced features of the interactive map.

5. Alarm Management:

- Importance and configuration of alarms.
- Creation and management of alarm groups.
- Email alert settings.

6. Origin Management:

- Registration and updating of origin points.
- Benefits of traceability and origin control.

7. Destination Management:

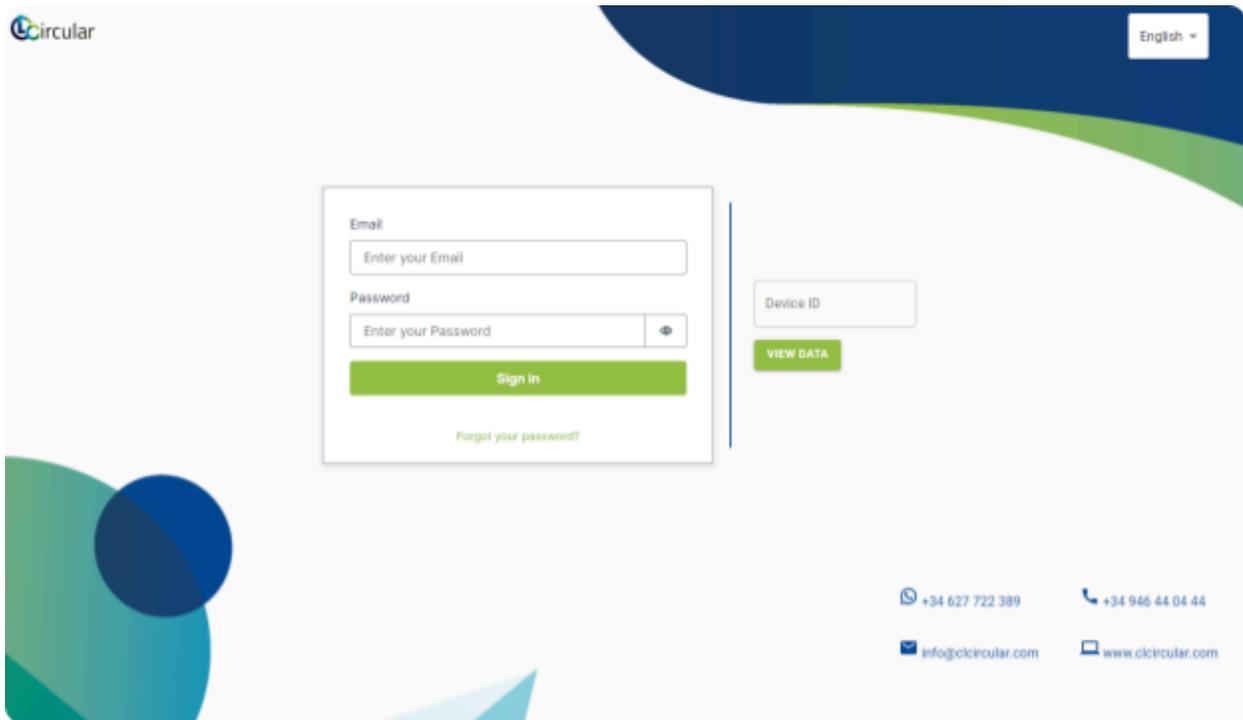
- Registration, validation, and management of destination points.
- User authorization for destination access.

8. Settings Management:

- Configuration of general information, logs, and authorized users.

We hope this manual helps you maximize the use of the CLCircular platform and improve the efficiency of your supply chain. If you need further assistance or have questions, don't hesitate to contact our support team at support@clcircular.com.

Part 1: Platform Access



To start using the CLCircular platform, follow these simple steps:

1. Login:

- **Step 1:** Open your preferred web browser and go to the CLCircular home page at <https://www.clcircular.com/>.
- **Step 2:** In the upper right corner, click the "Sign in" button.
- **Step 3:** Enter your username and password in the appropriate fields.
- **Step 4:** Click "Sign In" to access your account.

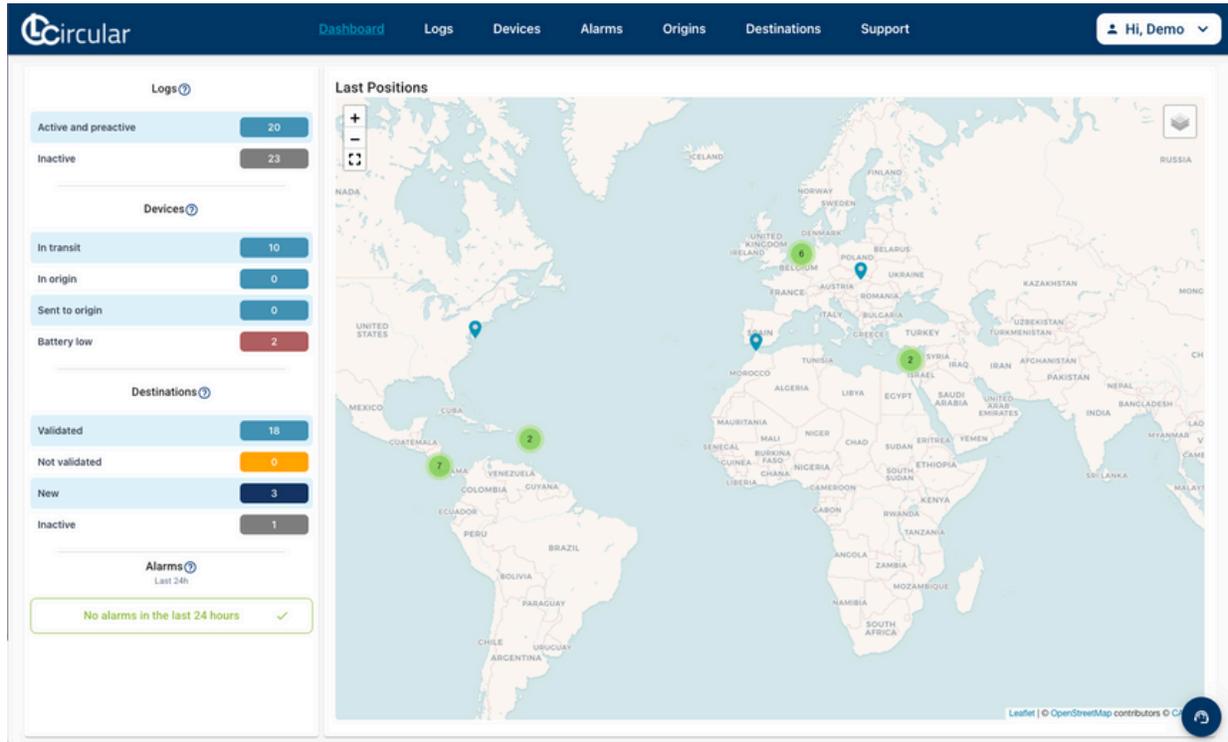
2. Recover Password:

If you have forgotten your password, you can easily recover it.

- **Step 1:** On the login page, click "Forgot your password?"
- **Step 2:** Enter your registered email address.
- **Step 3:** You will receive an email with instructions to reset your password.



Main Navigation



Once you have logged in to the platform, you will find the **Dashboard**, which offers an overview of all your sensor activities and their current status.

1. Dashboard:

- **Overview:** The Dashboard provides an overview of all your active and pre-active sensors and logs. Here you can see the status of your devices, current alarms, and a summary of the origins and destinations of your shipments.
- **Dashboard Components:**
 - **Active and Preactive Logs:** This section shows how many devices are currently in use (active logs), how many are pending use (preactive logs), and how many have already been used (completed logs). It is represented in a pie chart that indicates the percentage of each state.
 - **Active and preactive:** Indicates the number and percentage of logs that are in use or in preparation.
 - **Finished:** Shows the logs that have completed their use cycle.
 - **Device Status:** Provides information about the status of each device, including those in transit, at origin, sent to origin, and

those with low battery. This is represented in a pie chart with percentages.

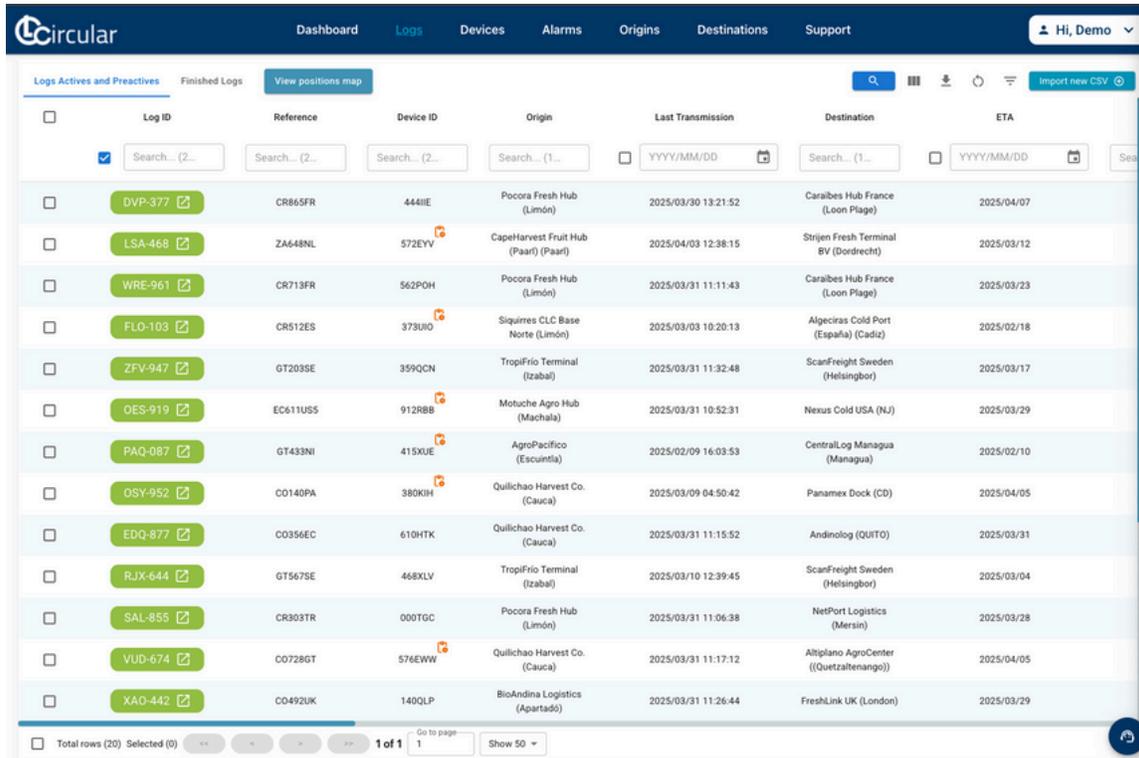
- **In transit:** Devices that are currently in motion.
- **In origin:** Devices that are at the point of origin.
- **Sent to origin:** Devices that are in the process of arriving at origin warehouses.
- **Low battery:** Devices that require recharging.
- **Alarms:** Shows a summary of current alarms and those that have been activated in the last 24 hours.
 - **Current alarms:** Indicates the number of alarms that are active.
 - **Last 24 hours:** Shows the number of alarms that have been activated in the last 24 hours.
- **Origins:** Lists the points of origin of shipments, indicating the total number of monitored origins.
 - **Origin List:** Shows the names of the origin points and their location.
- **Destinations:** Provides information on shipment destinations, including validated and non-validated shipments, and their percentage represented in a pie chart.
 - **Not validated:** Destinations that have not yet been confirmed or validated.
 - **Validated:** Confirmed and validated destinations.
 - **Inactive:** Destinations that are not currently in use.

2. Real Time Map:

○ Access to the Map:

- From the main menu at the top of the page, select the "Map" option.
- **Interactive Map:** Here you will see the geographical location of all your sensors in real time.
- **Sensor Icons:** You can click each icon to get additional details about the sensor.
- **Zoom and Details:** Use the zoom and pan functions to focus on specific areas of the map and get a detailed view of the sensor locations.

Part 2: Sensor Management and Configuration



Log ID	Reference	Device ID	Origin	Last Transmission	Destination	ETA
DVP-377	CR865FR	448IE	Pocora Fresh Hub	2025/03/30 13:21:52	Caribes Hub France (Loon Plage)	2025/04/07
LSA-468	ZM448NL	572EYV	CapeHarvest Fruit Hub (Paarl) (Paarl)	2025/04/03 12:38:15	Strijen Fresh Terminal BV (Dordrecht)	2025/03/12
WRE-961	CR713FR	562POH	Pocora Fresh Hub (Limón)	2025/03/31 11:11:43	Caribes Hub France (Loon Plage)	2025/03/23
FLO-103	CR512ES	373UJO	Siquirres CLC Base Norte (Limón)	2025/03/03 10:20:13	Algeciras Cold Port (España) (Cadiz)	2025/02/18
ZFV-947	GT203SE	359QCN	TropiFrio Terminal (Izabal)	2025/03/31 11:32:48	ScanFreight Sweden (Helsingbor)	2025/03/17
OES-919	EC611US5	912RBB	Motuche Agro Hub (Machala)	2025/03/31 10:52:31	Nexus Cold USA (NJ)	2025/03/29
PAQ-087	GT433NI	415XUE	AgroPacífico (Escuintla)	2025/02/09 16:03:53	CentralLog Managua (Managua)	2025/02/10
OSY-952	CO140PA	380KJH	Quilchao Harvest Co. (Cauca)	2025/03/09 04:50:42	Panamex Dock (CD)	2025/04/05
EDQ-877	CO356EC	610HTK	Quilchao Harvest Co. (Cauca)	2025/03/31 11:15:52	Andinolog (QUITO)	2025/03/31
RJX-644	GT567SE	468XLV	TropiFrio Terminal (Izabal)	2025/03/10 12:39:45	ScanFreight Sweden (Helsingbor)	2025/03/04
SAL-855	CR303TR	000TGC	Pocora Fresh Hub (Limón)	2025/03/31 11:06:38	NetPort Logistics (Mersin)	2025/03/28
VUD-674	CO728GT	576EWW	Quilchao Harvest Co. (Cauca)	2025/03/31 11:17:12	Altiplano AgroCenter ((Quetzaltenango))	2025/04/05
XAO-442	CO492UK	140QLP	BioAndina Logistics (Apartadó)	2025/03/31 11:26:44	FreshLink UK (London)	2025/03/29

Access to the Logs Section

The Logs section in the CLCircular platform is crucial for the management and monitoring of IoT devices. You can access this section in two ways:

1. From the Dashboard:

- In the Dashboard, click the logs square that displays a summary of active and pre-active logs. This will take you directly to the Logs screen.

2. From the Main Menu:

- At the top of the page, select "Logs" from the main menu. This will direct you to the Logs screen where you have a detailed and customizable view of all the logs.

Logs Screen

The Logs screen provides you with a customizable database where you can manage all devices and their respective logs. Here is a detailed description of each component and functionality:

1. Top Navigation Bar:



- The top navigation bar contains several tools that allow you to interact and manage your logs efficiently:
 - **Search and Filter:**
 - **Magnifying glass (Search):** Use the magnifying glass icon to search for specific logs by entering key terms such as Log ID, reference, or device ID. This functionality is useful for quickly finding a particular log among many.
 - **Three Vertical Bars (Columns):** By clicking this icon, you can select which columns you want to see in the table. This allows you to customize the view of the data to your needs.
 - **Down Arrow (Download CSV):** This icon allows you to download the contents of the table in a CSV file. It is useful for performing external analysis or for archiving data.
 - **Circular Arrow (Reset Columns):** By clicking this icon, you can reset the columns to their default settings, removing any customizations you have made.
 - **Three Horizontal Lines (Filter Information):** This icon allows you to apply filters to see only the information that interests you. You can filter by various criteria such as dates, device statuses, etc.

2. View of Active and Preactive Logs:

- **Log Lists:** This section shows all the logs that are active and pre-active.
- **Customizable Fields:** Each column in the table (Log ID, Reference, Device ID, Source, Last Transmission) is customizable. You can add as many fields as you need to suit your specific requirements.
- **Log States:** Logs can be active (green) or pre-active (orange).
- **Upload New CSV:** Upload New CSV: You can manually upload data from a CSV file. This is useful for mass updates to log metadata.
- **Examples of Customizable Fields:** You can include additional fields such as type of cargo, special transport conditions, customer notes, etc.

3. Device Management:

- **Activation/Deactivation of f Sensors:** You can activate or deactivate sensors in aggregate.
- **Origin and Destination Data:** Each log includes information about the origin and destination of the shipment, facilitating tracking and logistics planning.

4. Latest Positions Map:

- **Real Time Viewing:** On the right of the screen, you will see a map showing the latest positions of the devices. The icons on the map represent the current location of each sensor.
- **Location Details:** Clicking an icon on the map will display additional details about the device and its status.

Data Charging and Connectivity

CLCircular offers multiple options for charging and managing device data:

1. Manual Data Upload:

- **CSV Import:** You can manually upload data from a CSV file. This is useful for mass updates to log metadata.
- **Customizable Fields:** CSV files can contain as many fields as you need, allowing for complete database customization.

2. Sending Files for Upload:

- **Technical Assistance:** If you prefer not to handle the data upload yourself, you can send the files to our technical support team, who will take care of uploading the data to the platform for you.

3. API connection:

- **Integration with External Systems:** Our API allows seamless integration with your company's existing systems. This ensures that device data is automatically synchronized with your internal database.
- **API Documentation:** We offer detailed documentation and support to help you connect your systems to our platform efficiently.

Customization and Scalability

The CLCircular platform is designed to be completely customizable and scalable, adapting to the specific needs of your company:

1. Customizable Fields:

- You can add, modify or delete fields in the database as required, providing great flexibility in data management.
- **Examples of Customizable Fields:** You can include additional fields such as type of cargo, special transport conditions, customer notes, etc.

2. Dynamic Sensor Management:

- **Activation/Deactivation of sensors:** This functionality allows devices to be managed continuously, ensuring that they are always operational and ready for use.



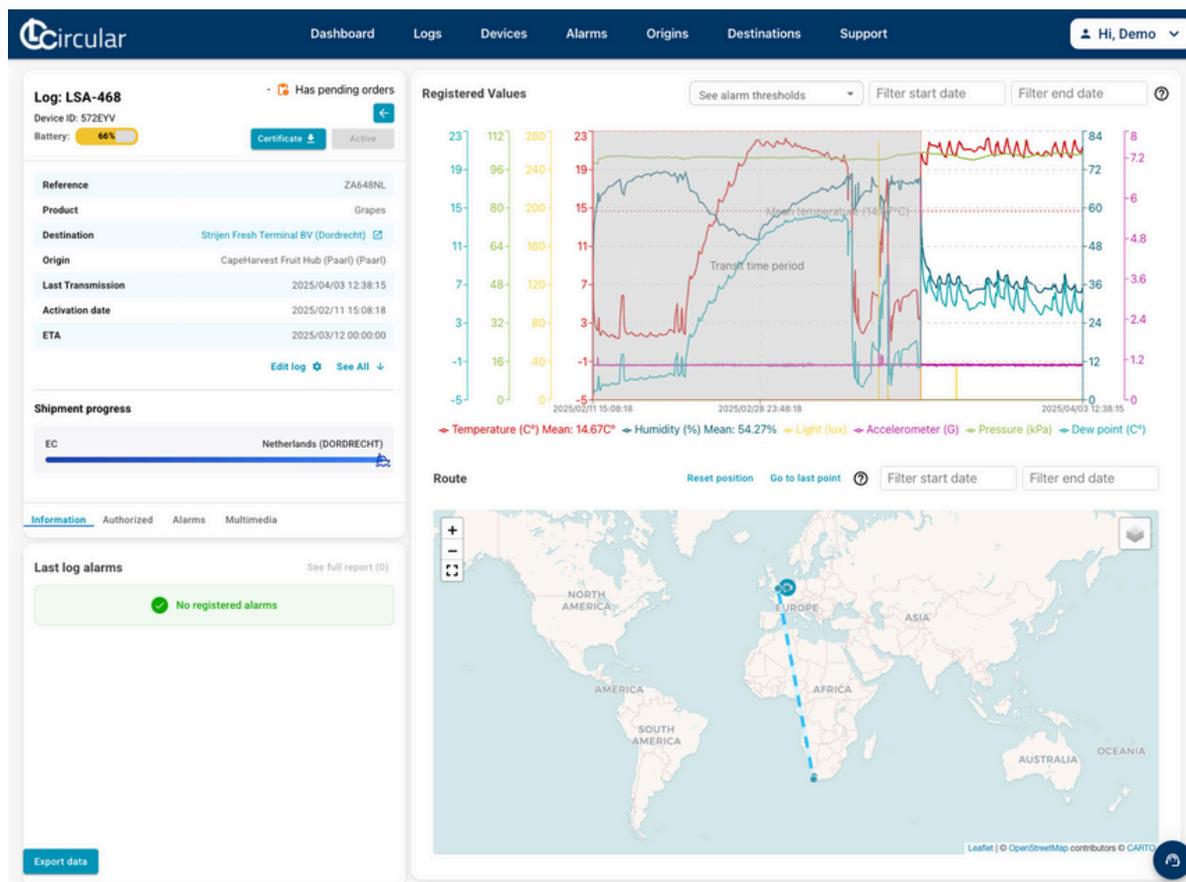
- **Monitoring and Alerts:** Set up custom alerts to receive instant notifications about any critical changes in monitored conditions (temperature, humidity, impacts, etc.).

Part 3: Viewing and Editing Logs

Access to Log Information

Once you have accessed the Logs section and selected a specific log, you will be directed to a detailed screen that provides exhaustive information about that log. Here we explain each component and functionality of this screen:

Log Information Screen



This screen is divided into several key sections that give you a complete view of the status and data of the selected log.

1. Log Information (Top Left):

- **Log Details:** Here you will find basic information about the log, including device ID, origin, battery status, transported product, last data transmission, and activation date.
- **Fields:**
 - **Reference:** Custom detail to identify the log.

- **Battery:** Current battery status of the device.
- **Product (customizable):** Type of product being monitored.
- **Last Transmission:** Date and time of the device's last data transmission.
- **Activation Date:** Date and time the device was activated.

2. Registered Values (Top Right):

- **Data Graph:** This section shows a graph with the values recorded by the device, including temperature, humidity, light, accelerometer and dew point. The graph allows you to visualize how these parameters have changed over time.
- **Date Filters:** You can filter data by date range to get a more specific view of values recorded in specific periods.

3. Route (Bottom Left):

- **Route Map:** Shows the route followed by the device on an interactive map. You can see the transmission points along the journey.
- **Control Buttons:**
 - **Reset Position:** Restores the map view to the original position.
 - **Go to Last Point:** Focuses the map on the last recorded transmission point.
 - **Date Filter:** Allows you to filter the route display by specific dates.
 - **Export Data:** You can export route data for external analysis or reporting.

4. Report Download Button (bottom left):

You can download the log certificate for your records or to share it with other interested parties.

5. Latest Alarms (Bottom Right):

- **Alarm List:** Displays a list of the latest alarms generated by the device. You can see more details by clicking "See More".
- **Alarm Status:** Indicates whether there are active alarms and their resolution status.



Log Editing

Edit Log: WRE-961

Settings

Sampling Period (min): 10 Public:

Sending Period (min): 30 Active:

Metadata

Destination: Caribes Hub France (Loon Plage)

Reference: CR713FR Departure Date: 2025/03/10

Pallet: 274411457034720942 Container Number: TRIU8078672

Truck license plate: Carrier: CMA CGM

Product: Pineapple Vessel Name: CMA CGM FORT FLEUR DEPEE

ETA: 2025/03/23 Transport type:

Incoterms: FOB Supply Chain Coordinator: Erik Jonsson

Cancel Save changes

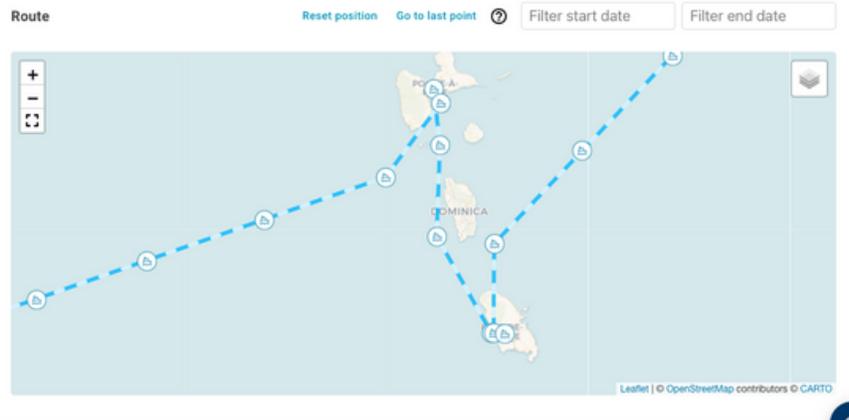
To edit the log information, click the gear icon in the information table on the left, below the "Activation date." This will open an editing window where you can update various log parameters.

1. Log Edit Window:

- **Sampling Period:** Defines how often the device should record data (in minutes).
- **Sending Period:** Defines how often the device should send the recorded data to the platform (in minutes).
- **Destino (Destination):** Specifies the final destination of the shipment. It is crucial to define this so that the CLCircular team can plan sensor collection.
- **Additional information:**
 - **Reference:** Custom identifier for the log.
 - **Loading Date:** Date on which the cargo was placed on the transport.
 - **Departure Date (Departure Date):** Date the shipment left the origin.
 - **Vessel Name:** Name of the ship if applicable.
 - **Product:** Type of product being transported.
 - **Container Number (Container Number):** Container number for additional tracking.
 - **ETA (Estimated Time of Arrival):** Estimated shipment arrival time.
 - **Pallet:** Additional information on the pallet if necessary.



- **Visibility Options:**
 - **Public (Public):** Log data can be set to public or private.
 - **Active (Active):** You can activate or deactivate the log.
- 2. **Container Tracking:**
 - If you complete the "Vessel Name", "Container Number" and "ETA" fields, CLCircular can track the position of the container and provide updates on its status and time of arrival from the platform.



Authorized User Management

In the upper left corner of the log information screen, you can define which users are authorized to view this log information:

1. **User Authorization:**
 - **Add User:** Enter the name or email of the user you want to authorize and click "Add New".
 - **List of Authorized Users:** Shows all users who have permission to access log information.

Automatic Alarm Configuration

From the log information screen, you can configure automatic alarms based on the type of merchandise:

1. **Alarms:**
 - **Add Alarm Group:** In the alarms section, you can add a new group of alarms to the log.
 - **Save Changes:** Be sure to save your changes after setting alarms.



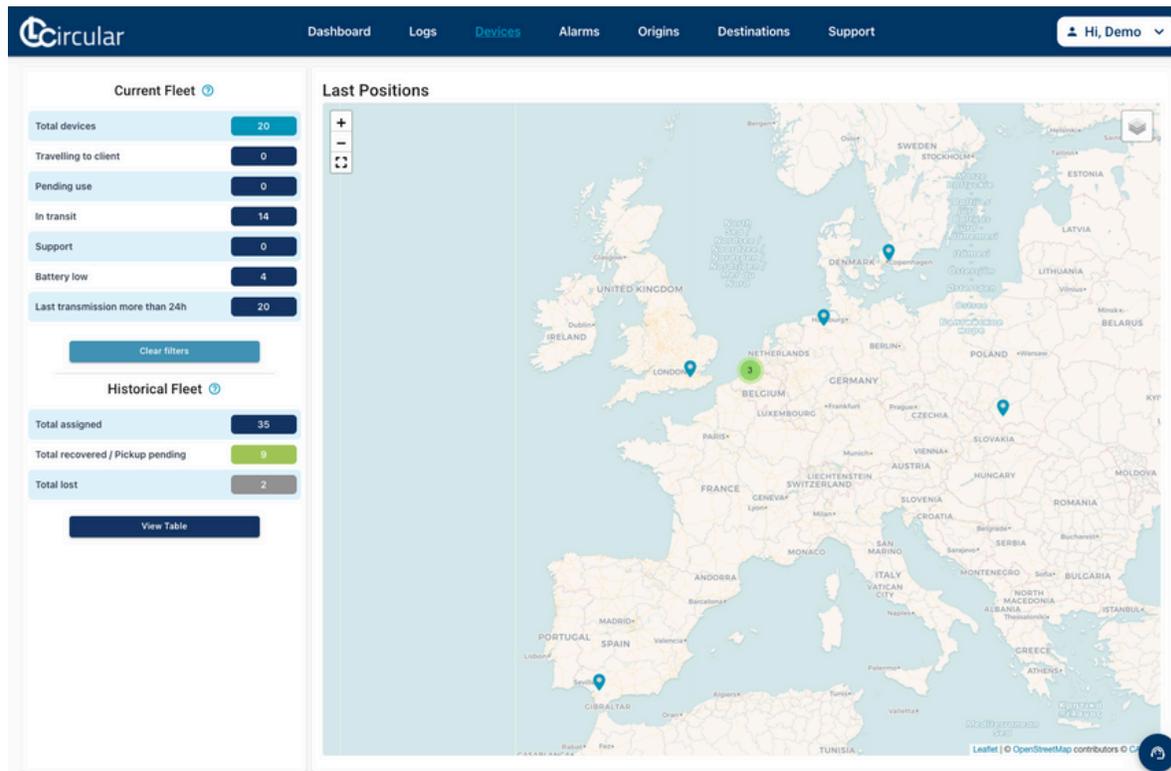
Multimedia Attachments

In the multimedia section, you can add attachments such as photos or relevant documents to the log:

1. **Upload Files:**

- Upload File:** Click "Upload File" to add an attachment to the log. This is useful to document the condition of the merchandise or any incident during transportation.

Part 4: Device Management Screen



Access to the Device Section

The Devices section in the CLCircular platform is essential for managing and tracking all the IoT devices you are using in your supply chain. You can access this section from the main menu at the top of the page by selecting "Devices."

Device Management Screen

The Devices screen provides a complete and detailed view of the status and location of all your devices. Each component and functionality is explained here:

1. Top Navigation Bar:

- **See List:** Click this button to see a detailed list of all devices. The list can be filtered according to different criteria to facilitate the search and management of specific devices.
- **Clear Filters:** This button allows you to eliminate any applied filter, showing all devices without restrictions.

2. Device Status (Top Left):

- **Assigned:** Shows the total number of devices that are currently assigned to a load or in use. By clicking this box, you will be directed to a list showing only the assigned devices.
 - **In Transit:** Indicates the number of devices that are currently in transit. These devices are monitoring loads that are being transported.
 - **Pickup Pending:** Shows the number of devices that are pending collection after completing their monitoring.
 - **Lost:** Indicates the number of devices that have been lost and not recovered.
 - **Pending Use:** Shows the number of devices that are available and ready to be assigned to new loads.
 - **Recovered:** Indicates the number of devices that have been recovered and are ready to be reused.
- 3. Assigned Devices Chart (Bottom Left):**
- **Bar Chart:** Shows a visual representation of the number of assigned and lost devices over time. You can select the year of interest from the drop-down menu.
 - **Assigned:** The green bars on the graph represent the number of assigned devices.
 - **Lost:** The red bars on the graph indicate the number of devices lost.
- 4. Latest Positions Map (Right):**
- **Real Time Viewing:** An interactive map shows the last known positions of the devices. The icons on the map represent the current location of each sensor.
 - **Location Details:** Clicking an icon on the map will display additional details about the device and its status.

Detailed Navigation and Management

Each of the status boxes (Assigned, In Transit, Pickup Pending, Lost, Pending Use, Recovered) is interactive. By clicking on any of these boxes, you will be directed to a filtered list of devices that correspond to the selected status. This makes it easy to manage and specifically track devices based on their status.

Detailed Device List:

- **Quick Access:** Use the buttons at the top to quickly switch between different device states.
- **Filtering and Search:** You can apply additional filters to find specific devices based on criteria such as device ID, battery status, location, etc.



Advanced Map Features

The interactive map in the Devices section not only shows the last position of each sensor, but also offers advanced functionalities for device management:

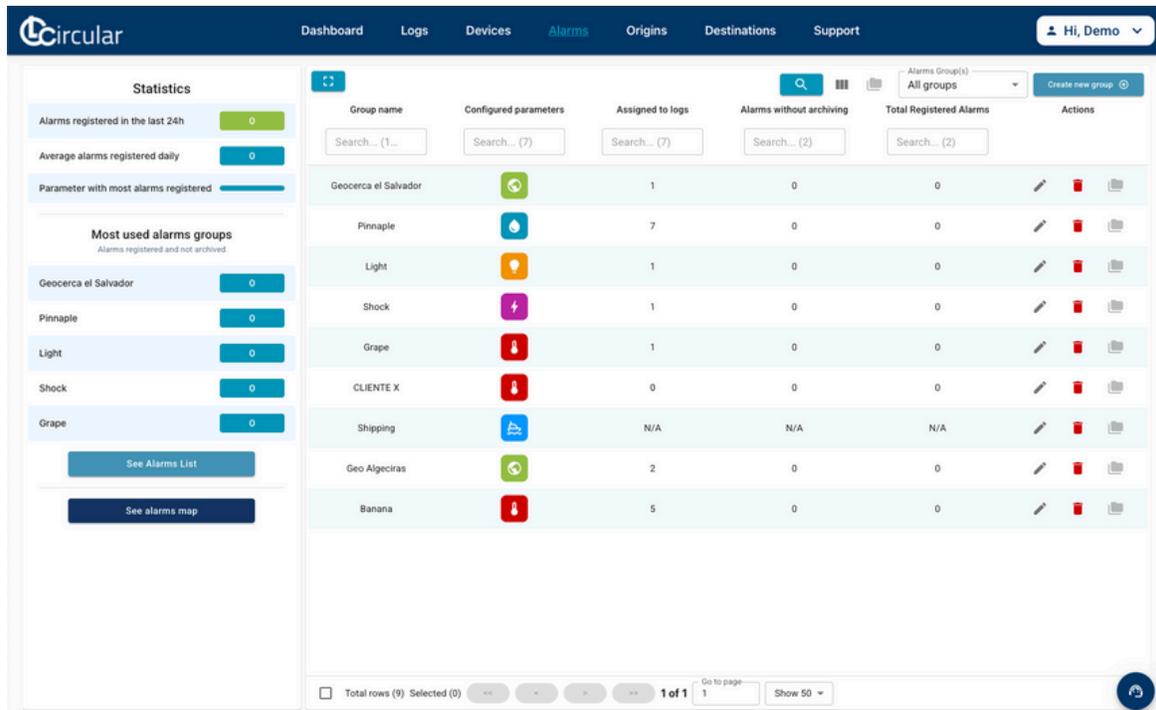
1. Zoom and Pan:

- **Zoom function:** Use the zoom tools to zoom in or out for a more detailed or general view of the map.
- **Displacement:** Navigate the map to view different regions and locate devices in various parts of the world.

2. Device Details:

- **Additional information:** Clicking on a device icon on the map will display a window with additional information about the device, including current status, last data transmission, and other relevant details.

Part 5: Alarm Management



Group name	Configured parameters	Assigned to logs	Alarms without archiving	Total Registered Alarms	Actions
Geocerca el Salvador		1	0	0	
Pinnacle		7	0	0	
Light		1	0	0	
Shock		1	0	0	
Grape		1	0	0	
CLIENTE X		0	0	0	
Shipping		N/A	N/A	N/A	
Geo Algeciras		2	0	0	
Banana		5	0	0	

Introduction to Alarms

Alarms are a crucial part of supply chain management, especially when it comes to perishable or environmentally sensitive products. Alarms allow users to receive real-time notifications about any deviation from set parameters, facilitating quick decision-making to mitigate risks and prevent losses.

Alarms on the CLCircular platform can be customized for each product, ensuring alerts are accurate and relevant. This customization is achieved by creating alarm groups that can be automatically assigned to logs depending on the type of product. Additionally, alarms can be configured to be emailed to specific users, ensuring the right people receive critical information when they need it most.

Access to the Alarm Section

To access the Alarms section on the CLCircular platform, select "Alarms" from the main menu at the top of the page. This action will take you to the alarm management screen.

Alarm Management Screen

The Alarms screen is designed to provide a complete view of all configured and logged alarms. Each component and functionality is explained here:

1. Top Navigation Bar:

- **Create New Group (Create New Group):** Click this button to create a new alarm group. This will allow you to define specific parameters and automatically assign alarms to logs depending on the product.

2. Alarm Overview (Top):

- **Alarms Recorded in the Last 24 Hours:** Shows the number of alarms that have been registered in the last 24 hours.
- **Average Daily Alarms Recorded:** Indicates the average number of alarms registered daily.
- **Parameter with Most Alarms Registered:** Identify which parameter has generated the most alarms.

3. Alarm Group List (Center Left):

- **Alarm Group Names:** A list showing all configured alarm groups.
- **Configured Parameters:** Icons that indicate the parameters that are being monitored in each alarm group (temperature, humidity, light, accelerometer, geolocation, low battery, and shipping company).
- **Assigned to Logs:** Shows how many logs are using that alarm group.
- **Alarms without Archive:** Indicates how many alarms have not yet been archived.
- **Total Alarms Recorded:** Shows the total number of alarms that have been logged for each group.

4. Map of Registered Alarms (Right):

- **Real Time Viewing:** An interactive map shows the positions where alarms have been recorded. This allows you to quickly see risk areas and make informed decisions.



Creation of Alarm Groups

To create a new alarm group, follow these steps:

1. Alarm Group Creation Form:

- **Group Name:** Enter a descriptive name for the alarm group.
- **Send Alerts by Email:** Enable this option to have alerts sent by email to the specified users.
- **Send Alerts Interval:** Select the time interval in which you want alerts to be sent (immediately, hourly, etc.).
- **Assign by Default to Logs:** Activate this option so that this group of alarms is automatically assigned to the logs.
- **Product (By Product):** If you select a product, the alarm group will only be assigned to the logs for that product.

2. Parameter Settings:

- **Temperature (Temperature):** Defines the lower and upper temperature limits, the threshold in minutes and the initial period without alarms.
- **Humidity (Humidity):** Sets the lower and upper humidity limits, the threshold in minutes and the initial alarm-free period.
- **Light:** Defines the upper light limit, the threshold in minutes and the initial period without alarms.
- **Temperature Probe:** Sets the lower and upper limits of the temperature probe, the threshold in minutes and the initial period without alarms.
- **Accelerometer (Accelerometer):** Defines the upper acceleration limit and the initial period without alarms.
- **Geoposition (Geoposition):** Configure the geolocation log inputs and outputs and the desired precision.
- **Low Battery (Battery Low):** Set alerts for when devices' batteries are low.

- Shipping Company (Shipping Company):** Sets alerts for changes in ETA (estimated time of arrival), ETD (estimated time of departure) and arrival at the destination port.
- 3. **Assignment of Alarms to Logs:**
 - Once all parameters have been defined, click "Create Alarm Group" to save the alarm group.
 - If you have selected "Assign by Default to Logs", this group of alarms will automatically be applied to the logs of the selected products.



Management of Existing Alarms

In the alarm group list, you can manage and adjust existing groups:

1. Editing Alarm Groups:

- Click the group name to open settings and make adjustments to parameters, assigned products, or users receiving alerts.

2. Alarm Viewing:

- Unarchived Alarms:** You can review and archive alarms that have not yet been managed.
- Total Alarms Recorded:** View the complete history of alarms recorded for each group.

Configuring Email Alerts

To ensure that the right people receive critical alerts, you can configure sending alerts by email:

1. Send Email Alerts:

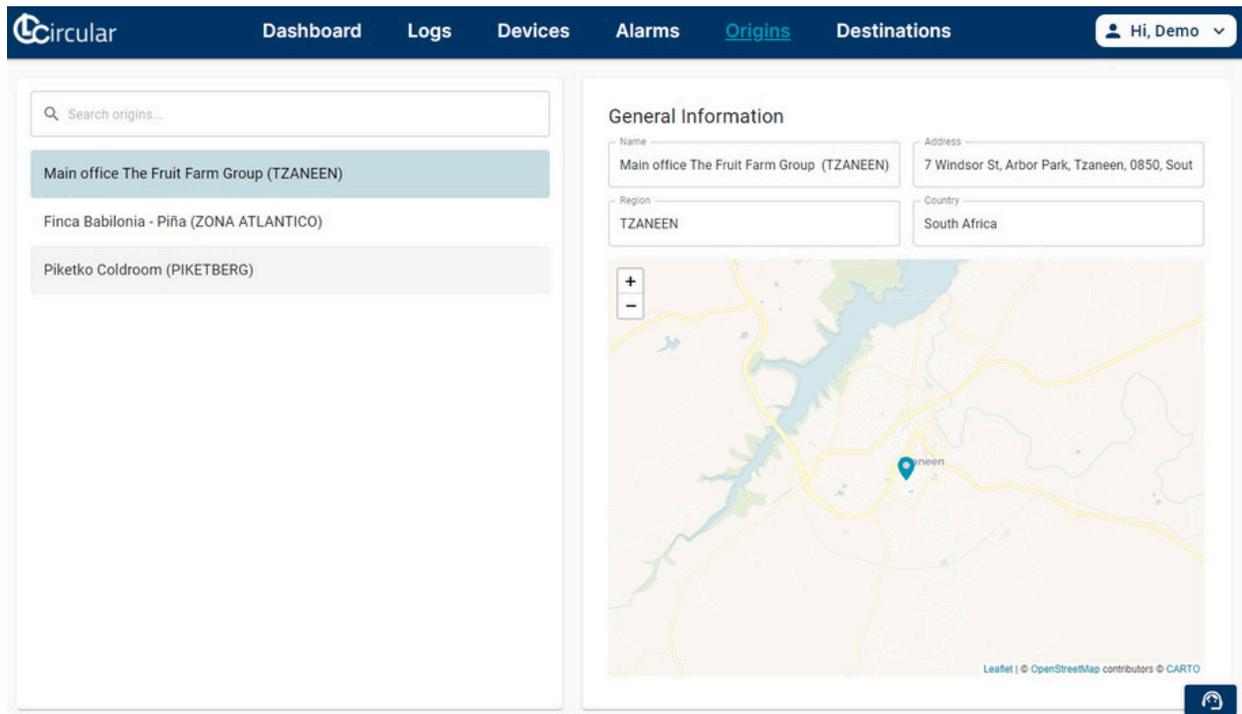
- Activate Sending Alerts by Email:** Activate this option in the alarm group creation or editing form.
- Select Users:** Specifies the users who should receive email alerts.

Summary and Conclusion

The Alarms section in the CLCircular platform offers detailed and personalized management of alerts, ensuring that users can respond quickly to any deviation from critical parameters. With the ability to create product-specific alarm groups, configure email alerts, and view alarm positions on a map, the platform provides all the tools needed to maintain an efficient and secure supply chain.



Part 6: Source Management



Introduction to Source Management

The management of points of origin is essential in the supply chain, since it allows detailed control and monitoring of where the journey of each load begins. On the CLCircular platform, you can manage the points of origin of your shipments, ensuring that every detail is recorded and accessible for efficient and accurate monitoring.

Access to the Origins Section

To access the Origins section on the CLCircular platform, select "Origins" from the main menu at the top of the page. This action will take you to the source management screen.

Source Management Screen

The Origins screen is designed to provide a complete and detailed view of all the origin points registered in your account. Each component and functionality is explained here:

1. Search Bar (Top Left):

- **Search Origins:** Use the search bar to find a specific source by entering its name, region or address. This functionality is useful for managing a large number of origin points.

2. Origin List (Left):

- **Names of Origins:** A list showing all registered origin points. Each entry includes the name and region of origin.
- **Origin Selection:** Click any entry in the list to view and edit the details for that specific source.

3. General Information of Origin (Center Right):

- **Origin Name (Name):** The full name of the origin point.
- **Region (Region):** The region where the origin is located.
- **Address:** The full address of the origin.
- **Country:** The country where the origin is located.
- **Interactive Map:** A map showing the exact location of the origin, allowing for precise geographic visualization.

Detailed Origin Management

Each point of origin can be managed individually to ensure that all relevant information is correctly recorded and updated.

1. Editing Information:

- **Update Details:** Click any information field (name, region, address, country) to update the origin details. This is useful for keeping information accurate and up to date at all times.
- **Interactive Map:** Use the map to verify the location of the source and ensure it is correctly geolocated.

Benefits of Source Management

1. Visibility and Control:

- Having a detailed and updated list of points of origin allows for better planning and management of shipments. You can ensure that each shipment starts from the right place and with the right information.

2. Traceability:

- Keeping accurate records of points of origin improves shipment traceability, which is crucial for regulatory compliance and quality management.

3. Operational Efficiency:



- With all points of origin registered and easily accessible, you can reduce the time and effort required to manage and plan shipments. This improves the operational efficiency of the supply chain.

Integration with Other Modules

Source information is integrated with other platform modules, such as Logs, Devices and Alarms, providing a holistic view of the supply chain. This allows all data to be connected and accessible from anywhere on the platform.

Assignment of Sources to Logs:

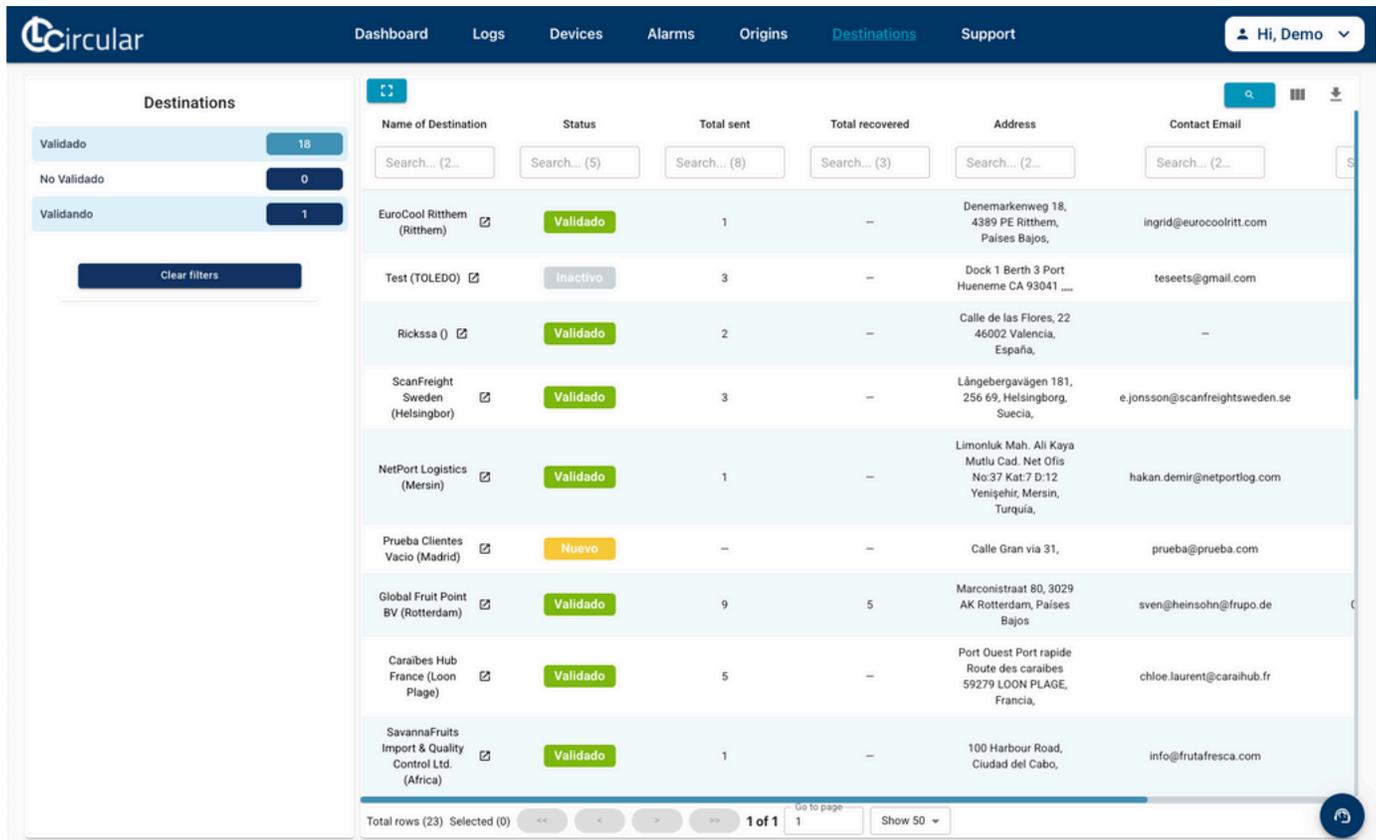
- When creating or editing a log, you can assign a specific origin, ensuring that shipping tracking and management is accurate from the start.

Summary and Conclusion

The Origins section in the CLCircular platform provides all the necessary tools for efficient and accurate management of points of origin in your supply chain. With detailed editing, advanced search, and geographic visualization capabilities, you can ensure every shipment is optimally managed from the start.

In the next installment, we will continue with the sections of **Destinations** and **User Configuration** to offer a complete guide on how to maximize the use of our platform and sensors.

Part 7: Destination Management



Name of Destination	Status	Total sent	Total recovered	Address	Contact Email
EuroCool Ritthem (Ritthem)	Validado	1	—	Denemarkenweg 18, 4389 PE Ritthem, Países Bajos,	ingrid@eurocoolritt.com
Test (TOLEDO)	Inactivo	3	—	Dock 1 Berth 3 Port Hueneme CA 93041	teseets@gmail.com
Rickssa ()	Validado	2	—	Calle de las Flores, 22 46002 Valencia, España,	—
ScanFreight Sweden (Helsingbor)	Validado	3	—	Långebergavägen 181, 256 69, Helsingborg, Suecia,	e.jonsson@scanfreightsweden.se
NetPort Logistics (Mersin)	Validado	1	—	Limonluk Mah. Ali Kaya Mutlu Cad. Net Ofis No:37 Kat:7 D:12 Yenişehir, Mersin, Turquía,	hakan.demir@netportlog.com
Prueba Clientes Vacio (Madrid)	Nuevo	—	—	Calle Gran via 31,	prueba@prueba.com
Global Fruit Point BV (Rotterdam)	Validado	9	5	Marconistraat 80, 3029 AK Rotterdam, Países Bajos	sven@heinsohn@frupo.de
Caraibes Hub France (Loon Plage)	Validado	5	—	Port Ouest Port rapide Route des caraibes 59279 LOON PLAGÉ, Francia,	chloe.laurent@caraihub.fr
SavannaFruits Import & Quality Control Ltd. (Africa)	Validado	1	—	100 Harbour Road, Ciudad del Cabo,	info@frutafresca.com

Introduction to Destination Management

Destination management is a fundamental component in the CLCircular platform, as it ensures that IoT devices are correctly recovered once shipments reach their final destination. It is crucial to correctly assign a destination to each device so that the CLCircular team can plan the recovery of the sensors and ensure that they are not lost. Additionally, destination validation ensures that destination locations are ready to receive and manage devices.

Access to the Destinations Section

To access the Destinations section on the CLCircular platform, select "Destinations" from the main menu at the top of the page. This will take you to the destination management screen, where you can view and manage all the destinations associated with your shipments.

Destination Management Screen

The Destinations screen is designed to provide a detailed and complete view of all registered destination points. Each component and functionality is explained here:

1. Destination Status Bar (Top Left):

- **Validated:** Destinations that the CLCircular team has already contacted and ensured that they are actively receiving devices.
- **Not Validated:** Destinations that have not been guaranteed to receive devices, so sensors cannot be sent to them.
- **Inactive (Inactive):** Destinations that are not currently being actively worked with.
- **Search Destinations:** Use the search bar to find a specific destination by entering its name or location.

2. Destination List (Left):

- **Names of Destinations:** A list showing all registered destination points. By clicking on any of these destinations, detailed information will be displayed.

3. General Destination Information (Center Right):

- **Company Name (Company):** Name of the company at the destination.
- **Contact Persona (Person of Contact):** Name of the contact person at the destination.
- **Contact Information:** Includes phone number, email address and physical address.
- **Interactive Map:** A map that shows the exact location of the destination, allowing for precise geographic visualization.

4. Destination Activity (Lower Center):

- **Devices Recovered at Destination (Total Recovered Devices):** Total number of devices that have been recovered to this destination.
- **Devices Sent to Destination (Total Devices Sent):** Total number of devices that have been sent to this destination.
- **Destination Activity (Destination Activity):**
 - **Logs in Progress with This Destination (Logs in Progress):** Number of logs that are currently in transit to this destination.
 - **Logs Cerca de Este Destino (Logs Close to Destination):** Number of logs that are close to reaching this destination.
 - **Logs en el Destino (Logs on Destination):** Number of logs that have already reached this destination.

Detailed Destination Management

Each destination can be managed individually to ensure that all relevant information is correctly recorded and updated.

1. Editing Information:

- **Update Details:** Click any information field (company name, contact person, address, country, region) to update the destination details.
- **Interactive Map:** Use the map to verify the location of the destination and make sure it is correctly geolocated.

2. Addition of New Destinations:

- **Add New Destination:** To add a new destination point, click the "Add New Destination" button and complete the necessary fields with the new destination information, including name, address, contact person and contact details.

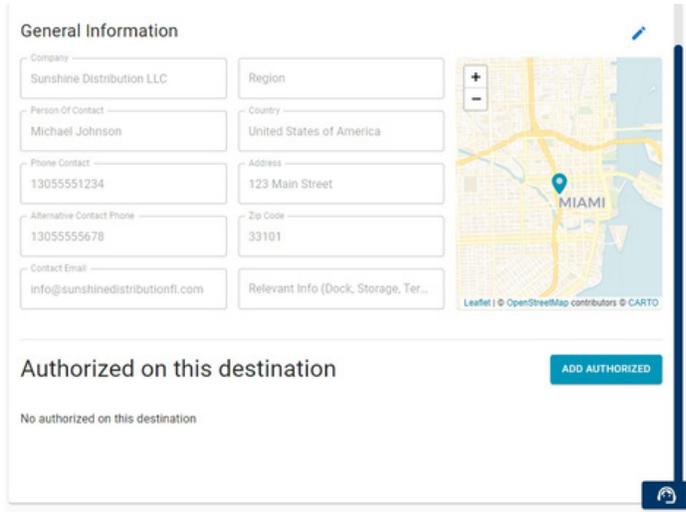
Destination Validation

It is essential to validate destinations before sending IoT devices to them to ensure they are ready to receive and manage sensors.

1. Validation Process:

- **Previous Contact:** The CLCircular team will contact the destination to confirm that they are ready to receive the devices.
- **Validation Status:** Validated destinations are clearly marked on the platform, letting users know that it is safe to send sensors to those locations.

Authorization of Users in Destinations



General Information

Company Sunshine Distribution LLC	Region
Person Of Contact Michael Johnson	Country United States of America
Phone Contact 13055551234	Address 123 Main Street
Alternative Contact Phone 1305555678	Zip Code 33101
Contact Email info@sunshinedistributionfi.com	Relevant Info (Dock, Storage, Ter...)

Map showing MIAMI location.

Authorized on this destination ADD AUTHORIZED

No authorized on this destination

The platform allows specific users to be authorized to access information for a particular destination, which is useful for managing customer or supplier access to specific data.

1. **User Authorization:**

- **Add Authorized User:** In the "Authorized on this destination" section, click "Add Authorized" to add a new authorized user. This ensures that only authorized people can access information on devices at that destination.
- **List of Authorized Users:** Shows all users who have permission to access information for that destination.

Benefits of Destination Management

1. **Efficient Device Recovery:**

- By correctly assigning a destination to each device, the CLCircular team can efficiently plan the recovery of the sensors, ensuring that they are not lost.

2. **Traceability and Control:**

- Maintaining an accurate record of destinations improves shipment traceability and ensures that all devices are managed efficiently from origin to final destination.

3. **Operational Efficiency:**

- With all destinations registered and easily accessible, the time and effort required to manage and plan shipments is reduced, improving the operational efficiency of the supply chain.

Summary and Conclusion

The Destinations section in the CLCircular platform provides all the necessary tools for efficient and accurate management of destination points in your supply chain. With detailed editing capabilities, destination validation, and user authorization, you can ensure that each shipment is optimally managed to the final destination.



Part 8: Settings Management

Introduction to Settings Management

The Settings section of the CLCircular platform allows users to configure and customize various aspects of the platform to suit the specific needs of their supply chain. This section is crucial to ensure that all parameters and configurations are aligned with your company's operations, allowing for efficient management and an optimized user experience.

In this tutorial, we will detail each section of the Settings section, providing a complete guide on how to configure and use these options effectively.

Access to the Settings Section

To access the Settings section on the CLCircular platform, select "Settings" or "Settings" from the main menu at the top of the page. This will take you to the settings management screen, where you can view and configure all available parameters.

Settings Management Screen

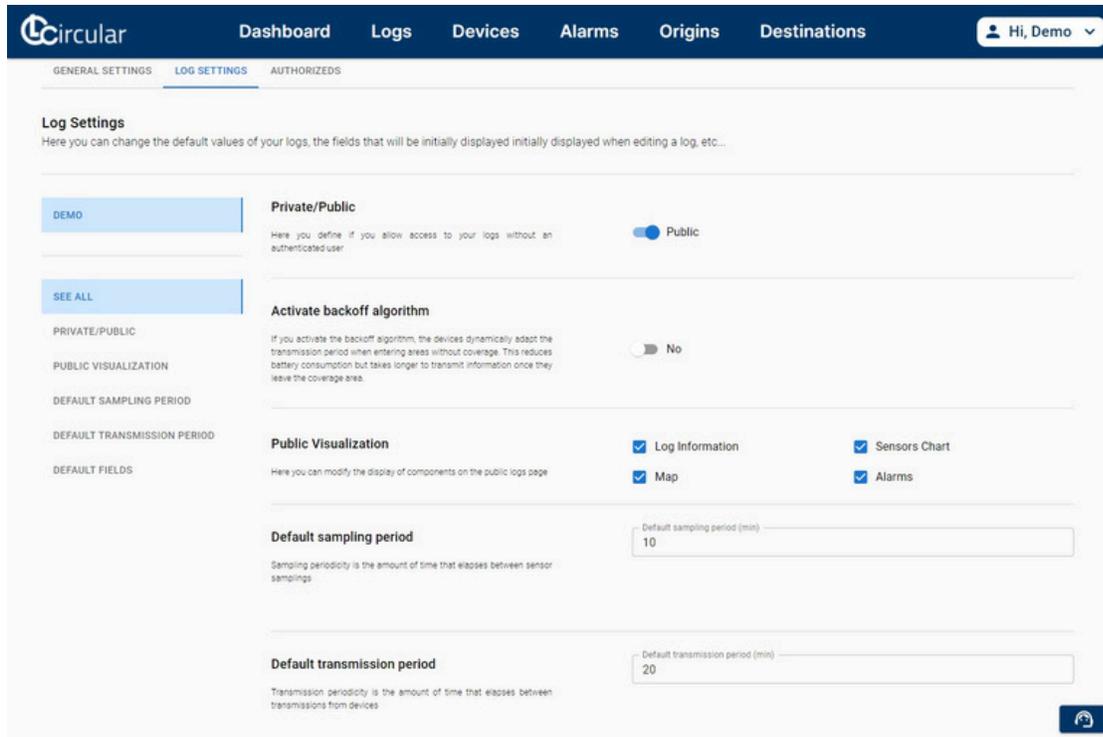
The Settings screen is divided into three main subsections: **General Settings**, **Log Settings** and **Authorized**. Each component and functionality of these subsections is explained below:

General Settings

1. **Company Information (Company Information):**
 - Company:** Company name.
 - Company Email:** Company email.
 - Company Phone:** Company telephone number.
 - Company Address:** Company address.
 - Company Country:** Company country.
2. **User Information (User Information):**
 - Email:** User email.
 - Type of User:** User type (for example, Customer).
3. **Measurement Units (Measuring Unit):**
 - Temperature:** Selection of the unit of measurement for temperature (Celsius °C or Fahrenheit °F).
4. **Username (Username):**
 - Name:** User name.
 - Last Name:** User's last name.
5. **Password:**
 - CurrentPassword:** User's current password.
 - Password:** New password.
 - ConfirmPassword:** Confirmation of the new password.
6. **Save Changes:**
 - Buttonsto save changes made in each section.



Log Settings



1. Log Privacy (Private/Public):

- Public:** Defines whether the logs are public or require authentication to be accessible.

2. Algoritmo de Backoff (Activate Backoff Algorithm):

- Yes/No:** Allows you to activate or deactivate the backoff algorithm, which dynamically adapts the transmission period in areas without coverage to reduce battery consumption.

3. Public Visualization:

- Options:** Allows you to select which components (log information, sensor graph, map, alarms) will be visible on the public logs page.

4. Default Sampling Period:

- Period (minutes):** Defines the default sampling periodicity (the time that elapses between each sensor sampling).

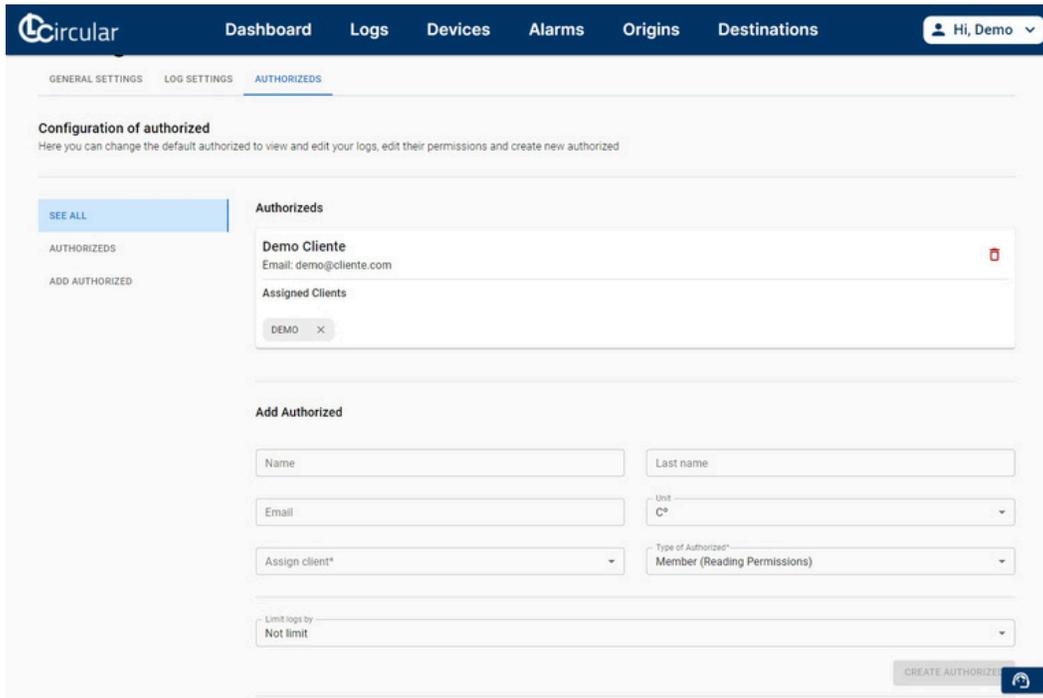
5. Default Transmission Period:

- Period (minutes):** Defines the default transmission frequency (the time between each data transmission from the devices).

6. Default Fields:

- **Fields:** Selection of default fields to be included in each log, such as reference, loading date, ETA (estimated time of arrival), departure date, ship name, product, pallet, container number, port of arrival.
7. **Save Changes:**
- Button to save the changes made in this section.

Authorized



1. **Configuration of Authorizeds:**
 - **Authorized List:** Shows current authorized users with their contact information.
 - **Add New Authorized (Add Authorized):**
 - **Name:** Name of the new authorized user.
 - **Last Name:** Last name of the new authorized user.
 - **Email:** Email of the new authorized user.
 - **Assign Client:** Assign client to authorized user.
 - **Type of Authorized:** Authorization type (for example, Member with read permissions).
 - **Limit Logs by:** Limit access to logs by time (optional).
2. **Creation of New Authorized Persons:**



- **Create Authorized button:** Allows you to add a new authorized user with the details provided.

Summary and Conclusion

The Settings section in the CLCircular platform provides all the necessary tools to customize and optimize the platform according to the specific needs of your company. With detailed options for managing company and user information, log configurations, and user authorization, you can ensure the platform operates efficiently and securely.

Support and Contact:

Throughout this manual, we have explored in detail all the functionalities and tools that the CLCircular platform offers for efficient and sustainable supply chain management. From initial access to advanced settings, each section is designed to provide users with a comprehensive, customizable experience that fits their specific needs.

The CLCircular platform is designed to be flexible, adaptive and focused on sustainability. The customization capability in each section allows users to align the platform with their specific processes, thereby improving operational efficiency and ensuring constant and accurate monitoring of the supply chain.

If at any time you need additional assistance or have questions about using the platform, please do not hesitate to contact our support team. We are here to help you make the most of our technology and ensure the success of your operation.

Contact Information:

Support Email: support@clcircular.com