



Mahlkönig Sync

Desktop Application

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Pre-Requisites!

To be able to onboard a GbS grinder
you need a GbS grinder



Users not having a GbS grinder will only see part
of the functionality in the apps. The apps are centered around
monitoring statistics, telemetry, and more on the devices



To be able to Sync a GbS to a La Marzocco machine,
you need a La Marzocco Coffee Machine with ABR system



You also need the La Marzocco app and you need to
make sure that the La Marzocco machine is already onboarded
according to La Marzocco's own onboarding instructions.



The grinder uses the modern 5Ghz Wifi protocol and will ONLY
capture 5Ghz. Old 2.4Ghz networks are not supported.

Customer Roles

Company Manager: The person with overall responsibility of assets across a company

- Can invite and edit regional managers, store managers, baristas
- Can onboard edit devices across the company
- Can define company regions and stores

•

Regional Manager: The person with oversight across a specific region

- Can invite and edit store managers, baristas
- Can onboard edit devices across the region of responsibility
- Can define stores

•

Store Manager: The person responsible for a given store

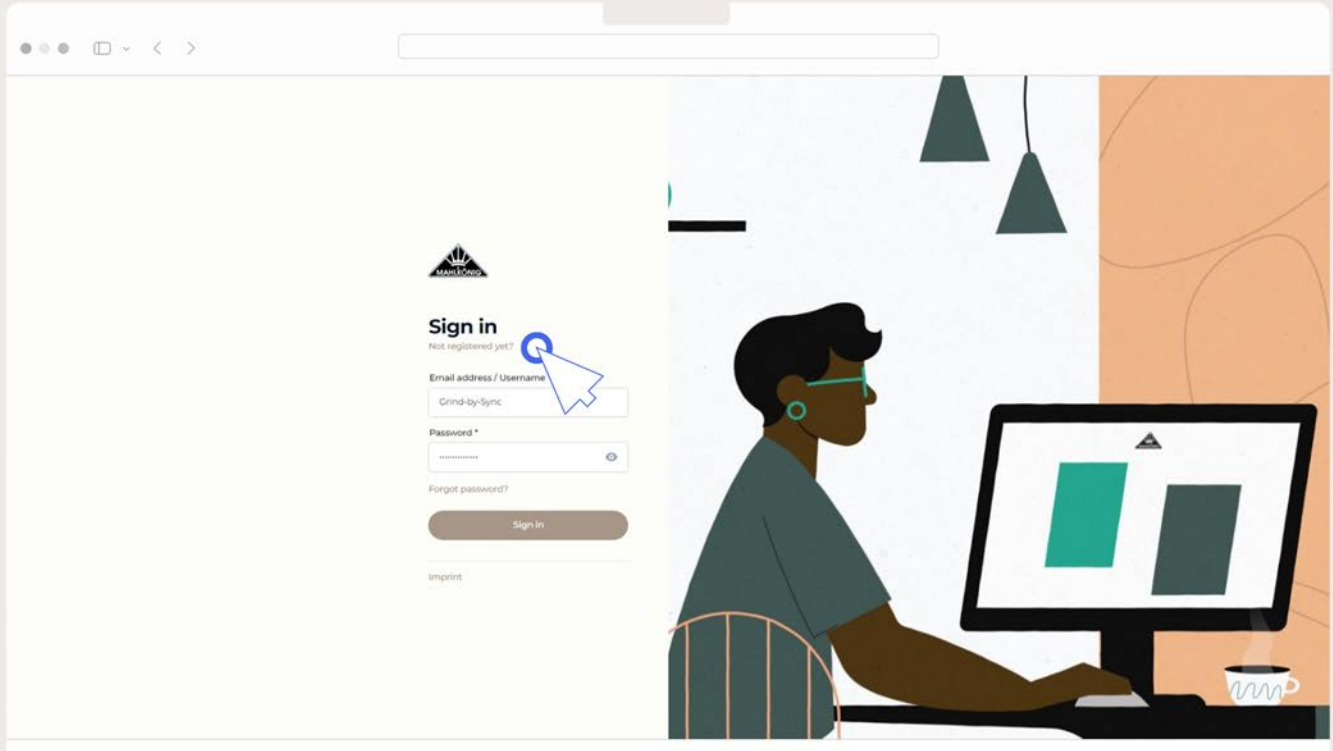
- Can invite and edit baristas
- Can onboard edit devices for her/his store

•

Barista: The person usually operating the equipment

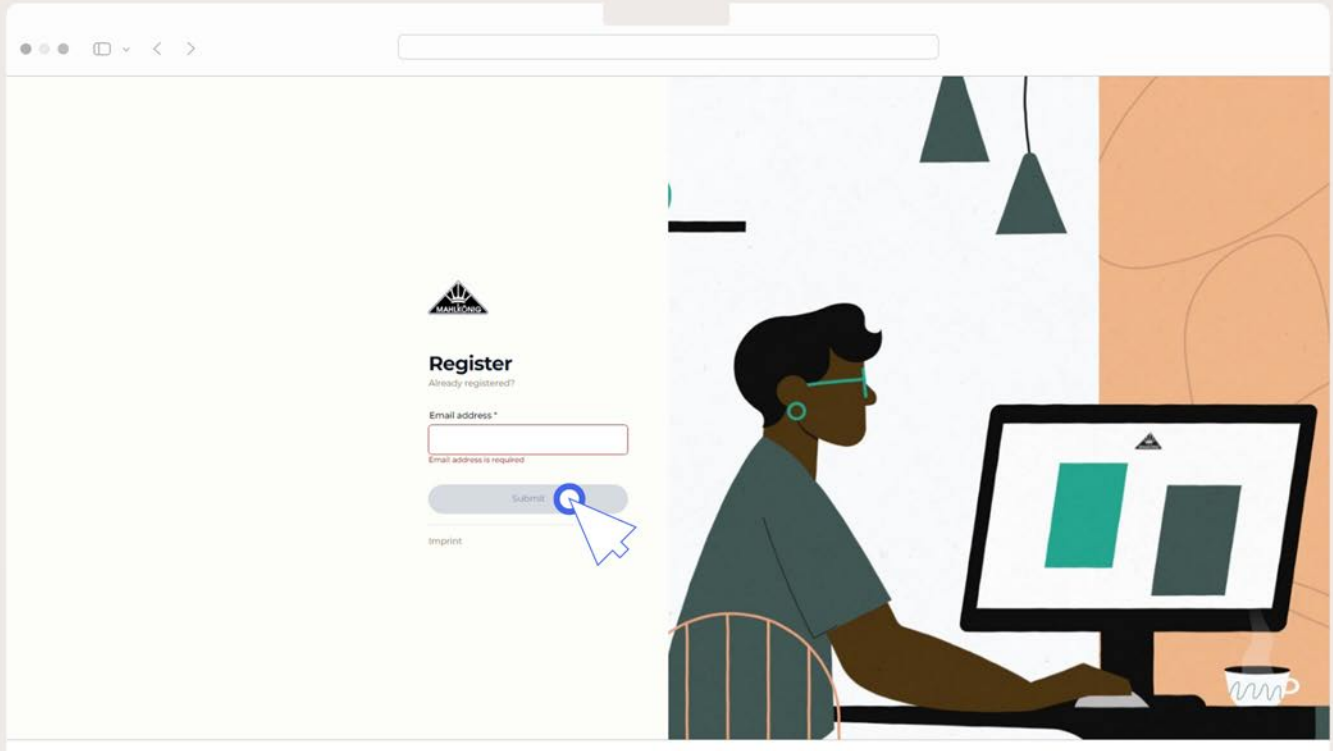
- Can view data for the defined store

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User Registration & Profile

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User Registration & Profile

The screenshot displays the Mahlkönig Sync desktop application interface. At the top, there is a navigation bar with icons for Analysis, Companies, Regions, Stores, Users, and Devices. The main content area is titled "Overview of grinding events" and includes filters for "This month", "All Companies", "All Regions", "All Stores", and "All Devices". A user profile dropdown menu is visible in the top right corner, showing the user is signed in as "One Hemmo" and has options for "Profile" and "Logout".

On the left side, there is a "Dashboards" section with a list of dashboard options:

- Overview of grinding events
- Overview of CDS brewing events
- Recipe distribution trends
- Coffee consumption distribution trends
- Recipe monitoring & control
- Grinder monitoring & control
- Grinder population info

The main dashboard area contains two charts:

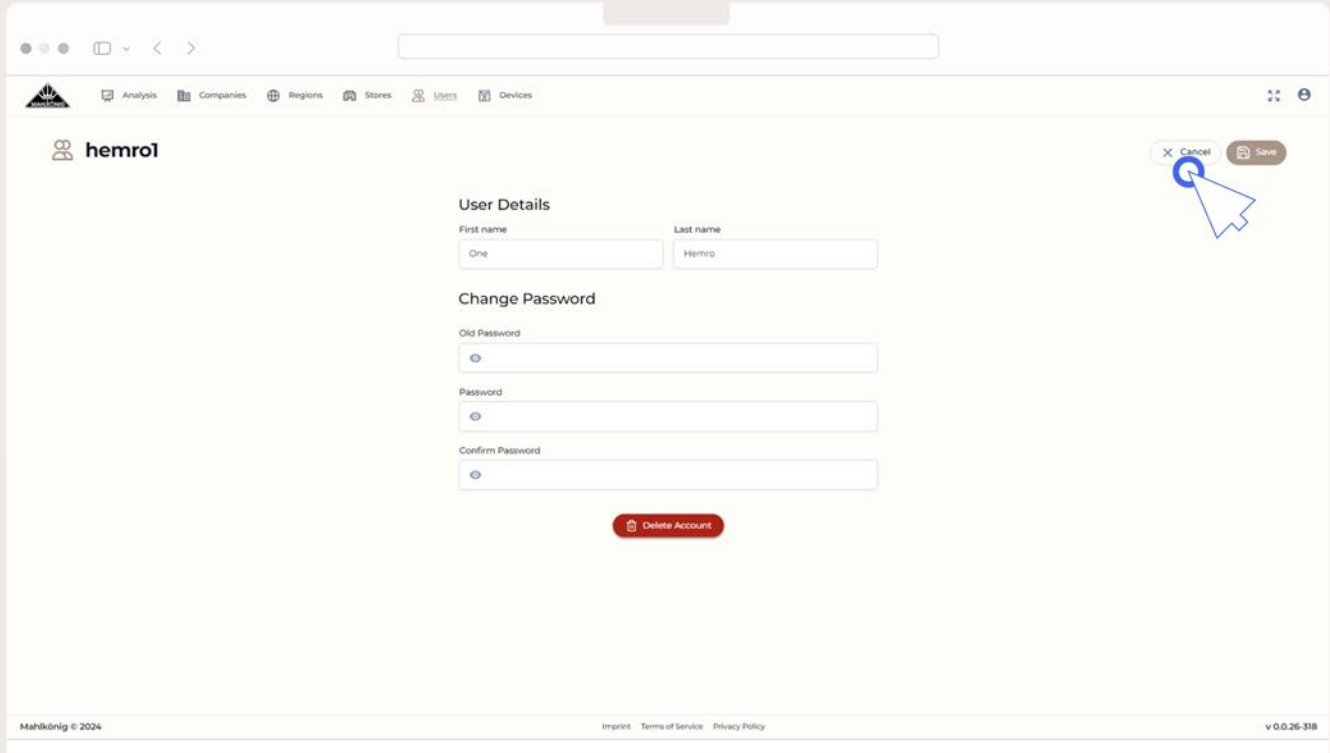
- Distribution of grind events by location or device:** A bar chart showing the number of grind events for different locations. The y-axis ranges from 0 to 2k. The x-axis categories are Field Test AU, Field Test US..., Field Test US..., R&D Herono, and R&D Urstatron... The highest bar is for Field Test US... with approximately 1.5k events.
- Distribution of grind events along the day:** A line chart showing the number of grind events over a 24-hour period. The y-axis ranges from 0 to 300. The x-axis shows time from 00:00 to 23:00. The chart shows a significant peak between 12:00 and 18:00, reaching approximately 200 events.

Below the charts, there are two placeholder boxes with the text "Customization of dashboards will be available soon." and a small icon of a document with a pencil.

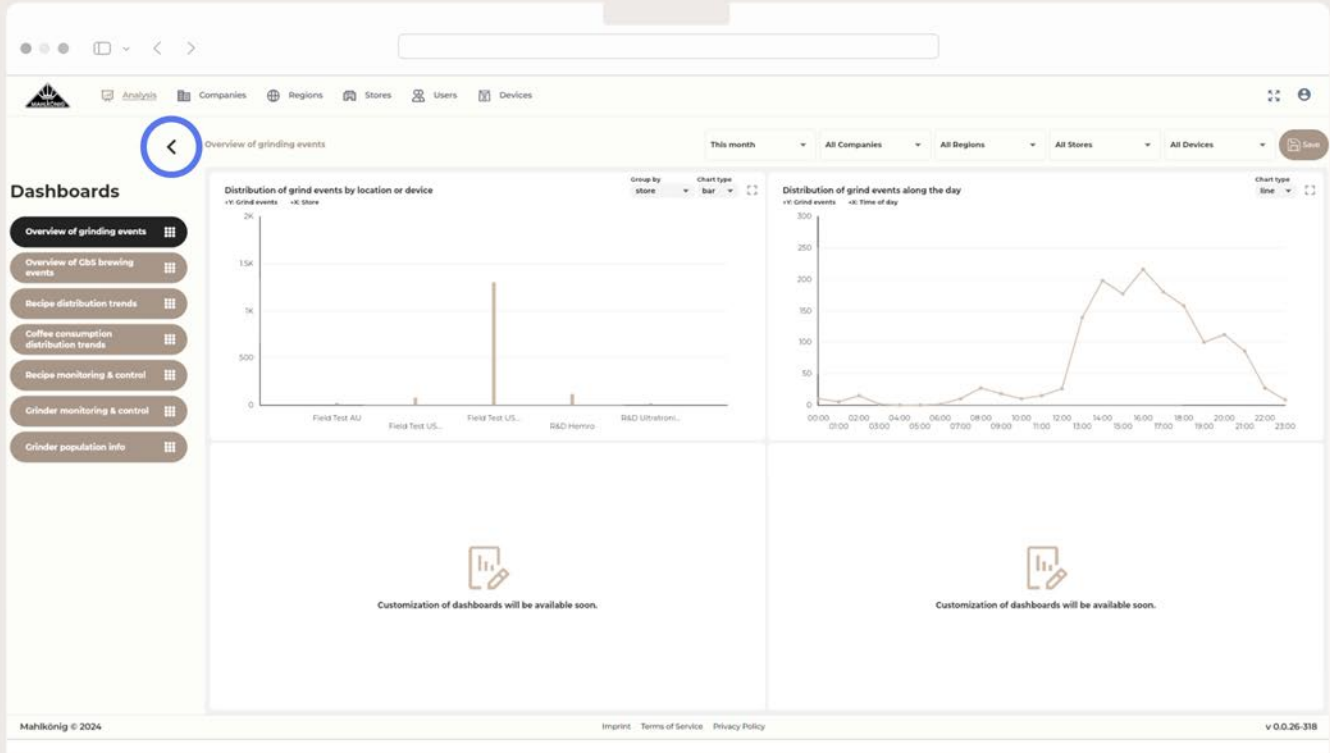
At the bottom of the application, there is a footer with the text "Mahlkönig © 2024", "Imprint Terms of Service Privacy Policy", and "v 0.0.26-318".

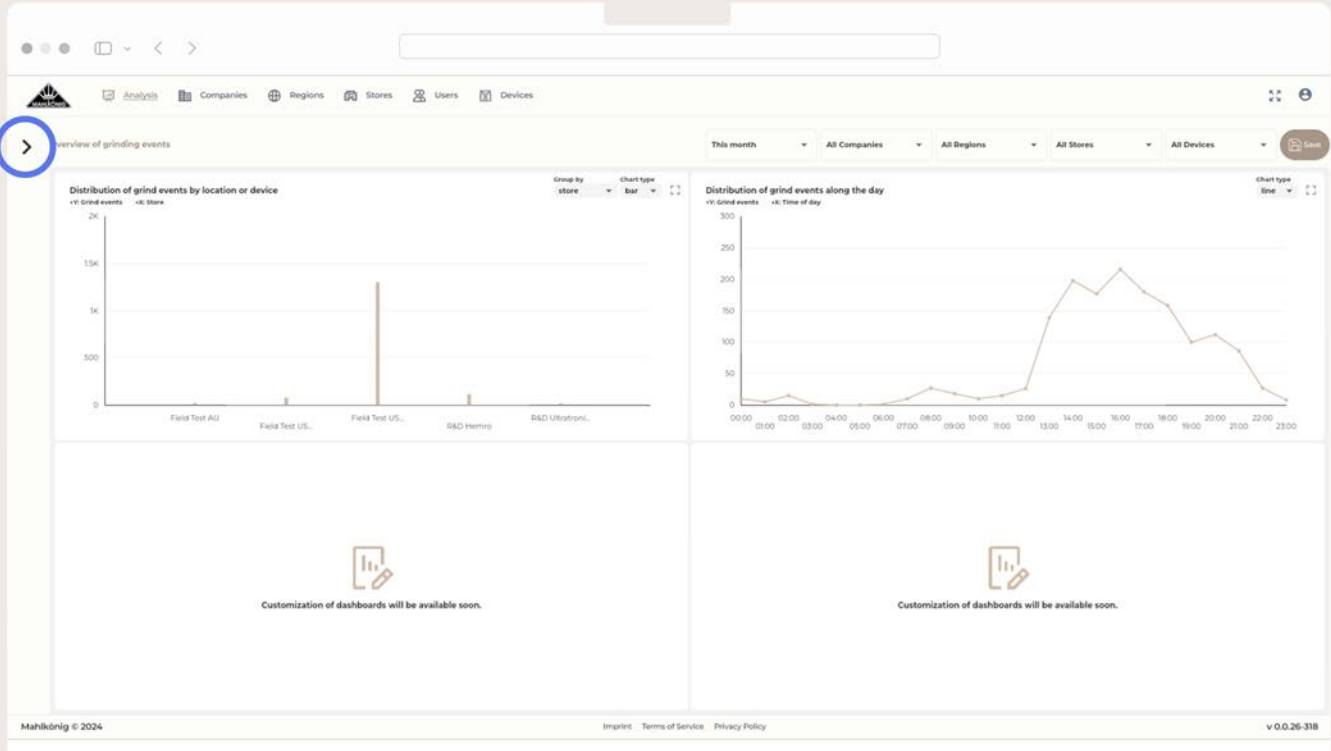
User Registration & Profile

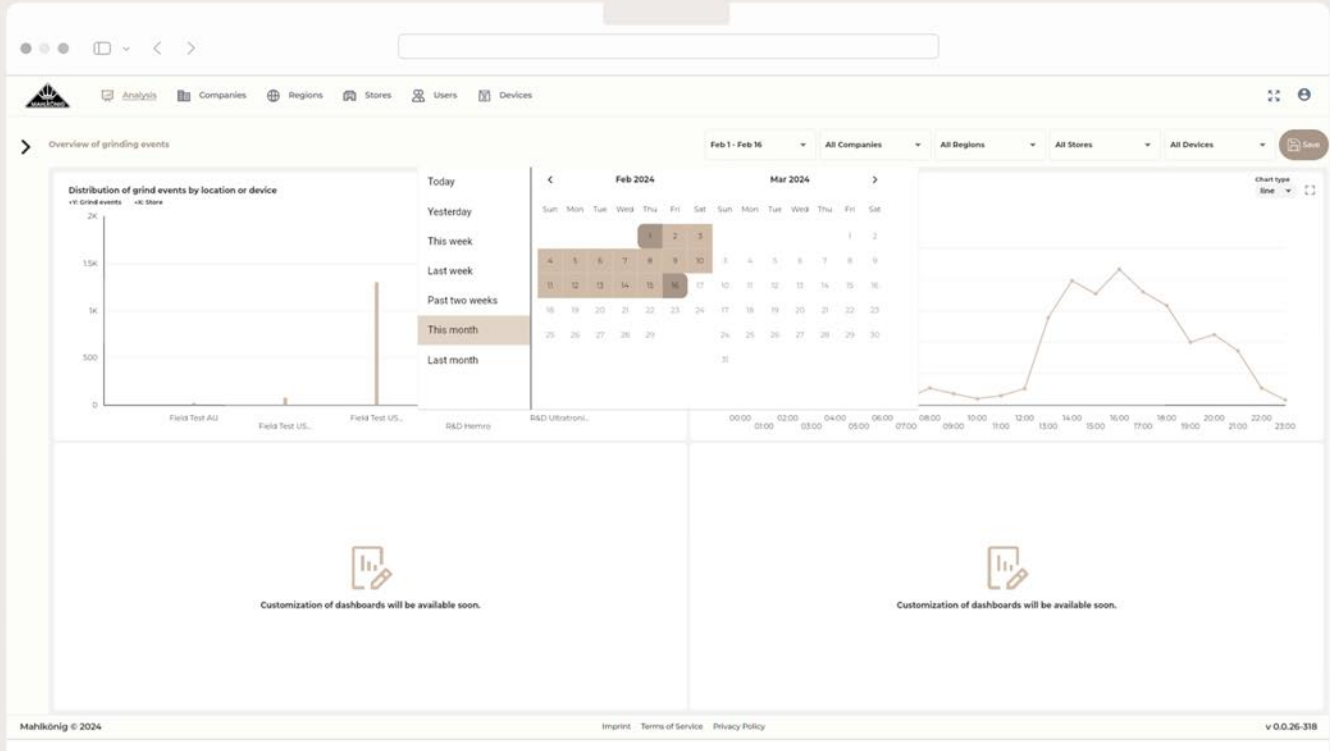
//

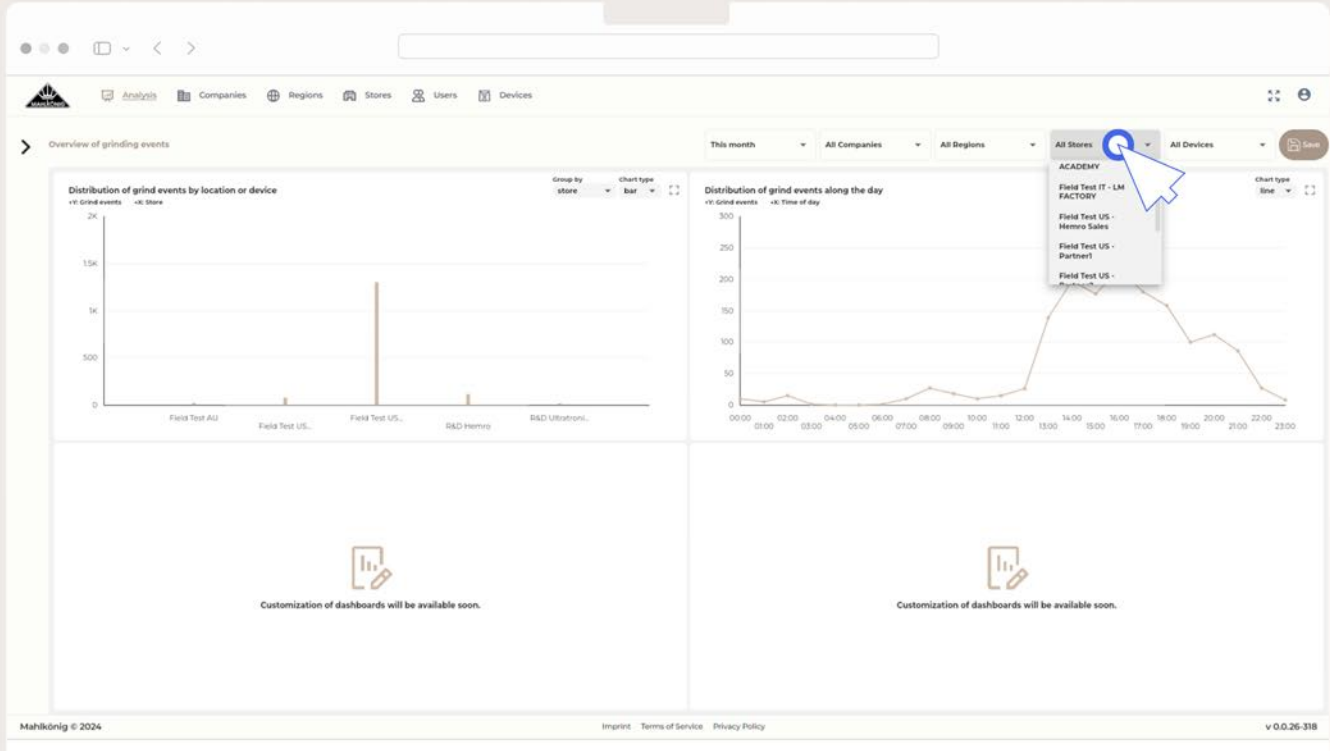


User Registration & Profile









Overview of grinding events

This month | All Companies | All Regions | All Stores | All Devices

Dashboards

- Overview of grinding events
- Overview of CDS brewing events
- Recipe distribution trends
- Coffee consumption distribution trends
- Recipe monitoring & control
- Grinder monitoring & control
- Grinder population info

Distribution of grind events by location or device
y-axis: # of grind events (0 to 2k)
x-axis: Field Test AU, Field Test US..., Field Test US..., R&D Havana, R&D Urubatrón...

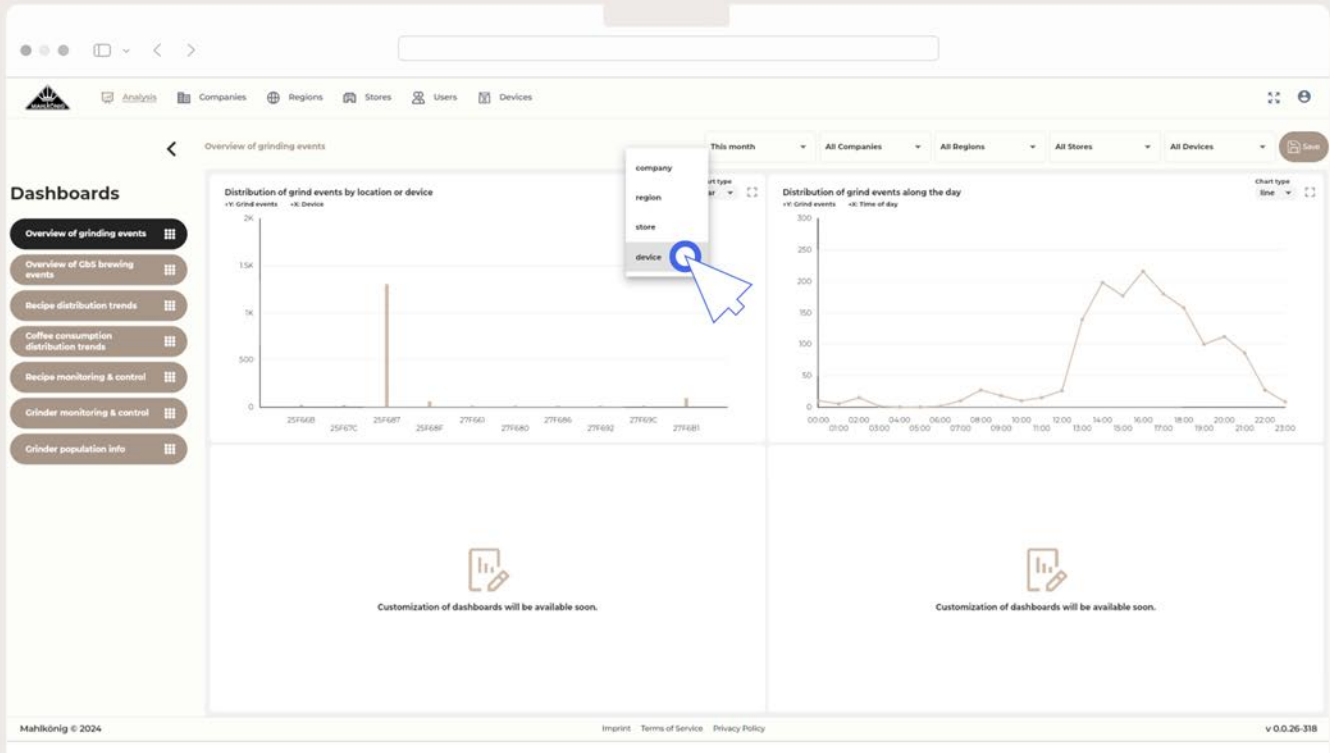
Distribution of grind events along the day
y-axis: # of grind events (0 to 300)
x-axis: Time of day (00:00 to 23:00)

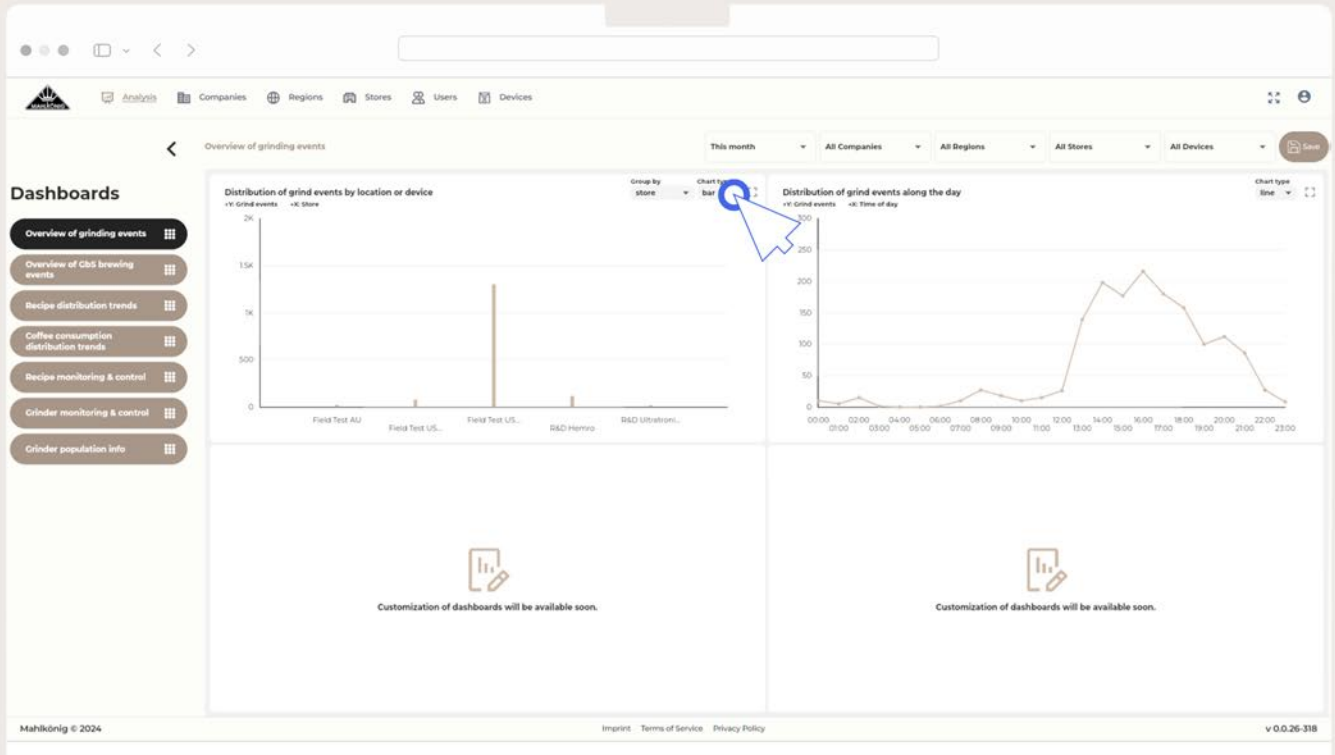
Group by: store | Chart type: bar

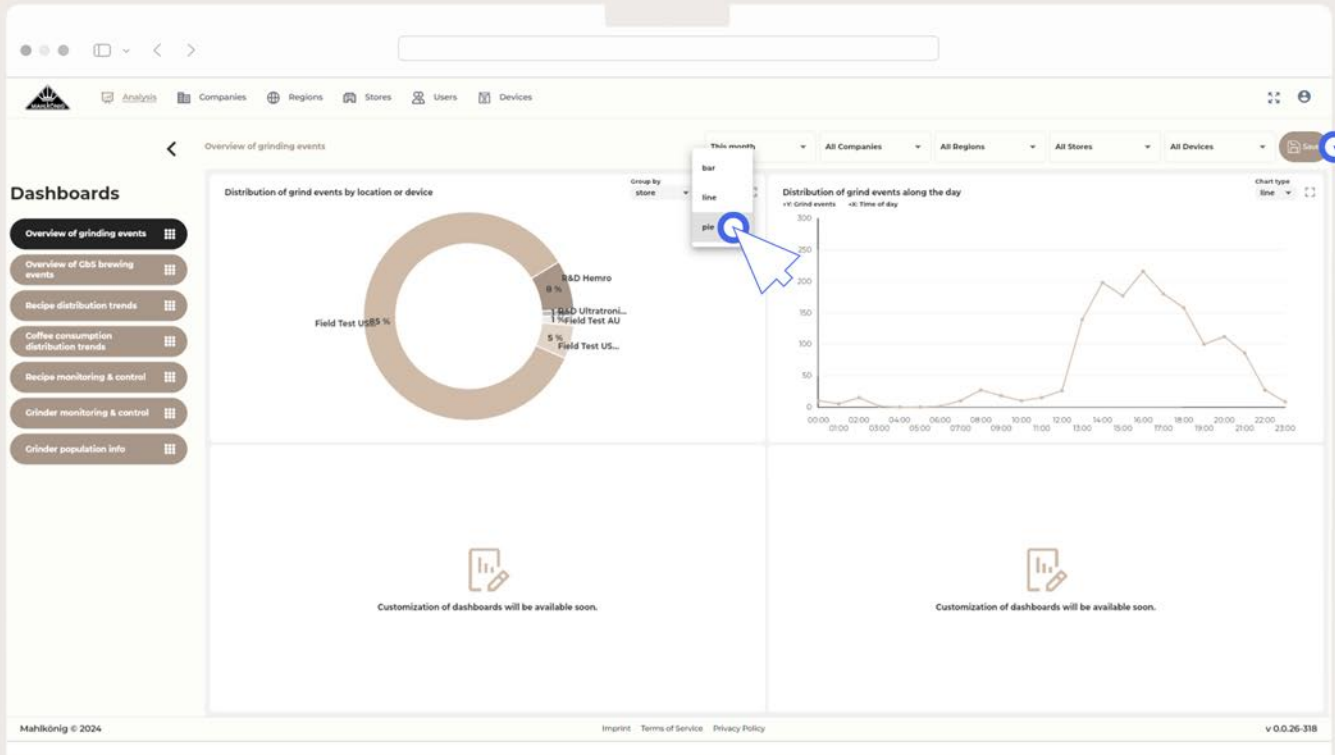
Customization of dashboards will be available soon.

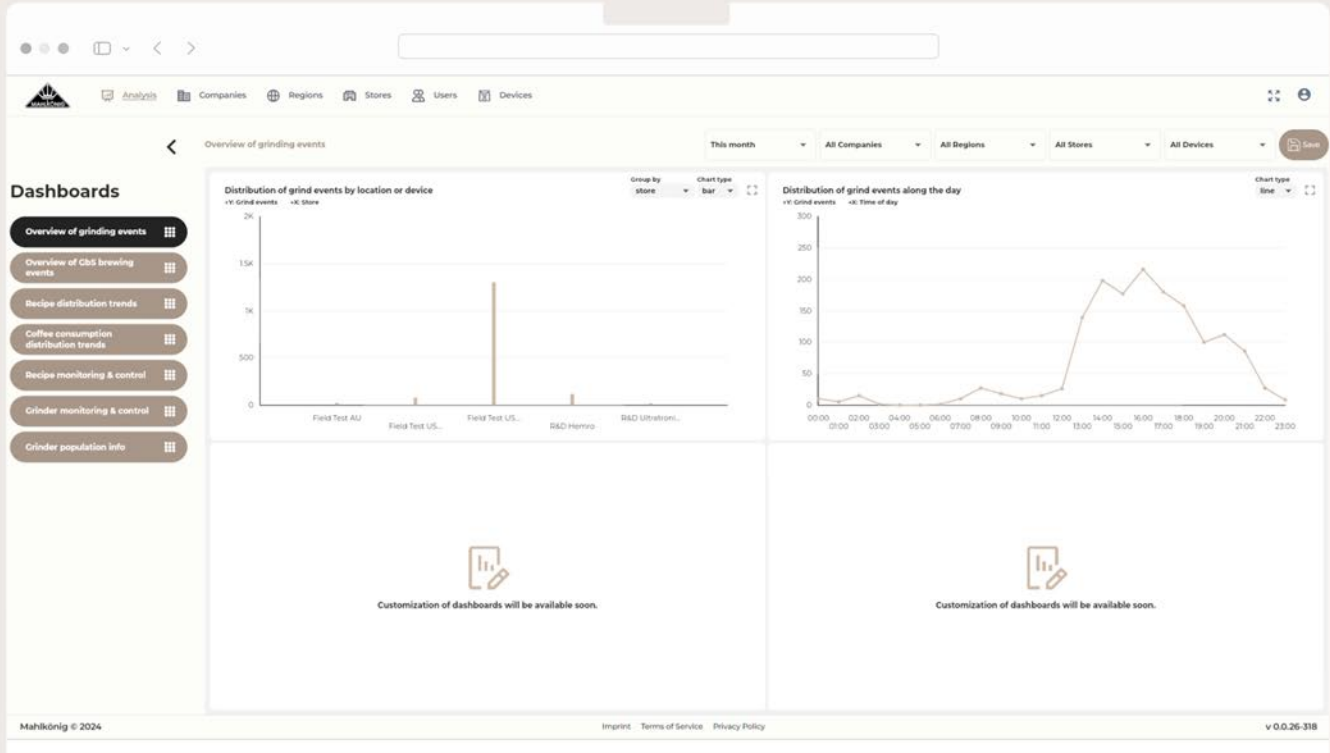
Customization of dashboards will be available soon.

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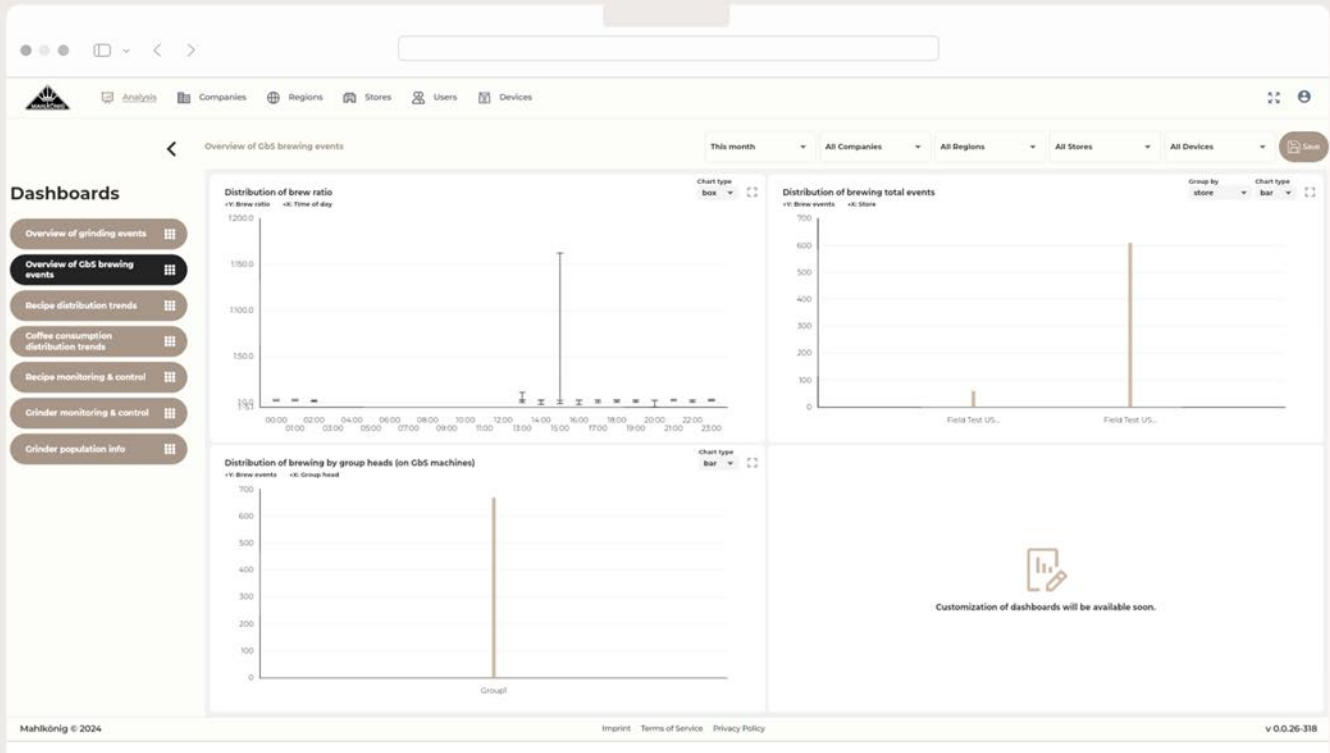


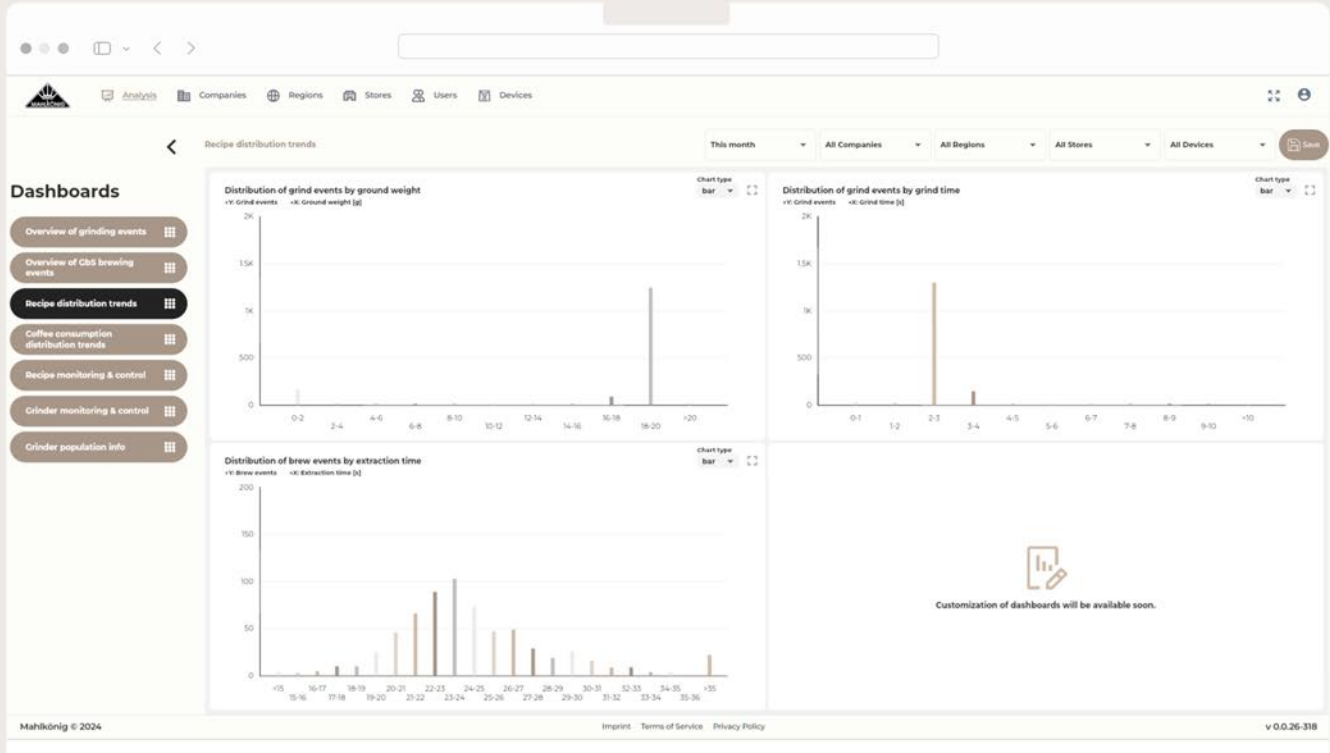


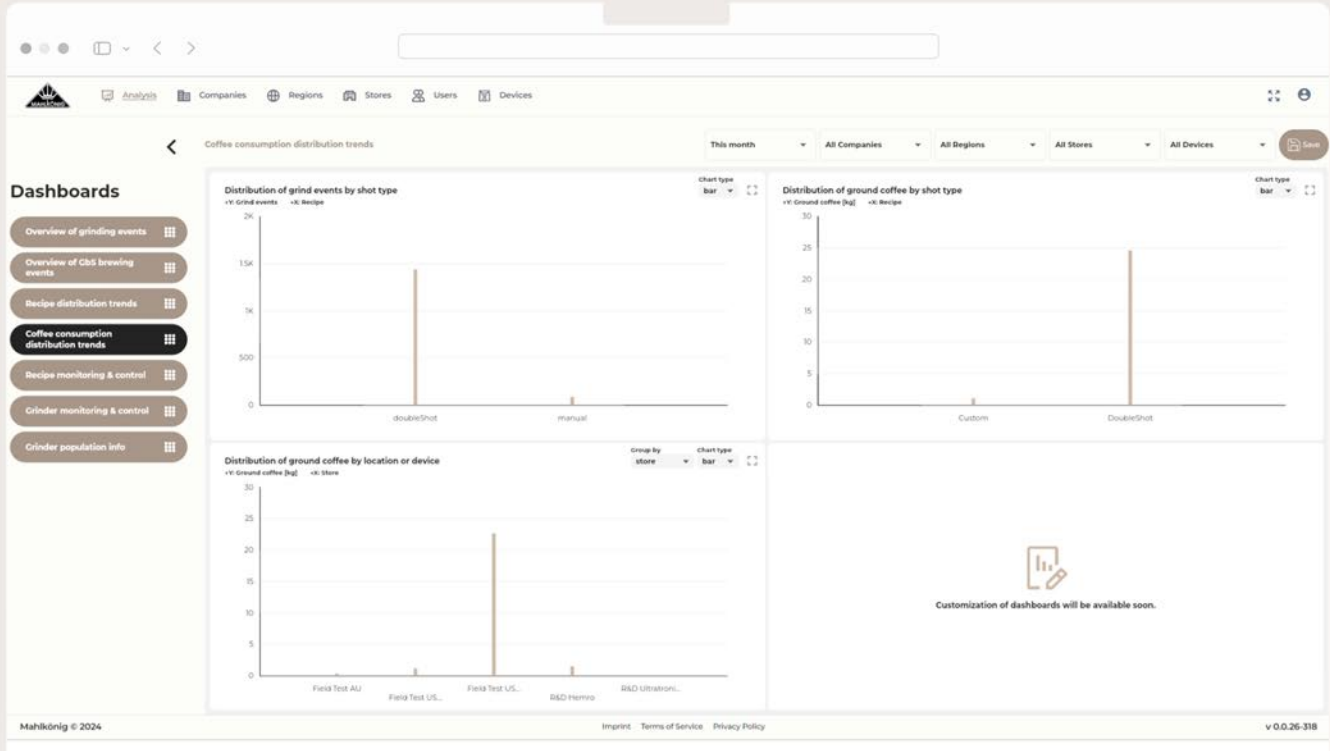


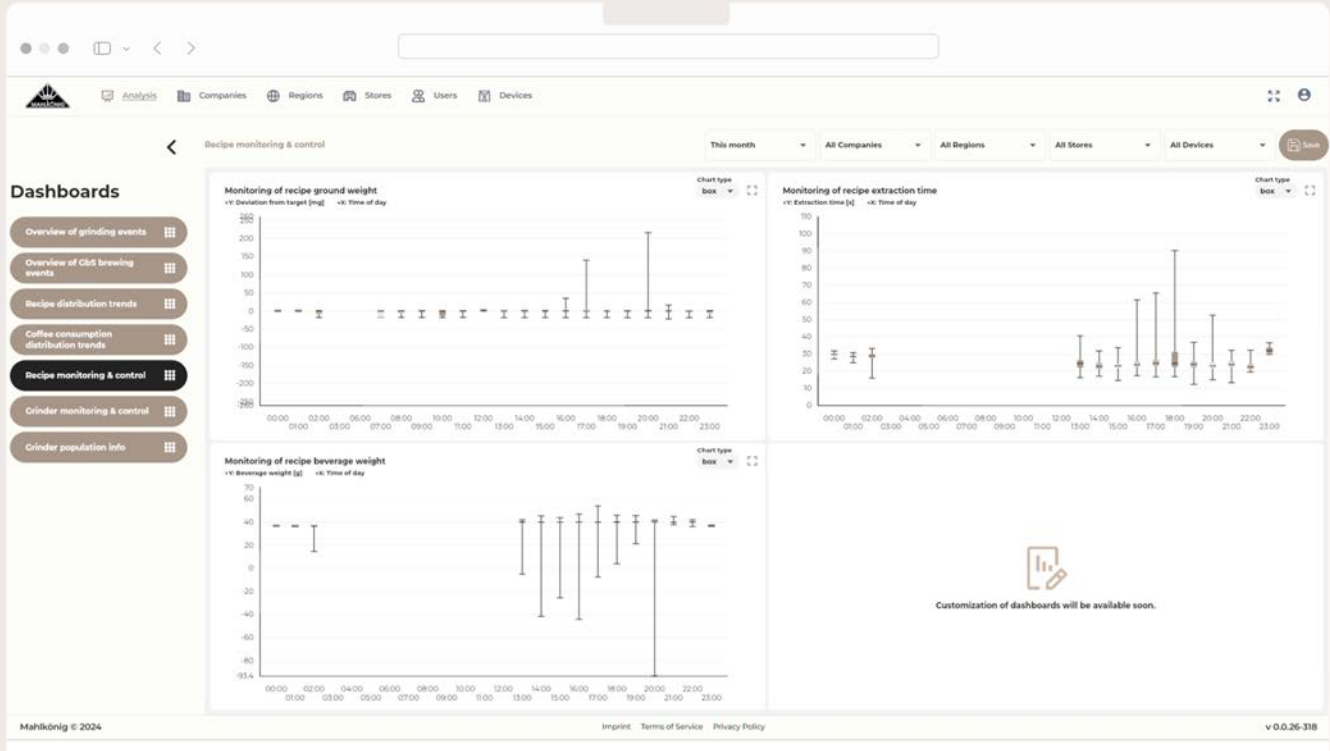


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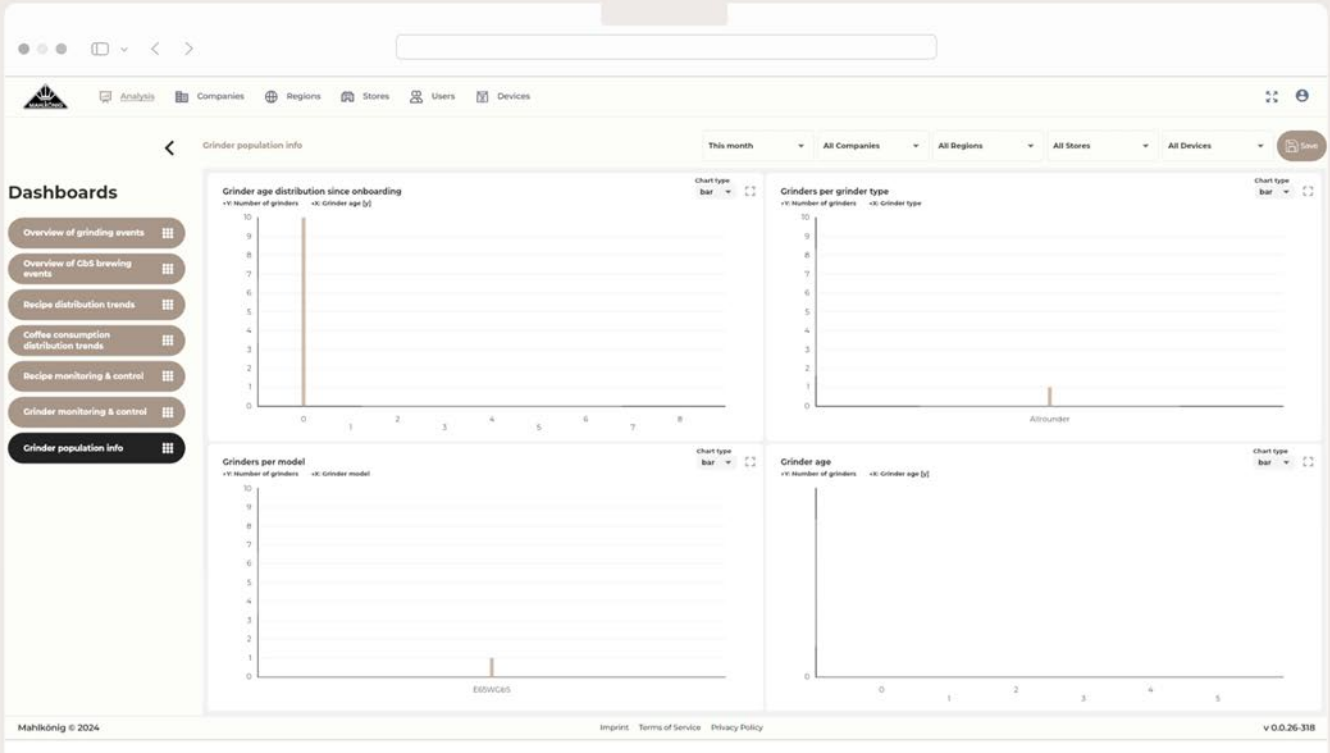




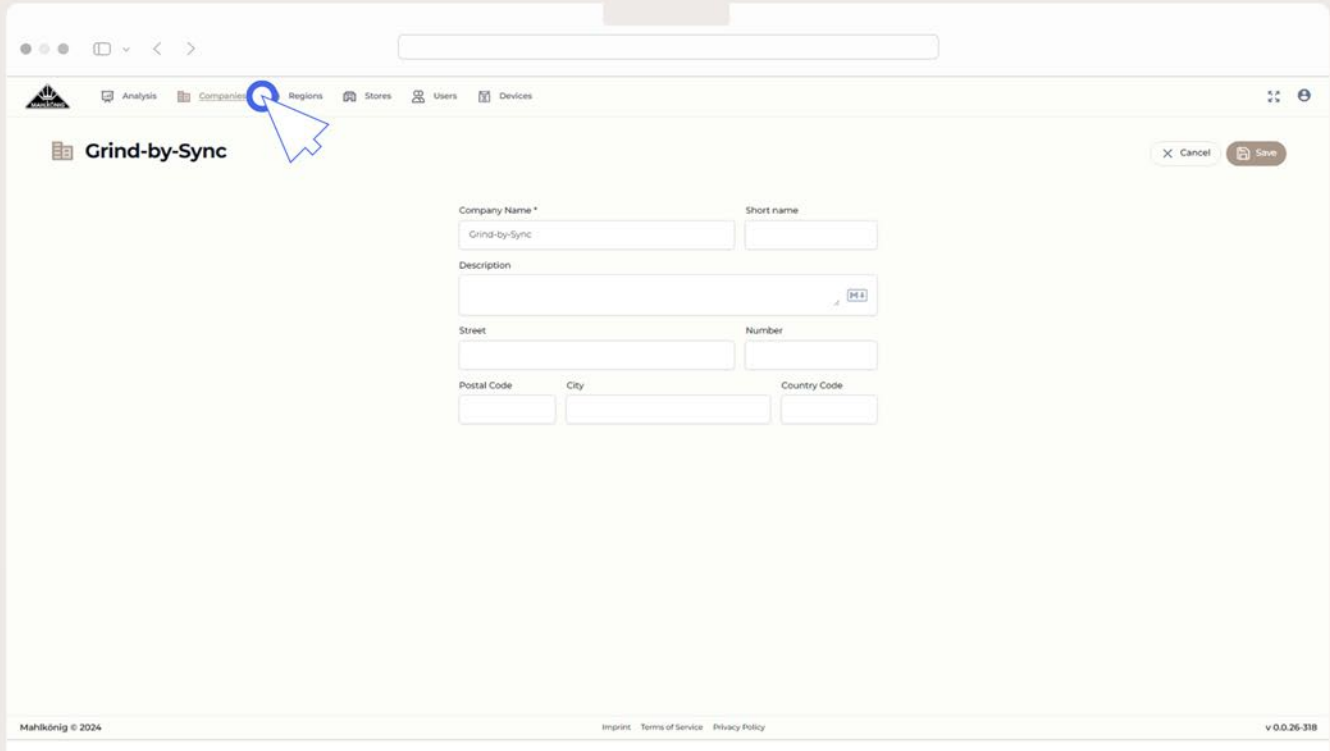
The screenshot displays the 'Grinder monitoring & control' dashboard. The sidebar on the left lists various dashboards, with 'Grinder monitoring & control' selected. The main content area features four charts and a message:

- Monitoring of grinders per firmware version:** A bar chart showing the number of grinders for different firmware versions. The x-axis labels are 113.977, 112.15, 113.995, and 1.9.941. The y-axis ranges from 0 to 10.
- Monitoring of burr utilization across grinders:** A bar chart showing burr utilization across grinders. The x-axis label is 0-20. The y-axis ranges from 0 to 10.
- Monitoring of burr life across grinders:** A bar chart showing burr life across grinders. The x-axis label is 0-20. The y-axis ranges from 0 to 10.
- Customization of dashboards will be available soon.** A message with a pencil icon indicating that dashboard customization is not yet available.

At the bottom of the dashboard, there is a footer with the text: 'Mahlkönig © 2024', 'Imprint Terms of Service Privacy Policy', and 'v 0.0.26-318'.

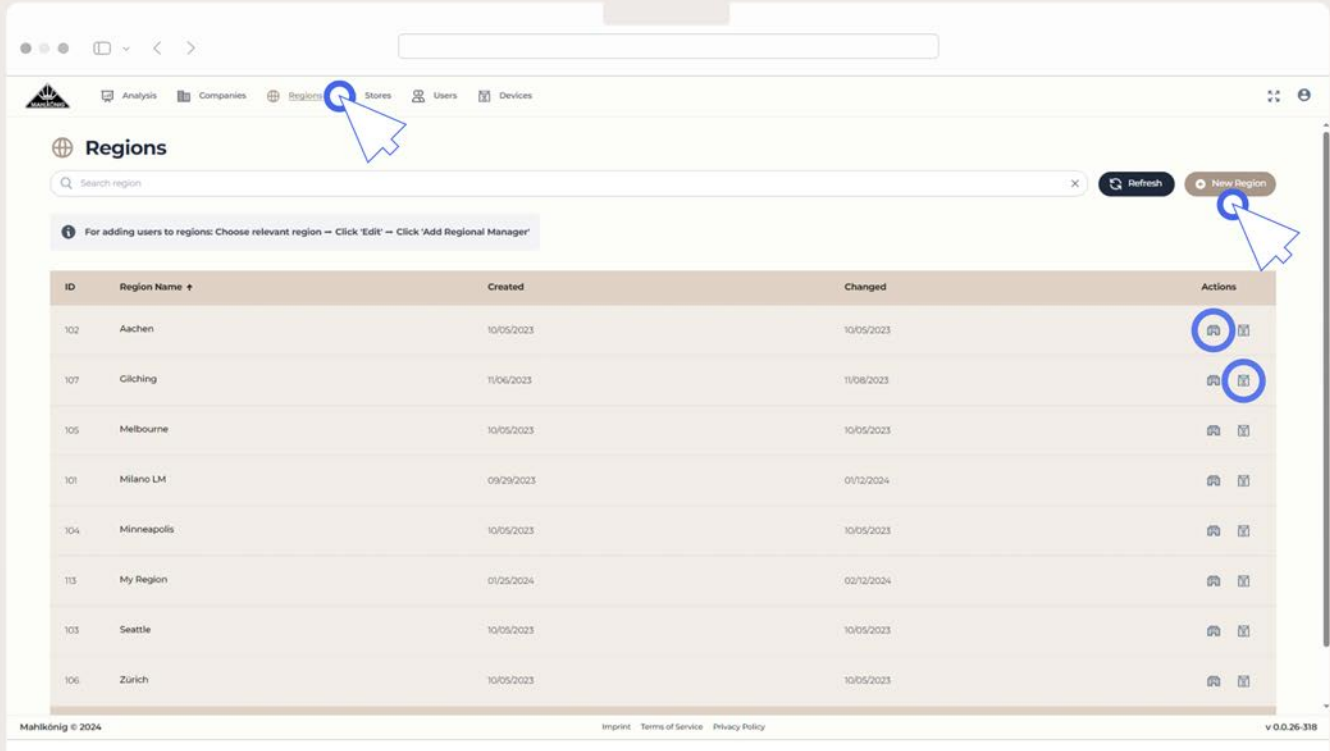


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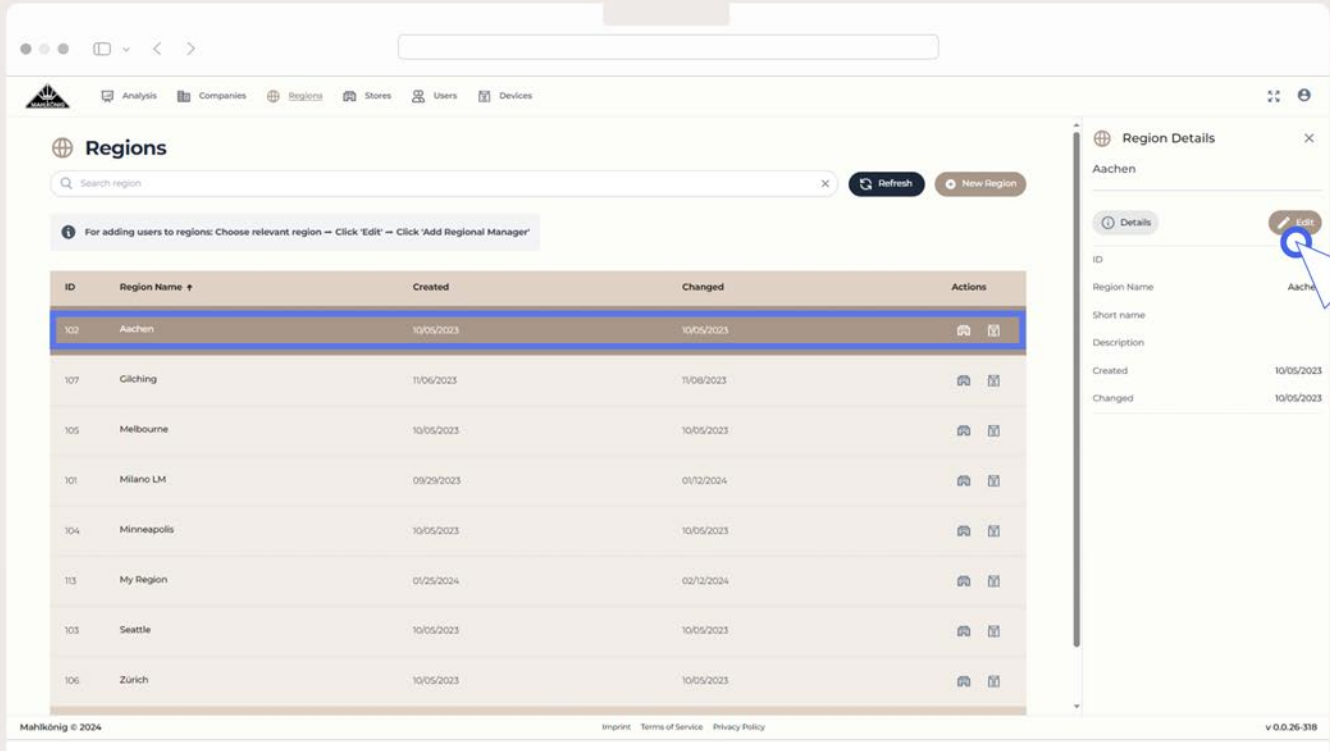
Companies Tab

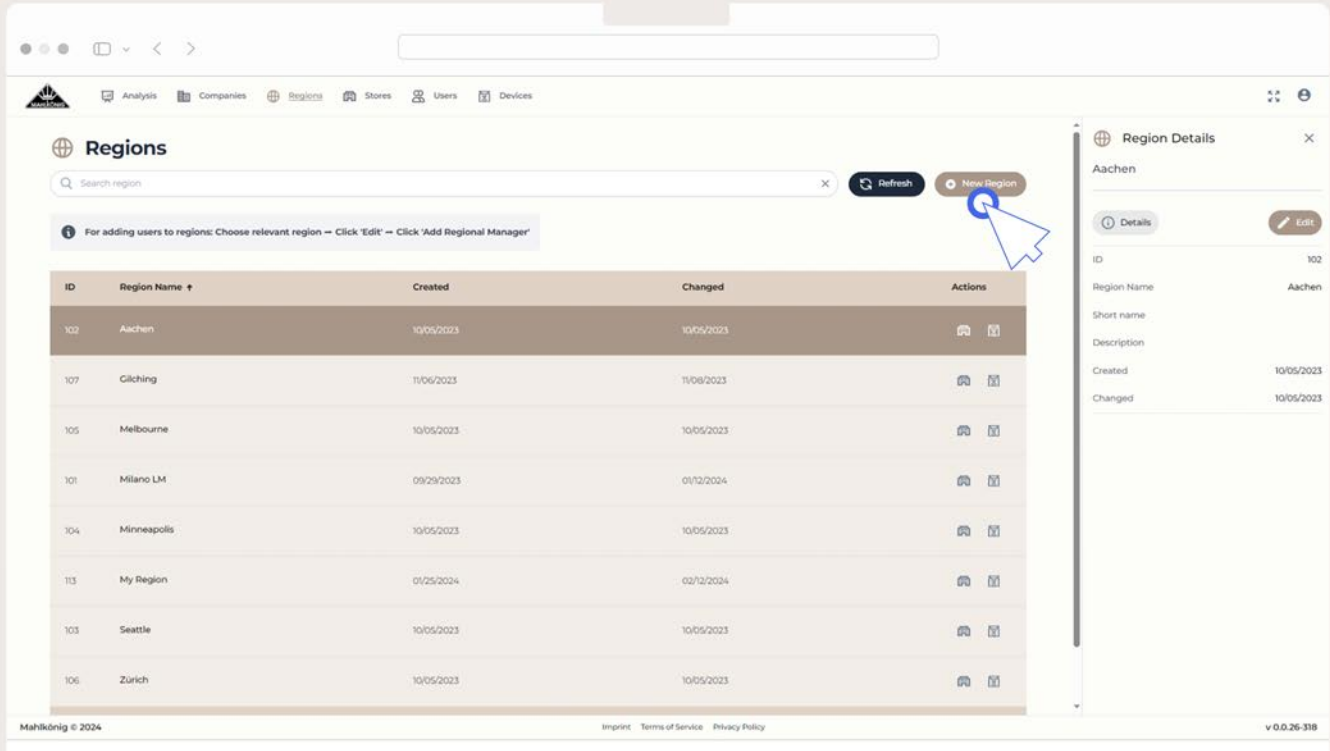
Company Admin View
(only available to company managers)



Regions Tab

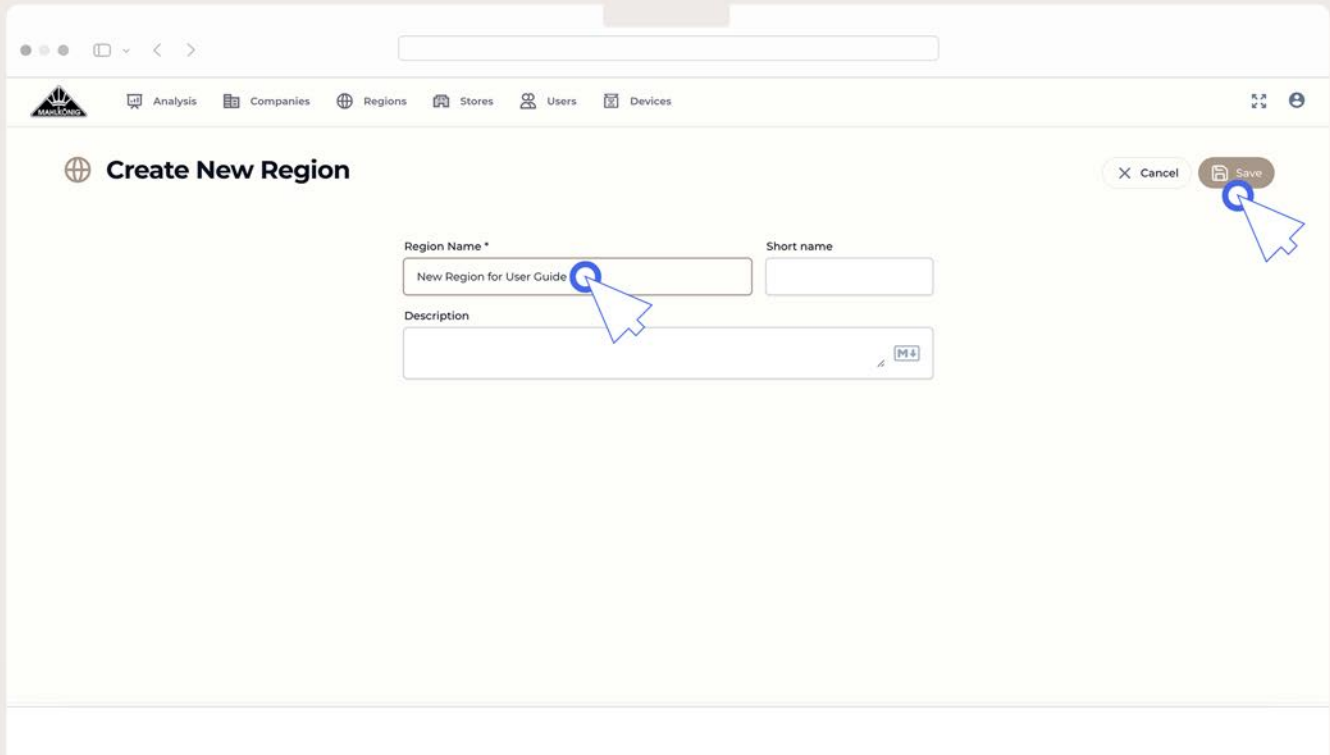
Regional Managers View (only editable by
Company or Regional Manager)





Adding New Region

///



Adding New Region

Regions

Search region Refresh New Region

For adding users to regions: Choose relevant region -> Click 'Edit' -> Click 'Add Regional Manager'

| ID | Region Name ↑ | Created | Changed | Actions |
|-----|---------------|------------|------------|---------|
| 102 | Aachen | 10/05/2023 | 10/05/2023 | |
| 107 | Gilching | 11/06/2023 | 11/06/2023 | |
| 105 | Melbourne | 10/05/2023 | 10/05/2023 | |
| 101 | Milano LM | 09/29/2023 | 01/12/2024 | |
| 104 | Minneapolis | 10/05/2023 | 10/05/2023 | |
| 113 | My Region | 01/25/2024 | 02/12/2024 | |
| 103 | Seattle | 10/05/2023 | 10/05/2023 | |
| 106 | Zürich | 10/05/2023 | 10/05/2023 | |

Region Details Aachen

Details Edit

ID

Region Name Aachen

Short name

Description

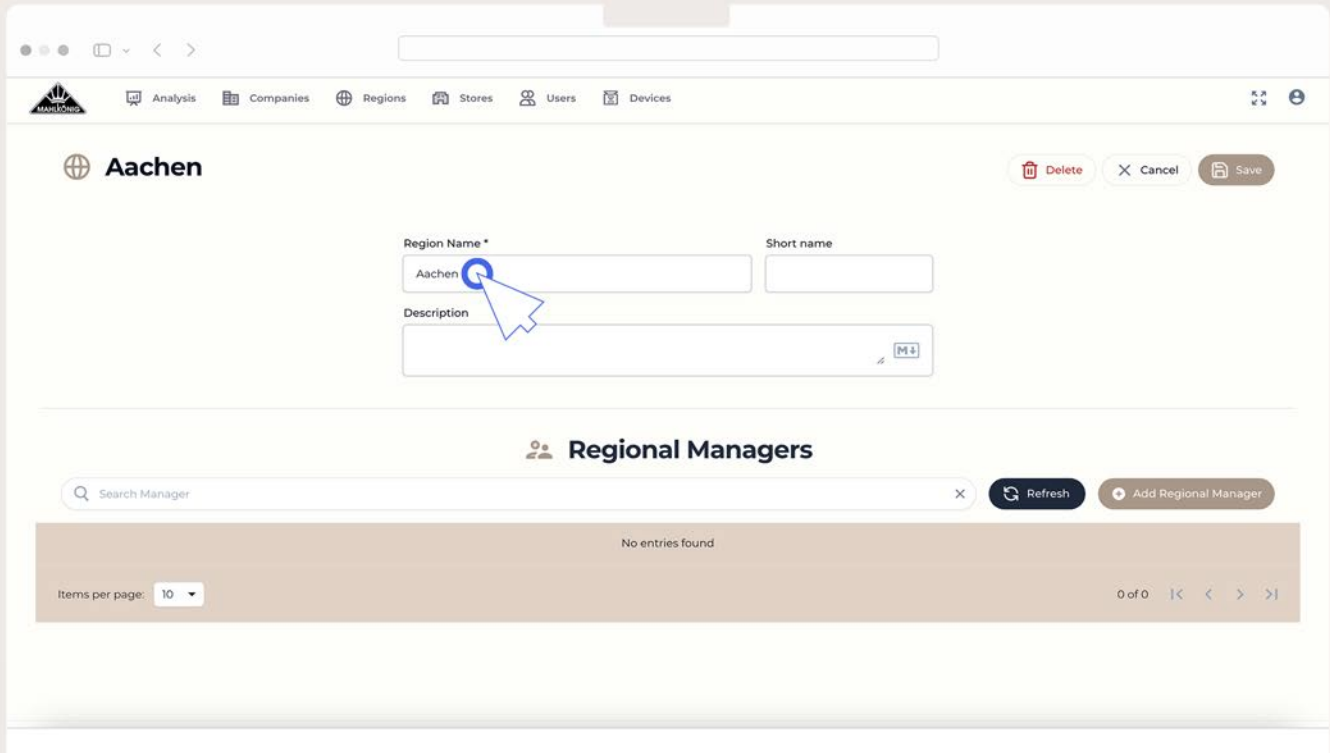
Created 10/05/2023

Changed 10/05/2023

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Editing Existing Region

///



Editing Existing Region

Regions

Search region

Refresh New Region

For adding users to regions: Choose relevant region -> Click 'Edit' -> Click 'Add Regional Manager'

| ID | Region Name | Created | Changed | Actions |
|-----|-------------|------------|------------|---------|
| 102 | Aachen | 10/05/2023 | 10/05/2023 | |
| 107 | Gilching | 11/06/2023 | 11/06/2023 | |
| 105 | Melbourne | 10/05/2023 | 10/05/2023 | |
| 101 | Milano LM | 09/29/2023 | 01/12/2024 | |
| 104 | Minneapolis | 10/05/2023 | 10/05/2023 | |
| 113 | My Region | 01/25/2024 | 02/12/2024 | |
| 103 | Seattle | 10/05/2023 | 10/05/2023 | |
| 106 | Zürich | 10/05/2023 | 10/05/2023 | |

Region Details

Aachen

Details Edit

ID

Region Name Aachen

Short name

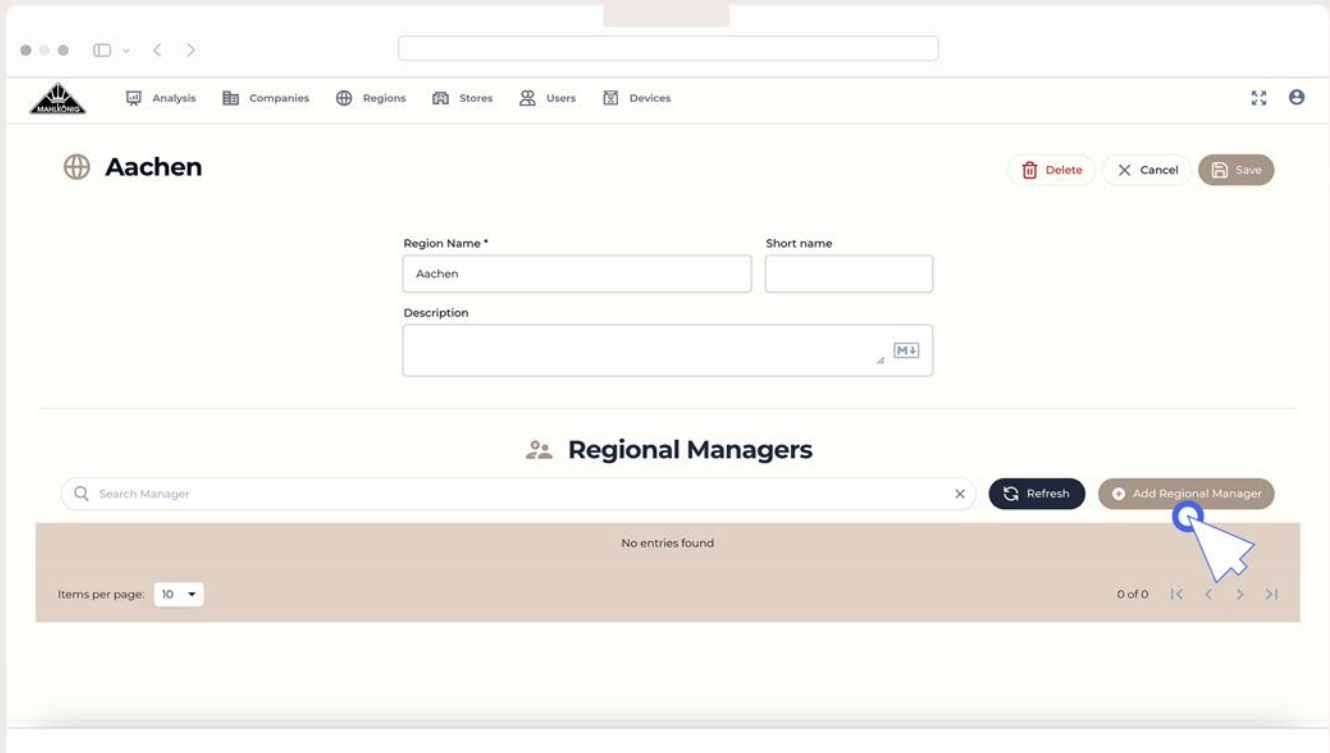
Description

Created 10/05/2023

Changed 10/05/2023

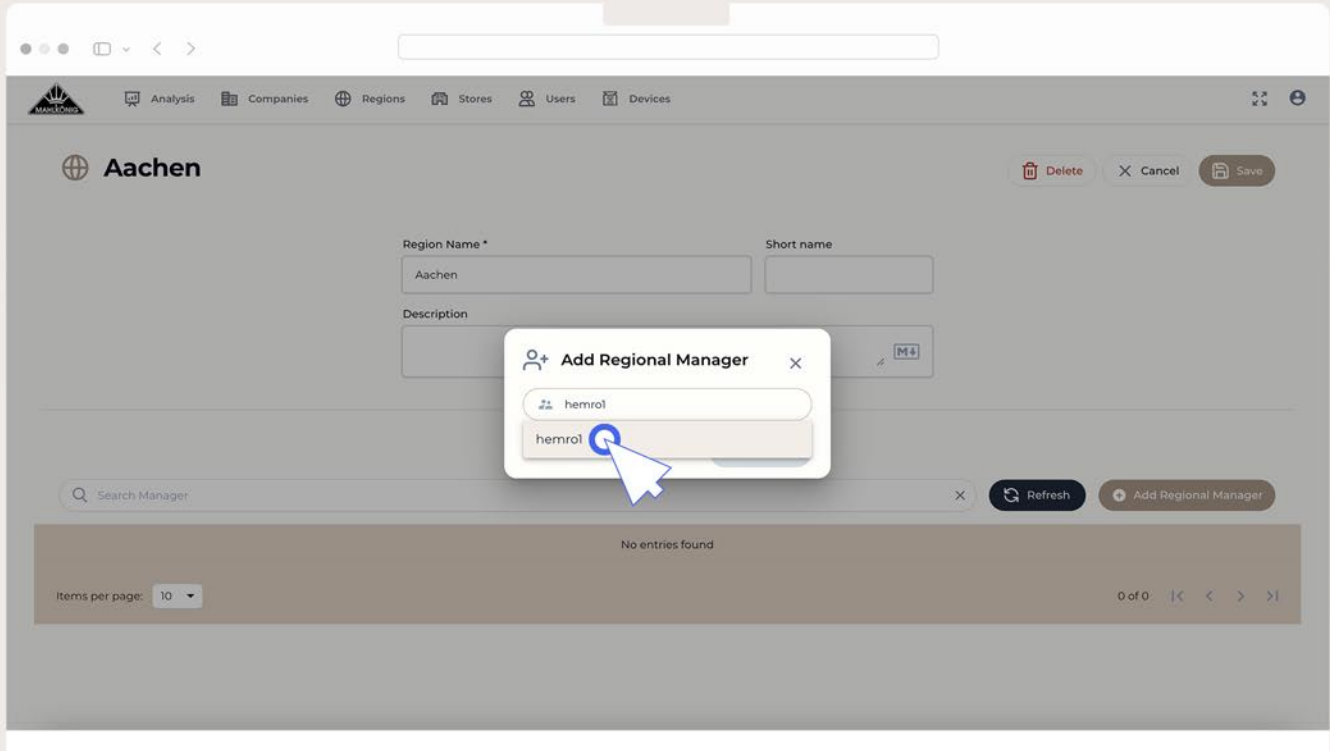
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Editing Region & Regional Managers



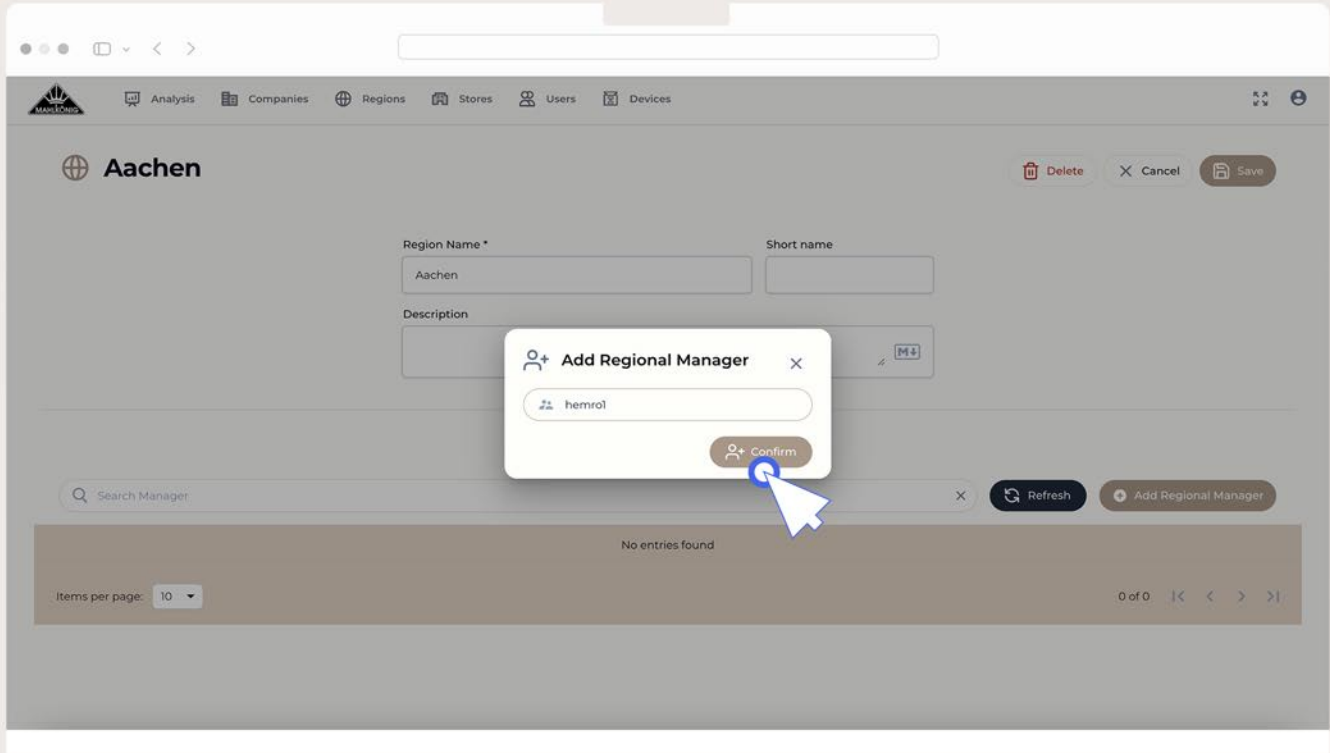
Editing Region & Regional Managers

///

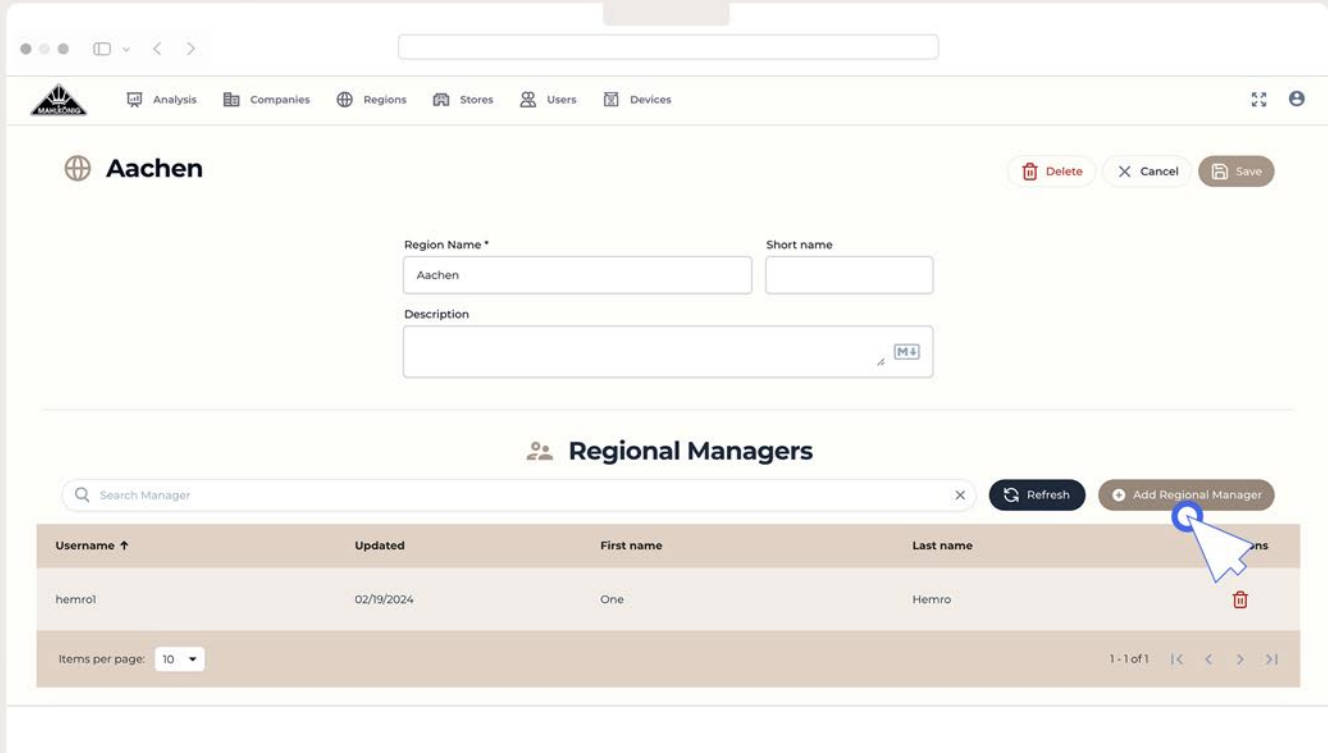


Adding an Existing User as Regional Manager

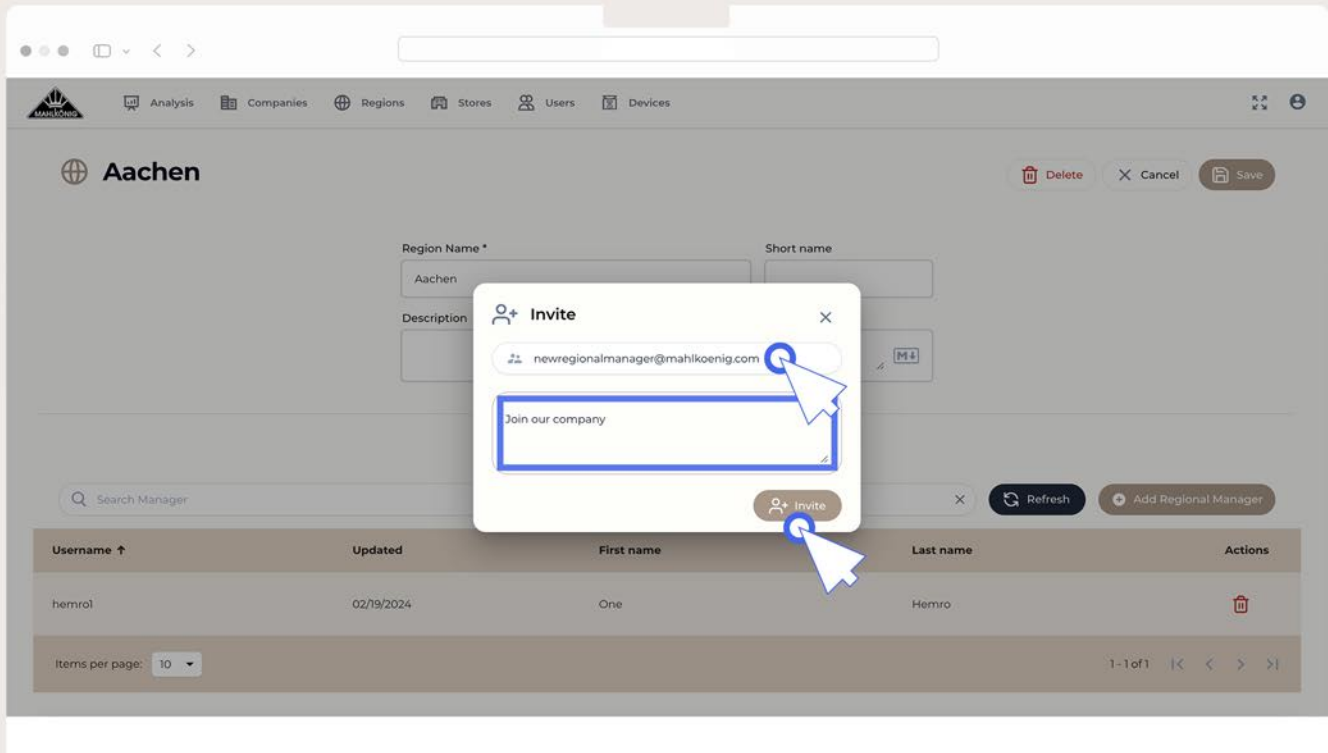
///



Adding an Existing User as Regional Manager



Inviting a New User as Regional Manager



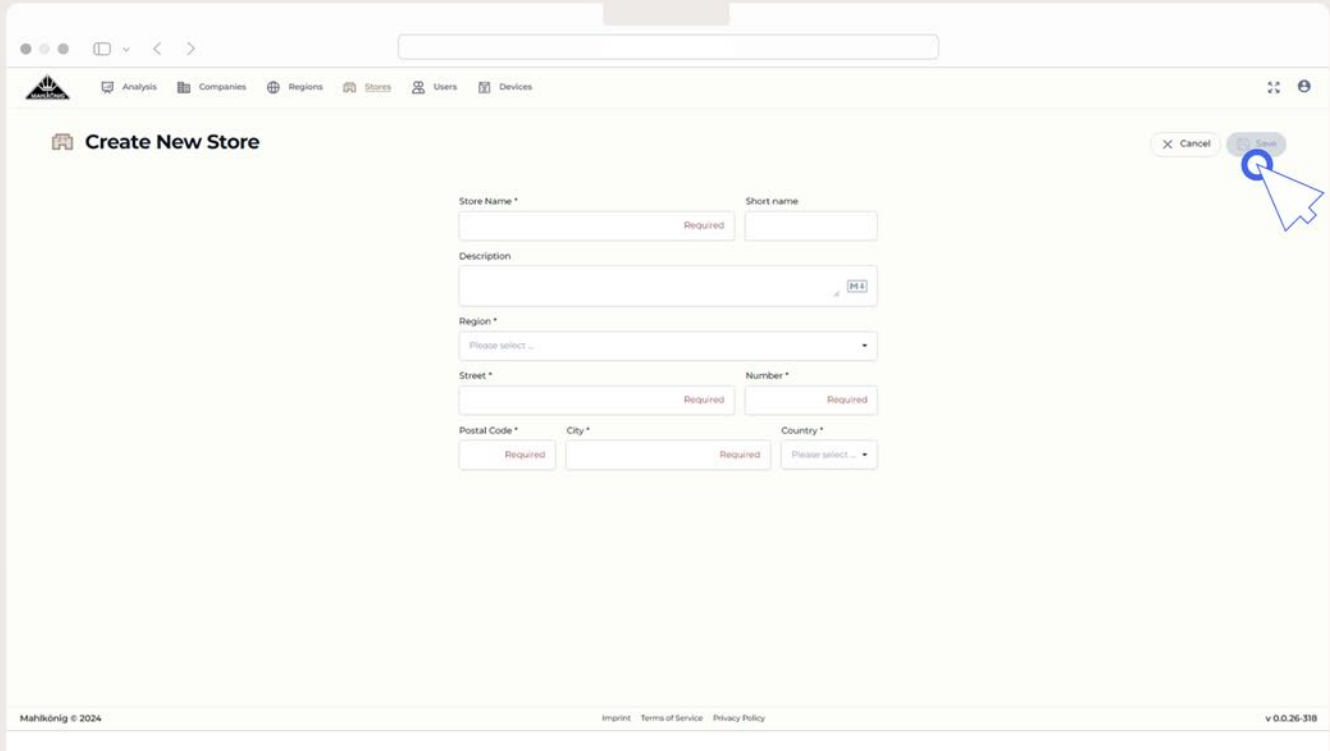
Inviting a New User as Regional Manager

The screenshot displays the 'Stores' management page in the Mahlkönig Sync Desktop Application. The page features a navigation bar with options like Analysis, Companies, Regions, Stores, Users, and Devices. A search bar is present for finding stores. A 'New Store' button is highlighted with a mouse cursor. Below the search bar, an information icon and a tip state: 'For adding users to stores: Choose relevant store – Click 'Edit' – Click 'Add Store Managers/Baristas''. The main content is a table with the following columns: ID, Store Name, Region, Created, Changed, and Actions. The table lists several test stores with their respective IDs, names, regions, and creation/modification dates. The 'Actions' column for each row contains an edit icon, which is circled in blue in the image.

| ID | Store Name ↑ | Region | Created | Changed | Actions |
|-----|------------------------------|-------------|------------|------------|---------|
| 111 | Field Test AU | Melbourne | 10/05/2023 | 12/04/2023 | |
| 117 | Field Test AU - Hemro Sales | Melbourne | 11/09/2023 | 12/08/2023 | |
| 112 | Field Test AU - Maker Coffee | Melbourne | 10/05/2023 | 12/04/2023 | |
| 107 | Field Test IT - LM ACADEMY | Milano LM | 10/05/2023 | 12/08/2023 | |
| 106 | Field Test IT - LM FACTORY | Milano LM | 10/05/2023 | 12/08/2023 | |
| 116 | Field Test US - Hemro Sales | Seattle | 11/09/2023 | 12/08/2023 | |
| 109 | Field Test US - Partner1 | Seattle | 10/05/2023 | 12/08/2023 | |
| 110 | Field Test US - Partner2 | Minneapolis | 10/05/2023 | 12/08/2023 | |

Adding a New Store or Editing an Existing One

//



Adding a New Store

The screenshot displays the 'Stores' management interface. At the top, there is a navigation bar with icons for Analysis, Companies, Regions, Stores, Users, and Devices. Below this is a search bar for stores and a 'Region' dropdown menu. A 'Refresh' button and a 'New Store' button are also present. A notification banner provides instructions: 'For adding users to stores: Choose relevant store → Click 'Edit' → Click 'Add Store Managers/Baristas''. The main area contains a table of stores with columns for ID, Store Name, Region, Created, Changed, and Actions. The first row, 'Field Test AU', is highlighted. To the right, a 'Store Details' sidebar is open for 'Field Test AU', showing fields like ID, Store Name, Short name, Description, Region, Created, Changed, Street, Number, Postal Code, City, and Country. A blue arrow points to the 'Edit' button in the sidebar.

| ID | Store Name ↑ | Region | Created | Changed | Actions |
|-----|------------------------------|-------------|------------|------------|---------|
| 118 | Field Test AU | Melbourne | 10/05/2023 | 12/04/2023 | [Edit] |
| 117 | Field Test AU - Hemro Sales | Melbourne | 11/09/2023 | 12/08/2023 | [Edit] |
| 112 | Field Test AU - Maker Coffee | Melbourne | 10/05/2023 | 12/04/2023 | [Edit] |
| 107 | Field Test IT - LM ACADEMY | Milano LM | 10/05/2023 | 12/08/2023 | [Edit] |
| 106 | Field Test IT - LM FACTORY | Milano LM | 10/05/2023 | 12/08/2023 | [Edit] |
| 116 | Field Test US - Hemro Sales | Seattle | 11/09/2023 | 12/08/2023 | [Edit] |
| 109 | Field Test US - Partner1 | Seattle | 10/05/2023 | 12/08/2023 | [Edit] |
| 110 | Field Test US - Partner2 | Minneapolis | 10/05/2023 | 12/08/2023 | [Edit] |

Editing an Existing Store

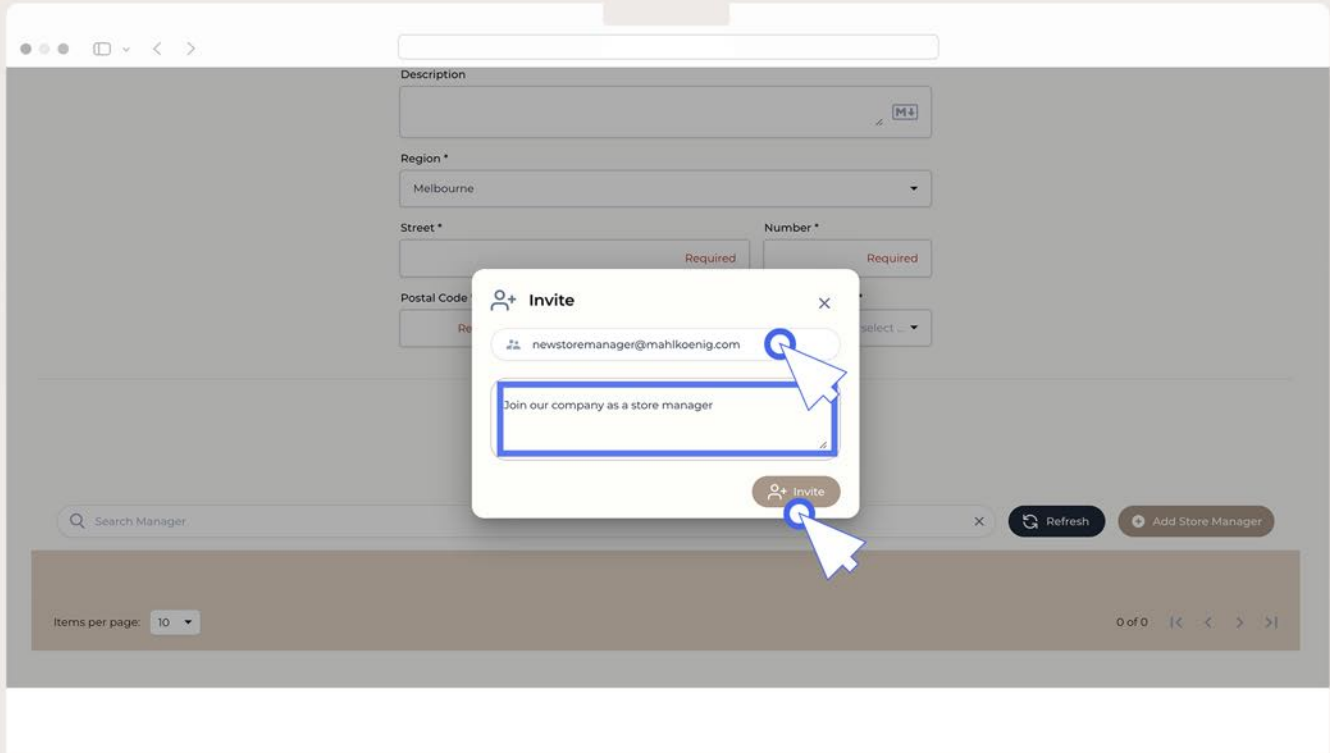
The screenshot shows a web browser window displaying the 'Field Test AU' form. The browser's address bar is empty. The navigation menu at the top includes Analysis, Companies, Regions, Stores, Users, and Devices. The form itself has the following fields and controls:

- Store Name ***: Text input containing 'Field Test AU'.
- Short name**: Empty text input.
- Description**: Text area with a rich text editor icon (M).
- Region ***: Dropdown menu showing 'Melbourne'.
- Street ***: Text input with a red 'Required' label.
- Number ***: Text input with a red 'Required' label.
- Postal Code ***: Text input with a red 'Required' label.
- City ***: Text input with a red 'Required' label.
- Country ***: Dropdown menu with 'Please select ...'.

At the bottom of the form, there are two buttons: 'Edit Store Managers' and 'Edit Baristas'. Both buttons have a blue mouse cursor icon pointing to them.

Inviting a New User as Store Manager or Barista

///



Inviting a New User as Store Manager or Barista

Description

Region *

Melbourne

Street * Required Number * Required

Postal Code * Required City * Required Country * Please select ...

[Edit Store Managers](#) [Edit Baristas](#)

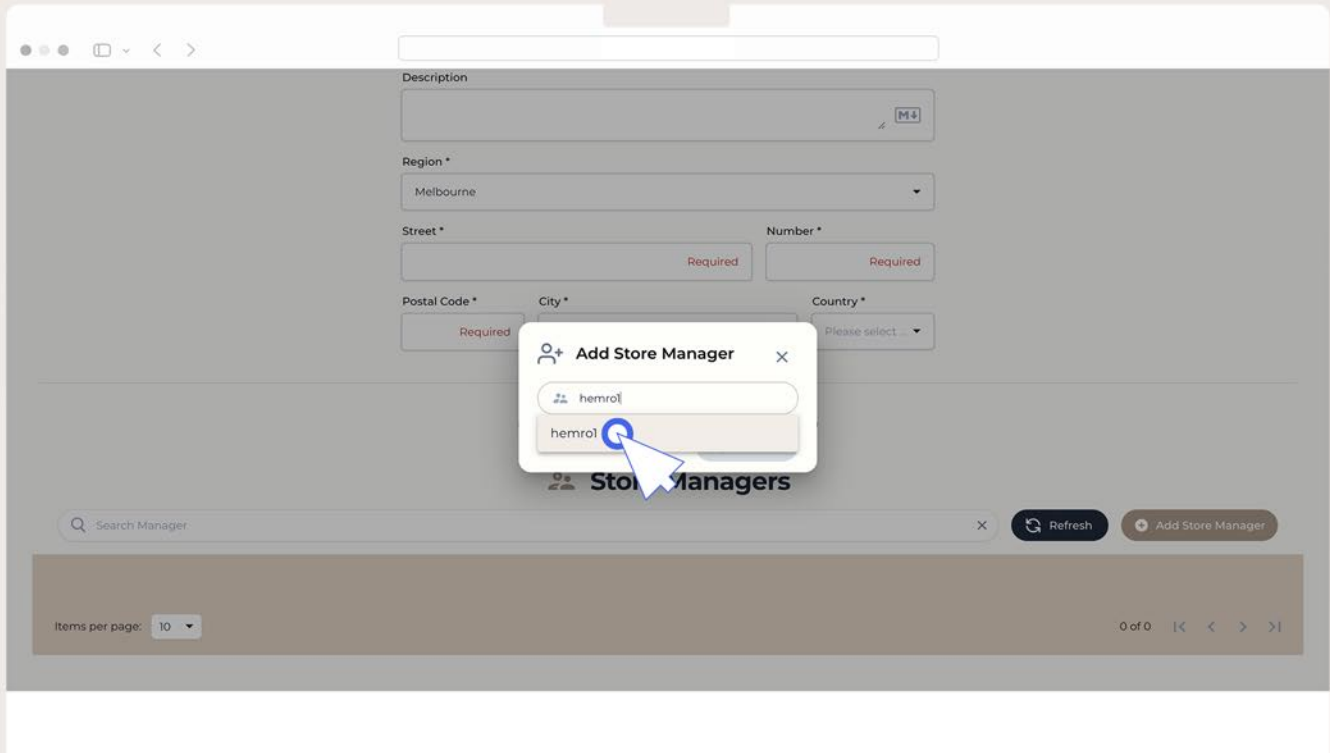
Store Managers

× [Refresh](#) [Add Store Manager](#)

Items per page: 10 ▾ 0 of 0 |< < > >|

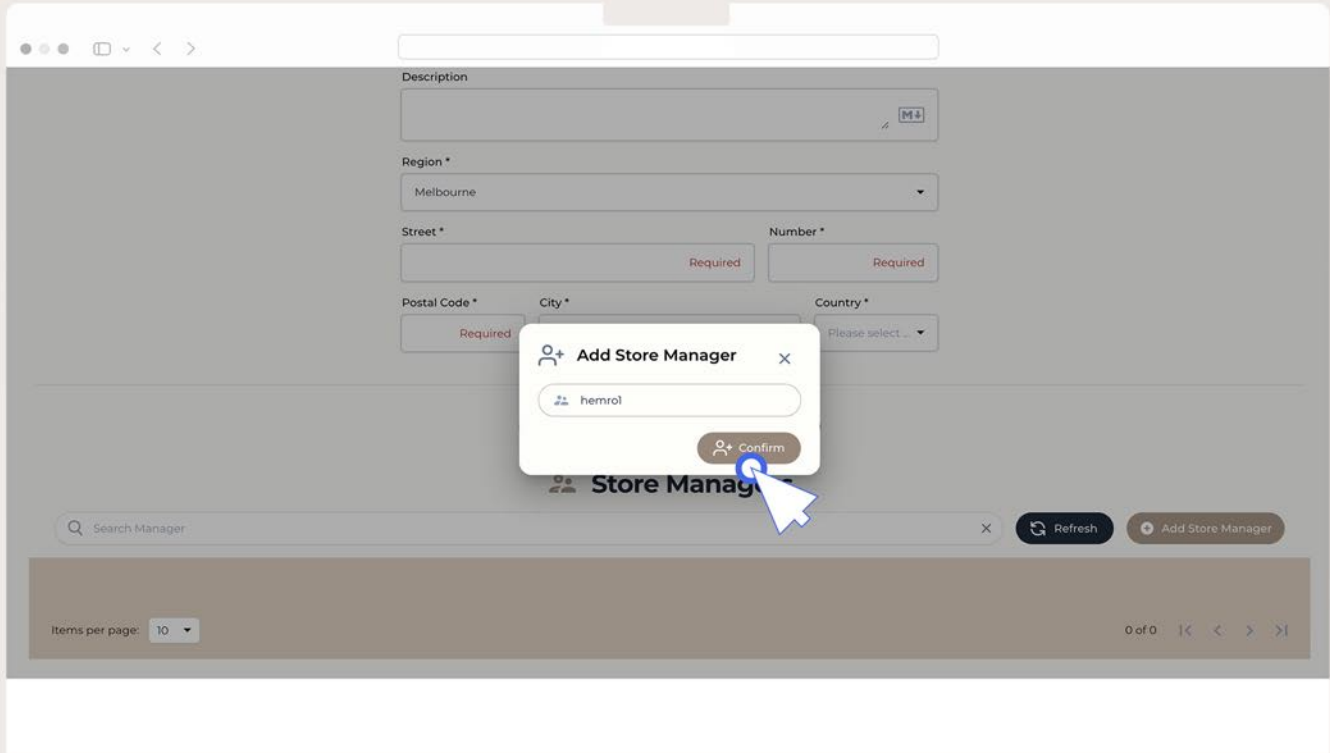
Inviting a New User as Store Manager or Barista

///



Inviting an Existing User as Store Manager or Barista

///



Inviting an Existing User as Store Manager or Barista

The screenshot displays the 'Users' management page. At the top, there is a navigation bar with icons for Analysis, Companies, Regions, Stores, Users, and Devices. Below the navigation bar, the 'Users' section is titled with a search bar and buttons for 'Refresh' and 'Invitations'. A helpful message states: 'For adding users to regions/stores: Click region/store in menu bar at top → Choose relevant region/store → Click 'Edit' → Click 'Add Manager''. The main content is a table with the following columns: Username, First name, Last name, Changed, and Created. The table contains three rows of user data. At the bottom of the table, there is a pagination control showing 'Items per page: 100' and '1-3 of 3'.

| Username ↓ | First name | Last name | Changed | Created |
|------------|------------|------------|------------|------------|
| [Redacted] | [Redacted] | [Redacted] | 11/22/2023 | 09/29/2023 |
| [Redacted] | [Redacted] | [Redacted] | 09/29/2023 | 09/29/2023 |
| [Redacted] | [Redacted] | [Redacted] | 09/29/2023 | 09/29/2023 |

Items per page: 100 | 1-3 of 3 | < > >>

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Users

Search Users

Refresh Invitations

For adding users to regions/stores: Click region/store in menu bar at top → Choose relevant region/store → Click 'Edit' → Click 'Add Manager'

| Username | First name | Last name | Changed | Created |
|------------|------------|------------|------------|------------|
| [REDACTED] | [REDACTED] | [REDACTED] | 09/29/2023 | 09/29/2023 |
| [REDACTED] | [REDACTED] | [REDACTED] | 09/29/2023 | 09/29/2023 |
| [REDACTED] | [REDACTED] | [REDACTED] | 11/22/2023 | 09/29/2023 |

Items per page: 100

1 - 3 of 3

User Details

Details Edit

Username [REDACTED]

First name [REDACTED]

Last name [REDACTED]

Changed 09/29/2023

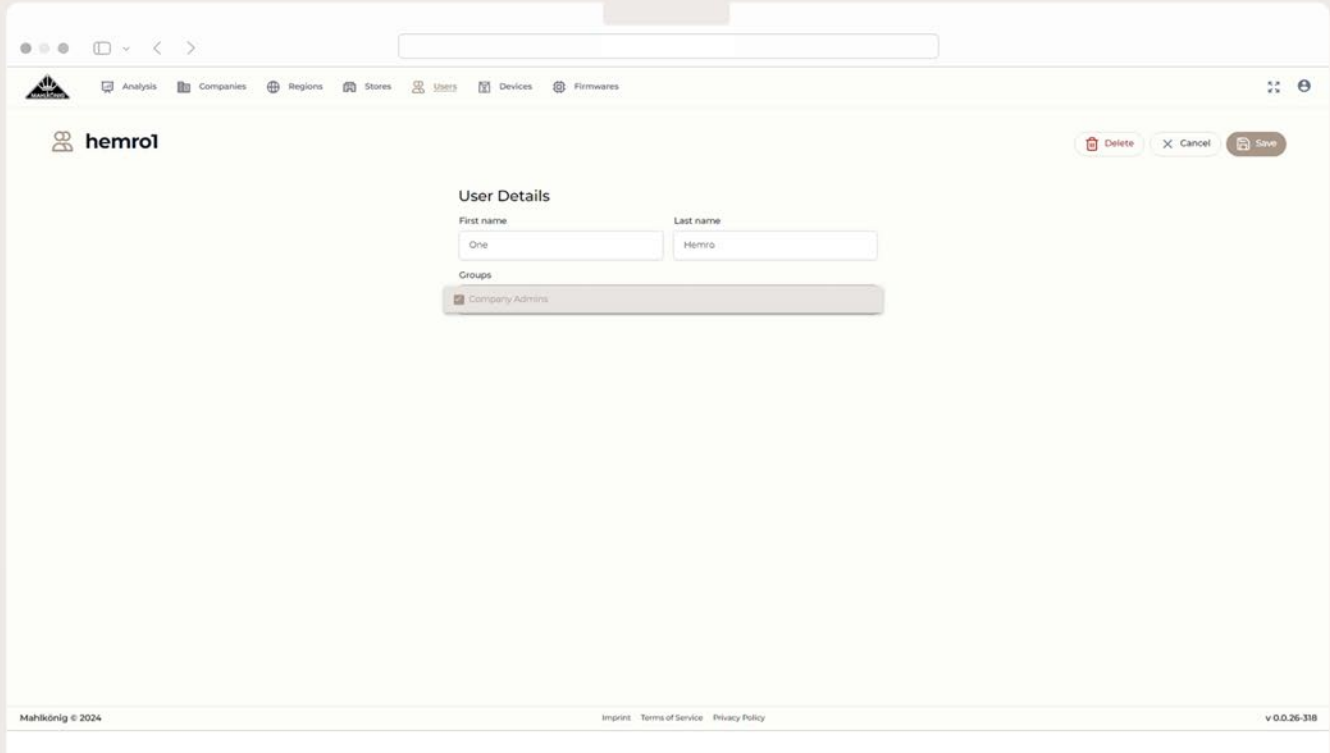
Created 09/29/2023

Company Grind-by-Sync

Groups Company Admins Users

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Editing a User Profile



Editing a User Profile

Devices

Search devices

Region: [Dropdown] Store: [Dropdown] Refresh New Device

| SN | HMI SN ↑ | HW Version | FW Version | Model | Subtype | Name | Assembly Date | First Online | Last Online | Store | Test Device | CBS Paired Device (SN) |
|----|----------|------------|------------|-------|---------|-------------------------------|---------------|--------------|-------------|-----------------------------|-------------|------------------------|
| | 25F66B | | 10.9.941 | | | EBOW CbS - 790909 | | 10/09/2023 | 02/02/2024 | Field Test AU | | KB002846 |
| | 25F66E | | 10.11.977 | | | EBOW CbS - LM Field Test USA2 | | 11/22/2023 | 01/19/2024 | Field Test US - Hemro Sales | | FB042095 |
| | 25F671 | | 10.7.920 | | | EBOW CbS - 65945 | | 11/09/2023 | 11/22/2023 | R&D Hemro | | |
| | 25F672 | | 10.7.920 | | | EBOW CbS - 702735 (Missing) | | 10/05/2023 | 11/22/2023 | R&D Hemro | | FB038238 |
| | 25F674 | | | | | EBOW CbS - Oliver | | 11/09/2023 | never | R&D Yukawa | | |
| | 25F675 | | 10.11.977 | | | EBOW CbS - 762270 | | 10/05/2023 | 02/14/2024 | Field Test AU | | KB002846 |
| | 25F679 | | | | | EBOW CbS - Oliver | | 11/09/2023 | never | R&D Yukawa | | |
| | 25F67C | | 10.11.977 | | | EBOW CbS - Hemro Sales Office | | 10/05/2023 | 02/12/2024 | Field Test US - Hemro Sales | | |
| | 25F67E | | 10.7.933 | | | EBOW CbS - 751190 | | 11/07/2023 | 12/05/2023 | R&D Hemro | | |

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Editing Device Info

The screenshot displays the Mahlkönig Sync Desktop Application interface. The main window shows a list of devices under the 'Devices' tab. The table below represents the data shown in the application:

| SN | HMI SN | HW Version | FW Version | Model | Subtype | Name | Assembly Date | First Online | Last Online | Store | Test Device | CbS Paired Device (SN) |
|--------|--------|------------|------------|-------|---------|-------------------------------|---------------|--------------|-------------|-----------------------------|-------------|------------------------|
| 25F66B | | | 10.9.941 | | | E80W CbS - 780909 | | 10/09/2023 | 02/02/2024 | Field Test AU | | K8002846 |
| 25F66E | | | 10.11.977 | | | E80W CbS - LM Field Test USA2 | | 11/22/2023 | 01/19/2024 | Field Test US - Hemro Sales | | P8042095 |
| 25F671 | | | 10.7.920 | | | E66W CbS - 65945 | | 11/09/2023 | 11/22/2023 | R&D Hemro | | |
| 25F672 | | | 10.7.920 | | | E80W CbS - 702735 (Missing) | | 10/05/2023 | 11/22/2023 | R&D Hemro | | P8038238 |
| 25F674 | | | | | | E80W CbS - Oliver | | 11/09/2023 | never | R&D Yukawa | | |
| 25F675 | | | 10.11.971 | | | E80W CbS - 762270 | | 10/05/2023 | 02/14/2024 | Field Test AU | | K8002846 |
| 25F679 | | | | | | E80W CbS - Oliver | | 11/09/2023 | never | R&D Yukawa | | |
| 25F67C | | | 10.11.977 | | | E80W CbS - Hemro Sales Office | | 10/05/2023 | 02/12/2024 | Field Test US - Hemro Sales | | |
| 25F67E | | | 10.7.933 | | | E80W CbS - 75990 | | 11/07/2023 | 12/05/2023 | R&D Hemro | | |

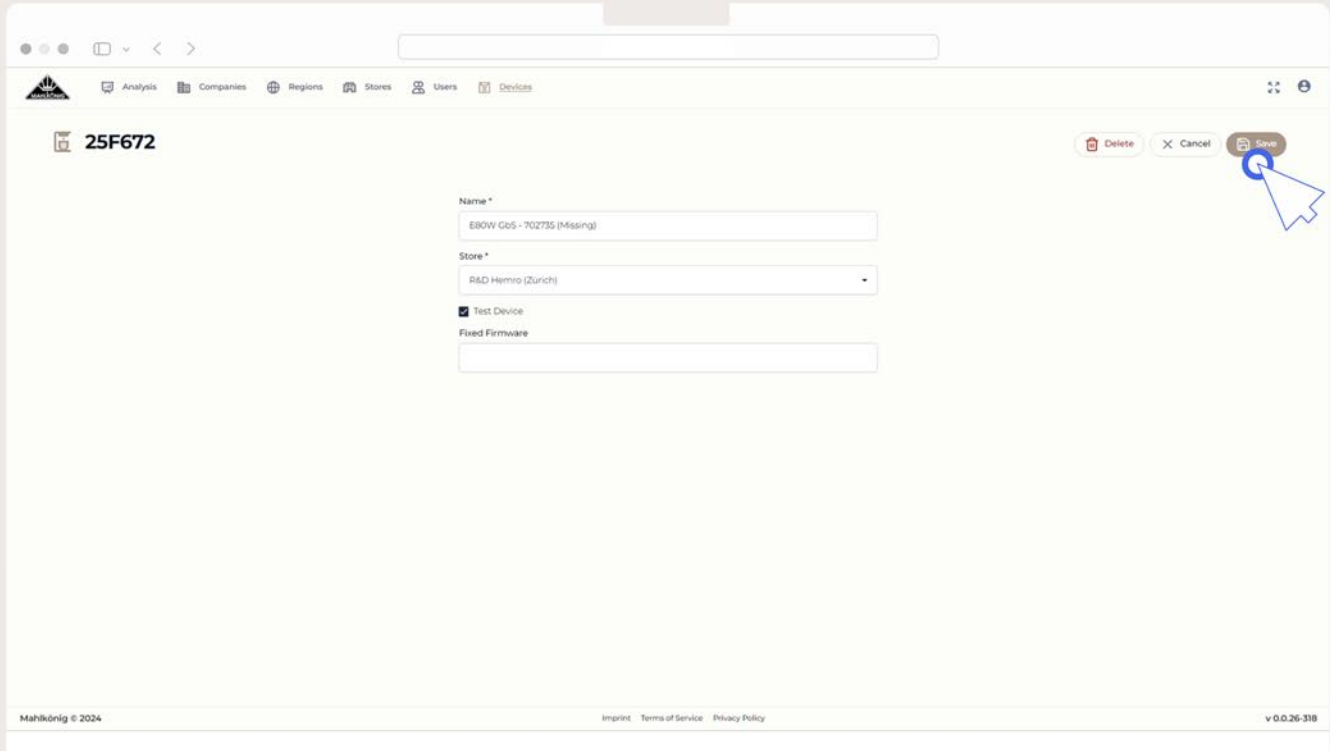
The right-hand side of the application shows the 'Device Details' panel for device 25F671. The details include:

- SN: 25F671
- HMI SN: 25F671
- HW Version: E66W CbS - 65945
- Last Online: 11/22/2023
- FW Version: 10.7.920
- Model: E66W CbS - 65945
- Subtype: E66W CbS - 65945
- Name: E66W CbS - 65945
- Assembly Date: 11/09/2023
- First Online: 11/09/2023
- Store: R&D Hemro
- Test Device: [checked]
- Production Date: 12/08/2023
- Region: Zurich
- CbS Paired Device (SN):
- Fixed Firmware: 12/08/2023
- Changed: 12/08/2023

An arrow points to the 'Edit' button in the Device Details panel.

Editing Device Info

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Saving Device Info

