

Connected System 24

Quick-start guide

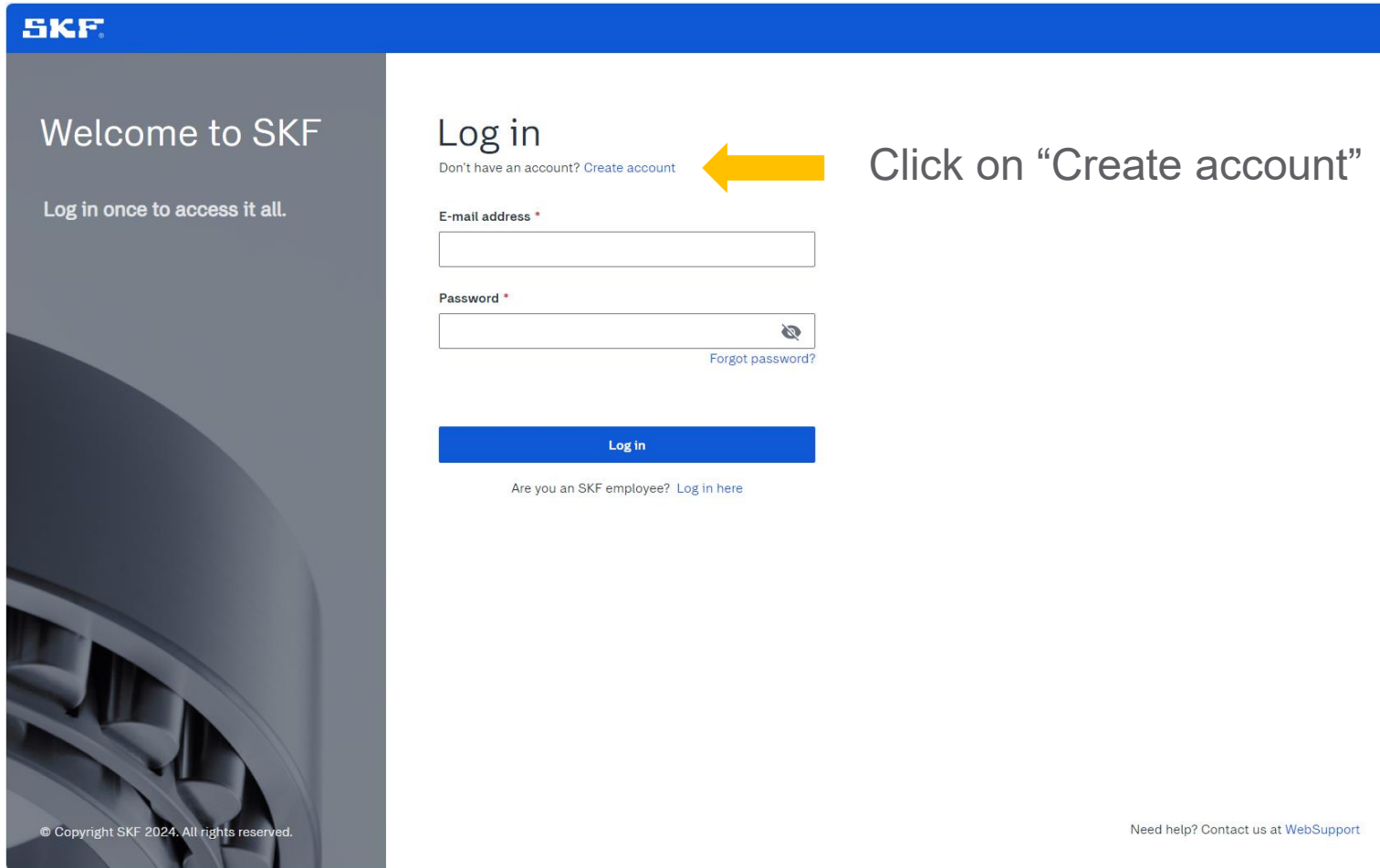
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1 – Account Creation

Create account

- Go to <https://www.lubrication-cloud.skf.com/> (from your computer or phone web browser)



The screenshot shows the SKF login page. On the left, there is a grey sidebar with the SKF logo at the top, followed by the text "Welcome to SKF" and "Log in once to access it all." Below this is a partial image of a bearing. The main content area is white and contains a "Log in" section. At the top of this section is the text "Log in" and a link "Don't have an account? Create account" with a yellow arrow pointing to it. Below this are two input fields: "E-mail address" and "Password". The password field has a toggle icon and a "Forgot password?" link below it. A blue "Log in" button is positioned below the password field. At the bottom of the login section, there is a link "Are you an SKF employee? Log in here". The footer of the page contains the copyright notice "© Copyright SKF 2024. All rights reserved." on the left and "Need help? Contact us at WebSupport" on the right.

SKF

Welcome to SKF

Log in once to access it all.

Log in

Don't have an account? [Create account](#)

E-mail address *

Password *

[Forgot password?](#)

[Log in](#)

Are you an SKF employee? [Log in here](#)

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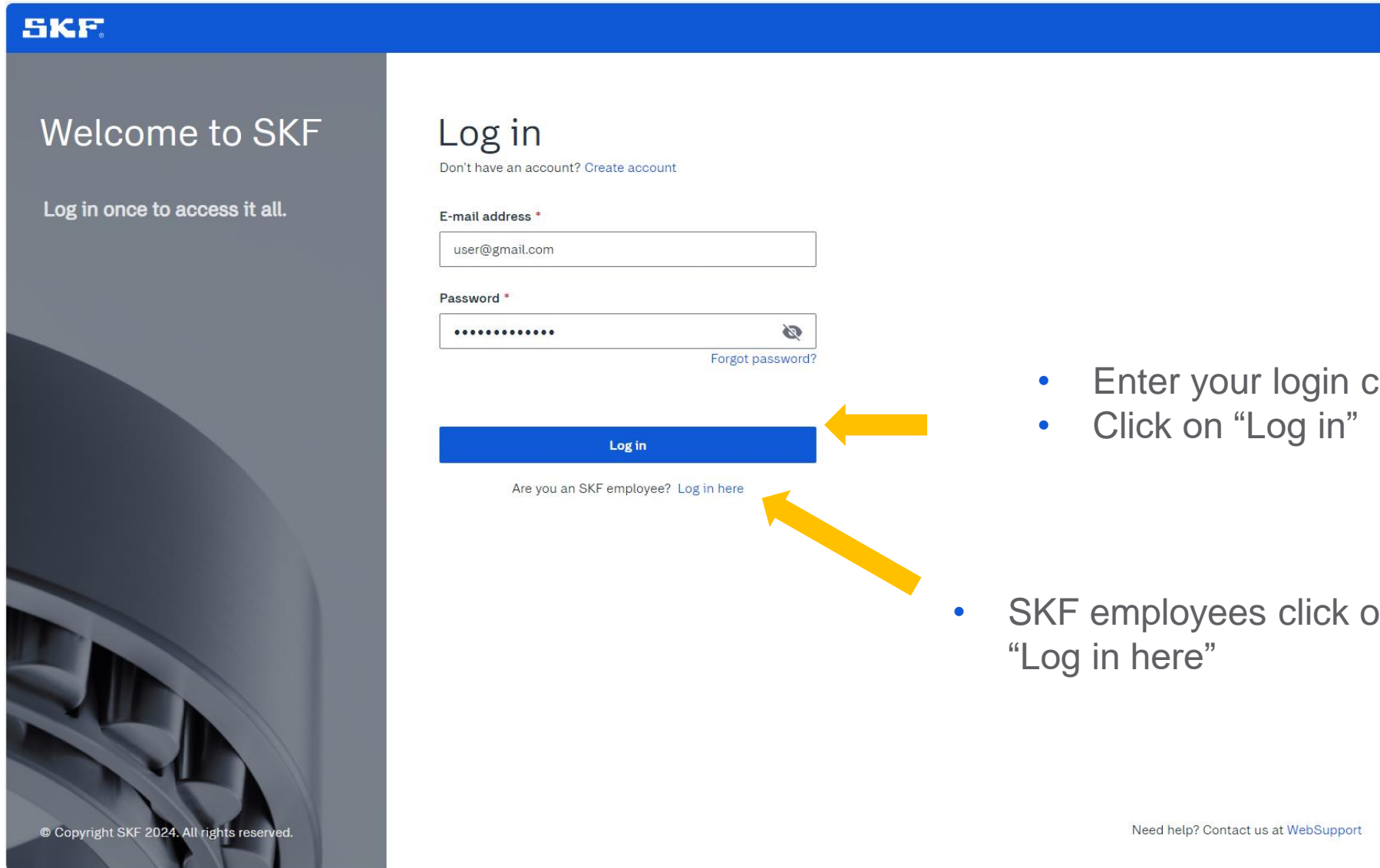
1 – Account Creation

Account registration

- enter “First name”, “Last name” and verify your e-mail address
- enter the verification code received by email to continue
- enter account information (company name, location and desired language)
- create a password and check “I have read the Terms & Conditions and the Privacy Policy and agree to them”

2 – Accessing your account

Access your new account



The screenshot shows the SKF login interface. On the left, a grey sidebar contains the SKF logo, the text 'Welcome to SKF', and 'Log in once to access it all.'. The main content area is white and features a 'Log in' heading, a 'Create account' link, and two input fields: 'E-mail address *' (containing 'user@gmail.com') and 'Password *' (with a toggle icon). Below the password field is a 'Forgot password?' link. A blue 'Log in' button is positioned below the form. At the bottom of the form area, there is a link for SKF employees: 'Are you an SKF employee? Log in here'. Two yellow arrows point to the 'Log in' button and the 'Log in here' link respectively.

- Enter your login credentials
- Click on “Log in”

- SKF employees click on “Log in here”

3 – Organization creation and tutorial

Create an Organization and start the onboarding tutorial:

Create an Organization ✕

Organization information

Name *

Country

Contact phone

City

Description

Street

Zip code

- Click on “Create Organization” and enter your organization information
- This step is optional. In case you would like to access an existing organization please ask for an invite from one of the currently active users

Welcome to an improved experience!

Let us take you through the changes and introduce the latest feature - hierarchy tree. Some of the benefits are:

- Flexible and customisable hierarchy tree, based on your needs and complexity of your organisation / applications
- Structured overview of your plants, factories, assets, etc.
- Dragging and dropping the nodes (hierarchy levels)
- Being able to quickly add, edit and delete the node
- Filtering of assets and devices
- How to add a gateway and how to add a lubrication device

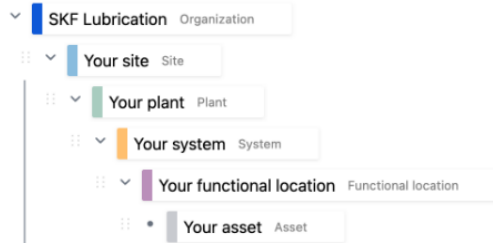
- Start the onboarding tutorial
- This step is highly recommended, especially if this is the first time using the platform. The tutorial is optional and can be skipped by clicking the “Skip” button.

4 – Dashboard view

The Dashboard is used to set up companies in a structured way so that the status of the Assets & Devices can be seen.

Initially, your dashboard will be empty as no *Devices (TLDDs)* and *Gateway (s)* have been added yet.

The hierarchy tree is predefined for your convenience.



Below you will find definition of each node:

- **Organisation** - The organisational structure that is the owner of the site installation.
- **Site** - The geographic location of a site installation e.g. Germany.
- **Plant** - A production unit within a site e.g. Factory xyz, Wind farm xyz, etc.
- **System** - A group of Functional locations or Systems that represents a functional area e.g. Floor 1, windturbine #1, etc.
- **Functional location** - A group of Assets connected to each other, representing a common function or a machine train e.g. Milling machines, Nacelle, etc.
- **Asset** - Asset values of a company, which is monitored with Devices. Could be the machine itself or the components of the machine e.g. Milling machine #1, Main bearing, Generator, Yaw, etc.

5 – Building your hierarchy

Add your first Asset

- The hierarchy tree is predefined for your convenience.
- Begin by editing the names, deleting the unnecessary nodes and adding new ones if needed.
- We recommend starting with the highest node and work your way down to assets.

To add a new asset or node:

1. click the **+** sign which shows next to the selected node of the hierarchy
2. Select the hierarchy type, e.g. Asset
3. give your Asset a name
4. Click on save to create the Asset.

Add as many assets as required following the steps above.

To edit an existing asset or node, press the three dots button **⋮** next to the name of the selected note and the Edit.

The screenshot displays the SKF Lubrication Cloud interface. On the left, a hierarchy tree is visible with nodes: SKF Org (Organization), Your site (Site), Your plant (Plant), Your system (System), Your factory floor (Functional location), Your asset #1 (Asset), Your asset #2 (Asset), and Your organization asset (Asset). A blue circle with the number '1' highlights the plus sign next to the 'Your system' node. The main dashboard area shows a 'Dashboard' with various status indicators (Total Devices, Ok, Warning, Error, Off, No connection) and a 'Devices' section. A 'New Hierarchy Level' dialog box is open in the foreground, containing a 'Type' dropdown menu with 'Asset' selected (circled with '2'), a 'Name' input field with 'e.g. Factory 1' (circled with '3'), and 'Cancel' and 'Save' buttons (circled with '4'). The footer of the page reads '© 2024 SKF Group - All rights reserved Terms of Use Privacy Policy Help'.

6 – Adding devices

Add your gateway

1. Choose the node (Organization, Site, Plant, System, Functional Location)* in which the gateway device will be added and click on it
2. Click on "Devices tab"
3. Click on "Add gateway", this will open a relevant form
4. Enter Gateway ID printed on the label of the Gateway
5. Enter a name to identify the Gateway
6. Click + Add gateway

*Note: Gateways CANNOT be added inside Assets

Add as many Gateways as required following the steps above.



Gateway bottom view

6 – Adding devices

Mount the gateway in your plant

- Select a location central to all the lubricators you want to connect to.
- Place the gateway as high as possible, such as near the top of the wall.
- Avoid obstructions. Thick walls and reflective surfaces, such as metal, weaken the signal between the gateway and the lubricators. Mount the gateway so that the LoRa antenna is vertically near the top of a wall.
- When using the normal gateway, it needs to be protected against dust and humidity. The IP67 unit can be mounted outdoors as it is dust and watertight.
- 3G/4G/5G connectivity is needed.
- The gateway must always have power. The IP67 gateway is powered over Ethernet (PoE) - if an Ethernet port is not available, a PoE adapter can be purchased separately from SKF, enabling the user to connect the gateway to a normal power outlet.



6 – Adding devices

Add your first Device to an Asset

1. Choose the asset node* in which the lubrication device will be added and click on it
2. Click on "+ Add Device" and choose "Add TLDD" from the dropdown selection, this will open the relevant form
3. Enter the Device ID printed on the label of the lubricator.
4. Enter a name, e.g. lubricator location at asset
5. Select cartridge size.
6. Select lubricant type.
7. Select Dispense setting.
8. Fill out the form and click "Add"

*Note: Lubrication devices can be added ONLY within Asset nodes

Add as many Devices as required following the steps above.

The screenshot shows the SKF Lubrication Cloud dashboard with a sidebar on the left containing a tree view of organizational nodes: SKF Org, Your site, Your plant, Your system, and Your factory floor. Under 'Your factory floor', there are two asset nodes: 'Your asset #1' and 'Your asset #2'. A modal window titled 'Add Device TLDD' is open, displaying the following form fields:

- Device ID ***: Input field containing '61GC57'. A yellow arrow points from this field to the '61FF72' ID on a lubricator cartridge image shown to the right.
- Device Name ***: Input field containing 'e.g. Floor 1 - Test Center'.
- Cartridge Size ***: Dropdown menu with 'Select Cartridge Size'.
- Lubricant ***: Dropdown menu with 'Select Lubricant'.
- Dispense Setting ***: Dropdown menu with 'Off'.

Buttons for 'Cancel' and 'Add' are at the bottom of the form. A 'Documentation' tab is visible on the right side of the modal. The top navigation bar includes 'Settings', 'Profile', 'Password change', 'Sign Out', 'English', 'SKF Org', and 'John Doe'. The footer contains '© 2024 SKF Group - All rights reserved Terms of Use Privacy Policy Help'.

6 – Adding devices

Place batteries and mount the unit to your machine

①



Screw the cartridge on the support flange

②



Place the drive unit on the grease cartridge

③



Insert the batteries in the drive unit and **screw the unit on your machine**

④



Screw the plastic cap on
Make sure the plastic cap is adjusted properly.

- When batteries are inserted in the drive unit, the LED indicator with blink red and blue, then turn blank.
- After 30 seconds, a green LED will indicate that the connection was successful.
- The lubricator will then perform an initial shot of grease, lighting up the green LED.

6 – Adding devices

View your new lubricator at Devices

Device details shows:

1. Picture of the application
2. Asset (Hierarchy and in Settings)
3. Device Settings
4. Device state and Connection
 - At the beginning, the status “No connection” is displayed because no batteries have yet been inserted in the drive unit.
 - Once the device connects it may show the "TLDD Disabled" status meaning that the device is connected and will start the lubrication cycle soon.
 - After the cycle starts, the status will change to “Normal Operation” (may take at least 1 hour to issue the first lubricant dispense).

1. Event Log
 - You'll be able to see the status history of the device.

The screenshot displays the SKF Lubrication Cloud interface. The top navigation bar includes the SKF logo, 'Lubrication Cloud', and user options like 'Settings', 'Profile', 'Password change', and 'Sign Out'. The left sidebar shows a hierarchical asset structure: SKF Lubrication (Organization) > Netherlands Site > Sweden Site > Factory Gothenburg Plant > Floor 1 System > Milling Machines Organization > test asset Asset > LS-01 - Machine #1 Asset. The main content area is titled 'Shaft NDE' and shows a 'Connection' status of 'Excellent Signal' and 'Normal operation'. Below this is an 'Event log' section. The 'Device Information' section displays: Device ID: 67EC93, Device Type: TLDD, Gateway ID: DR68YM80, Lubricant: SKF: LHMT 68, Lubricant left: 87% (23 weeks), Cartridge size: 125, and Dispense Settings: 6 Months. The 'Device Settings' section includes fields for Device Name (Shaft NDE), Lubricant (SKF: LHMT 68), Dispense Setting (6 Months), Assigned to Asset (LS-01 - Machine #1), and Cartridge Size (125). A 'Save' button is located at the bottom right of the settings section. A 'Delete device' button is visible in the top right corner of the device details view.

6 – Adding devices



Congratulations, you connected your first lubricator to your Asset!

Asser Overview

Device Overview

The Asset Overview dashboard shows a hierarchical tree on the left with the following structure:

- SKF Lubrication Organization
 - Netherlands Site
 - Sweden Site
 - Factory Gothenburg Plant
 - Floor 1 System
 - Milling Machines Organization
 - test asset Asset
 - LS-01 - Machine #1 Asset
 - LS-02 - Machine #2 Asset
 - Brazil Site
 - Wind Farm Plant
 - Wind Turbine #1 System
 - Windfarm Brazil - Generator Asset

The main content area displays a summary of 6 total devices with 4 OK, 0 Warning, 0 Error, 1 Off, and 1 No connection. Below this is a table of assets:

Node Name	Device Status
Electrical cabinet left	0 OK, 0 Warning, 0 Error, 0 Off, 0 No connection
LS-01 - Machine #1	2 OK, 2 Warning, 0 Error, 0 Off, 0 No connection
LS-02 - Machine #2	0 OK, 0 Warning, 0 Error, 0 Off, 0 No connection
test asset	0 OK, 0 Warning, 0 Error, 0 Off, 0 No connection
Windfarm Brazil - Generator	2 OK, 1 Warning, 0 Error, 0 Off, 1 No connection
Gateway Devices	2 OK, 1 Warning, 0 Error, 0 Off, 1 No connection

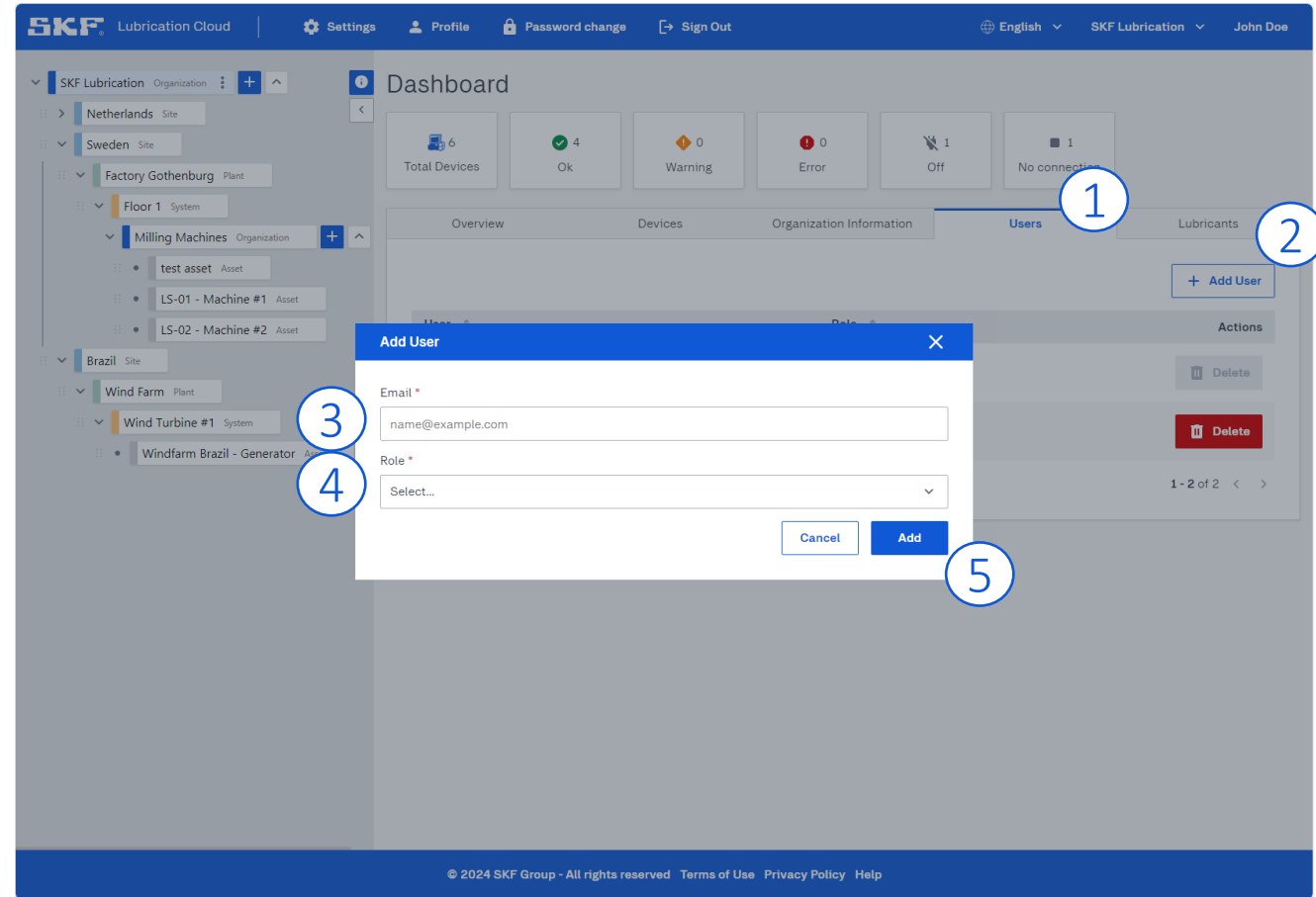
The Device Overview dashboard shows the same hierarchical tree on the left. The main content area displays a summary of 6 total devices with 4 OK, 0 Warning, 0 Error, 1 Off, and 1 No connection. Below this is a table of devices:

Status	Name	ID	Device Type	Fill Level	Lubricant Left	Actions
TLDD Disabled	Lubrication Point 1	61FD35	TLDD	73 %	N/A	Delete
Normal operation	Shaft NDE	67EC93	TLDD	87 %	23 weeks	Delete
Normal operation	Generator NDE	60JC53	TLDD	69 %	30 weeks	Delete
Normal operation	LMK Main Bearing	11AA22	TLDD	46 %	2 weeks	Delete
Device not connected	my GW 2	WP70PD44	TLDD-Gateway	N/A	N/A	Delete
Normal operation	Gateway #1	DR68YM60	TLDD-Gateway	N/A	N/A	Delete

7 – Inviting Users to an Organization

Invitees can be added to an organization:

1. Go to your Organization “User” tab
2. Click on + Add User
3. Type the invitees e-mail address
4. Select Role
5. Add User

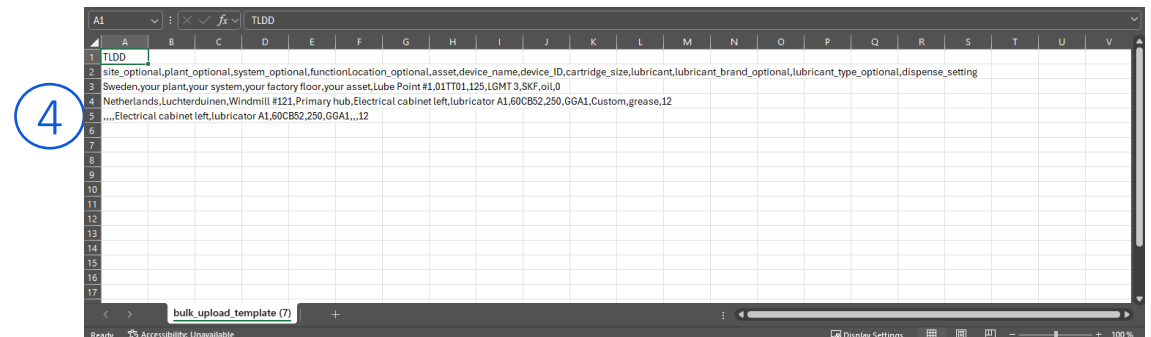
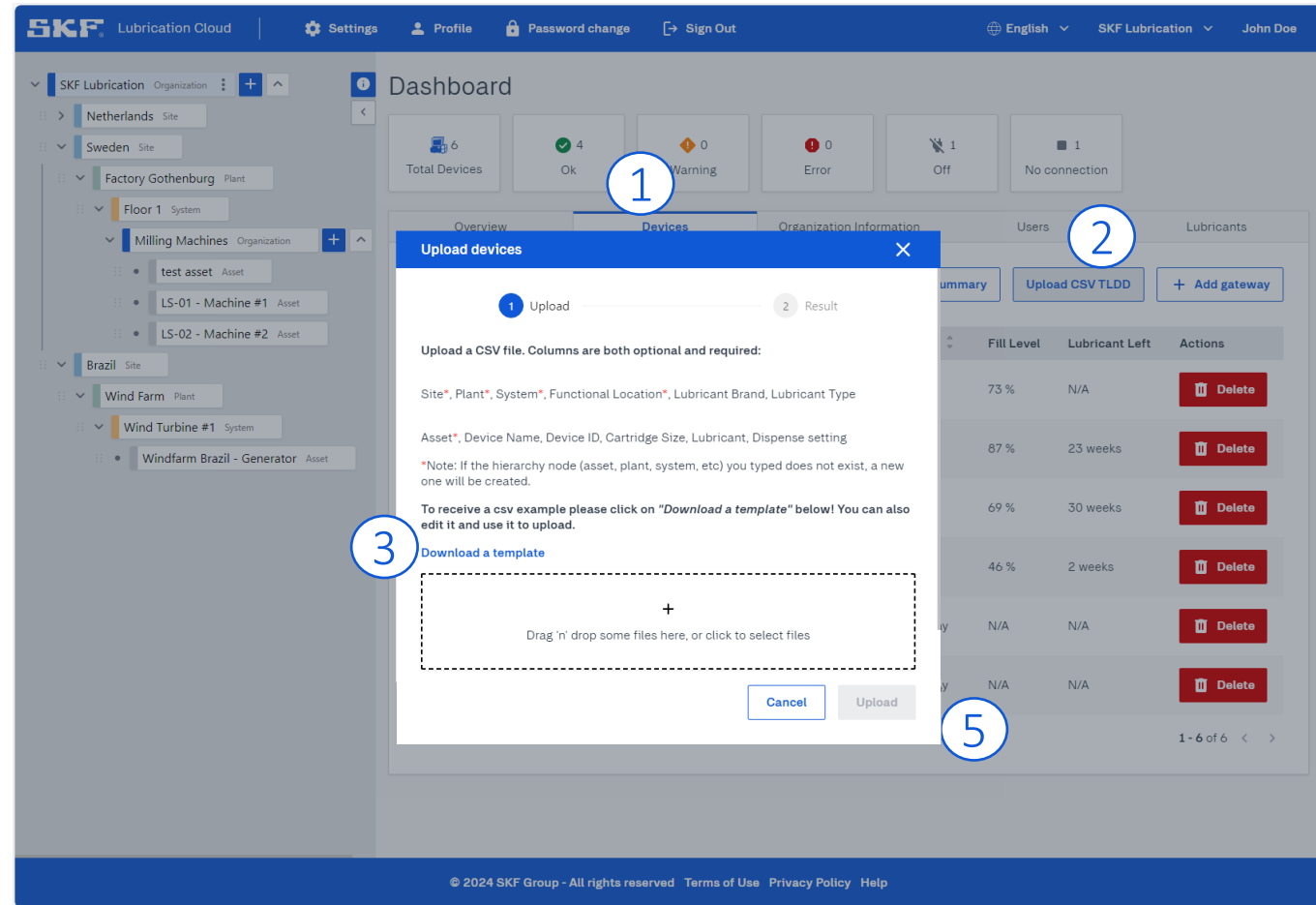


8 – Device bulk upload

With this upload, both the hierarchy tree is created and the TLDD is added to the asset.

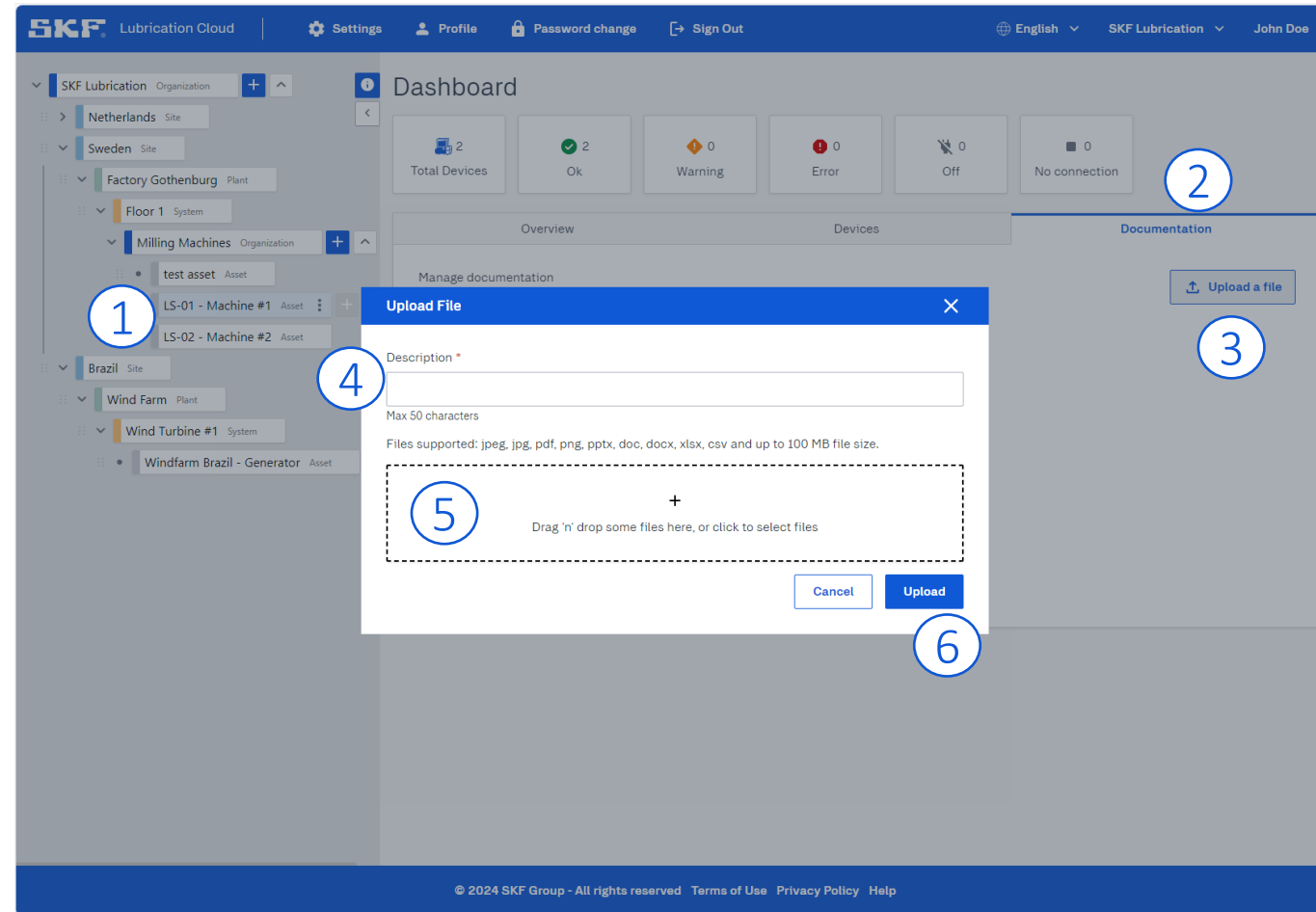
1. Go to your organization, “Devices” tab.
2. Click on “Upload CSV TLDD”
3. Download the CSV template and save it at your PC. Do not change the first 2 lines and register the asset information in the desired order.
4. In lines 3,4 and 5 you can find pre-filled examples. These can be deleted or overwritten.
5. Save the file as CSV and upload it in the Lubrication Cloud form (either by dragging and dropping or by clicking the delimited area and selecting a file via the file explorer).

Note: Currently up to 50 devices can be uploaded at a time.



9 – Asset documentation upload and download

1. Select an Asset node
2. Select the “Documentation” tab
3. Click the Upload a file button. The Upload file window appears
4. Enter a description
5. Upload a file (you drag-drop or select a file)
 - supported formats (jpeg, jpg, pdf, png, pptx, doc, docx, xlsx, and csv)
 - maximum file size is 100 MB
6. Click Upload



After the file upload is 100% completed, the File Name will display in the Manage Documentation table. The file can be downloaded or deleted after Virus Scan is completed.

File Name	Description	Date	Virus Scan	Actions
MP5479EN_TLDD_2023-04-24_LR.pdf	File upload	19.7.2024 17:30:28	CLEAN	Download Delete

10 – Email notifications and tutorials

1. Select Organization, then the click on Settings Tab
2. The General Settings has an Email notification schedule that users may modify according to their preferences, such as never, daily, weekly, and monthly.
3. Users may view available Tutorials by clicking the Start Tutorial button.

1

SKF Lubrication Cloud | Settings Profile Password change Sign Out English All Organizations John Doe

General Settings

Email notification schedule

By activating the e-mail notifications of your organization, a notification is only sent if your devices (TLDD, LMK, etc.) are in a warning or error status. The notification can be set daily, weekly or monthly. If your devices are in a good status, no notification will be sent.

SKF - Test

SKF Lubrication

Tutorials

Onboarding [▶ Start Onboarding](#)

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11 – Lubricant Management

Add Lubricants and Manufacturers

1. Go to your Organization, then to the “Lubricants” Tab
2. Click on + Add Lubricant
3. Select or create the lubricant Manufacturer Name
4. Enter a lubricant name
5. Select Type (Grease or Oil)
6. Enter a description
7. Click on “Create”

The screenshot shows the SKF Lubrication Cloud interface. The dashboard displays various metrics like Total Devices, Ok, Warning, Error, Off, and No connection. The 'Lubricants' tab is active, and the '+ Add Lubricant' button is visible. The 'Create a Lubricant' dialog box is open, showing the following fields:

- Brand: New Brand (dropdown)
- Name: (text input, Max 40 characters)
- Type: Select... (dropdown, Choose a type of lubricant)
- Description: (text input, Max 50 characters)

The 'Create' button is highlighted with a red circle. The background shows a list of existing lubricants with columns for Brand, Name, Type, and Description.

Brand	Name	Type	Description	Actions
SKF	LGHP 2	Grease	High performance, high temperature grease (deprecated, use LGHQ 2)	Edit Delete
SKF	LGEV 2	Grease	Extremely high viscosity grease with solid lubricants	Edit Delete
SKF	LHMT 68	Oil	--	Edit Delete

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