HARNESS AND LOADBOX HUB

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1. Introduction

The Harness & Loadbox Hub is an internal system used to request fabrication of wiring harnesses, loadboxes, loads, and related items.

This guide explains everything a requester and admin needs to know, from logging in to submitting new requests tracking progress and delivering.

2. Harness & Loadbox Hub

https://sgp-v-002c1.sgp.apac.bosch.com:5001/

3. Getting Started (All Users)

3.1. Registration

1. Open the application in your browser.
2. In the bottom-left sidebar, click "Login / Register".
3. Click "Create New ID".
4. Enter your Full Name, NT ID (e.g. ABC7KOR), Email, and a Password.
5. Click Register. You can now log in.

3.2. Logging In

1. Click "Login / Register" in the sidebar.
2. Enter your NT ID and Password.
3. Click Login.

Note: *Once logged in, your Name and Email will automatically fill when you create new requests.*

4. User Guide for Requestors

4.1. How to Create a Request

1. Click the blue "Create New Request" button at the top right.
2. Project Name: Enter the project code or name.
3. Work Type: Select "New Work" (standard) or "Re-Work" (modifications).
4. Mapping Sheet: Click "Choose File" to upload your Excel mapping sheet.
   Requirement: This is mandatory for Harness and Loadbox requests.
5. Wire Length: If ordering a Harness, specify the length (e.g., "5m").
6. Add Products:
   - Select a Product (e.g., Loadbox, Wiring Harness).
   - Enter Quantity and Delivery Date.
   - Click "Add Product" to add more items to the same request.
7. Submit: Click the button at the bottom. This will draft an email in Outlook for you to send to the team.

4.2. Tracking Your Request

Active Requests Tab: Shows all ongoing work.

Status Colors:

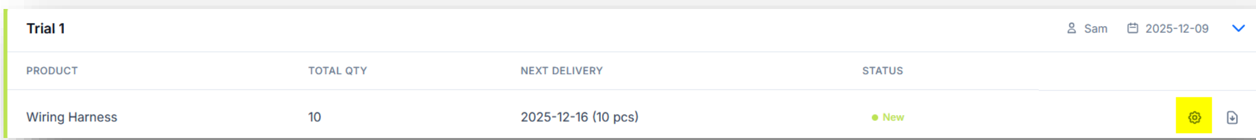
- 🟡 Waiting for Confirmation → Admin is reviewing inventory.
- 🟢 New → Accepted and in queue.
- 🔵 In Progress → Currently being built.
- 🔴 Overdue → Delivery date has passed.

Search: Use the search bar to find requests by Project Name or Product.

4.3. Communication & Changes (Timeline)

If you need to change a delivery date or upload a corrected mapping sheet:

1. Click the Settings Icon ( ) on your request card.



2. Look at the Chat/Timeline on the right side.
3. Type your message (e.g., "Please prioritize this unit").
4. To Upload a New File:
   - Click the Clip Icon and select the new file.
   - Important: If this is a corrected mapping sheet, check the box "This file replaces the current Mapping Sheet". This ensures the team uses the new file for building. (*Also inform them regarding the change*)
5. Click the Send Arrow.

5. User Guide for Admin

5.1. Admin Login

1. Click "Login / Register".
2. Click the link "Admin Login" at the bottom of the modal.
3. Enter Admin credentials.
4. You will now see the Inventory Link in the sidebar and extra controls in the dashboard.

5.2. Processing New Requests

When a request is in "Waiting for Confirmation"

1. You will receive an email with a "Confirm Order" link.
2. Clicking the link opens the Confirmation Page.
3. Analysis: Click "Analyze Mapping Sheet". The system will scan the network to see if this design already exists (to reuse inventory).
4. Stock Check: The system automatically calculates wire/component usage.
5. Action:
    - Accept: Inventory is deducted. Status becomes "New".
    - Split: You can accept partial quantity and move the rest to a later date or external order.

5.3. Managing Active Request

1. Click the Settings Icon ( ) on a request.
2. Update Status: Click "Mark as In Progress" when work begins.
3. Update Details:
    - On the left sidebar, under "Admin Controls", you can change the Delivery Date.
    - Click Update. This change is automatically logged in the Timeline for the user to see.
4. Completing an Order:
    - Click "Complete Order".
    - Enter the quantity completed (Full or Partial).

- Click Process Completion.
- This will update the database and automatically draft an email to the user notifying them that the item is ready.

5.4. Dashboard & Analytics

- Click the Dashboard tab.
- View charts for Active Projects, Overdue Items, and Monthly Completion.
- Export: Click the "Download" icon to get a full Excel report of all jobs.

5.5. Bulk Upload

- Click "Bulk Upload" in the header.
- Download the template.
- Fill in historical completed jobs.
- Upload the file to add them to the database without triggering emails.

6. Troubleshooting

Issue	Solution
"User not found" on Login	Ensure you have registered first. Registration is separate from your Windows login.
Mail not opening	Ensure you have a default email client (Outlook) set up on your PC. Allow browser popups if prompted.
Diagram is blank	The uploaded Mapping Sheet might be missing columns. Ensure columns Harting Pin, ECU Pin, and Wire Size are populated.
Inventory not deducting	Ensure the "Wire Type" in the mapping sheet exactly matches the spelling in the Inventory Excel file.