

BTS 500 & BTS 1000

Quick guide – control system

Concrete filling station BTS 500 & BTS 1000

Version 4.0



Software-Version 1.22

We are Fliegl.

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Contact

Foreword

Dear valued customer,

These operating instructions will familiarise you with the control functions of the concrete filling station. As the control software is currently still in development status, the instructions may differ from the existing control system of your concrete filling station.

Identification

Machine identification data

Manufacturer: Fliegl Agrartechnik GmbH

Product: Software-based control system
for BTS concrete filling station

Type: BTS 500 version 4.0
BTS 1000 version 4.0

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Formal details of document

Document no.: 4-314A02242.0
Version/revision: 2.0
Creation date: 23/04/2020
Last revision: 05/03/2024

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We are constantly developing and enhancing our products and therefore reserve the right to make changes to them without prior notification. This may result in differences in the illustrations and descriptions in this document.

1. User instructions

This manual provides information about the:

- Function
- Operation

of the concrete filling station's control system and ensures long, problem-free operation if it is carefully observed. Fliegl assumes no liability and honours no warranty for damage and malfunctions resulting from failure to comply with this quick guide.

1.1 Duty to inform

This quick guide is to be considered part of the control system of the concrete filling station. If the machine is passed on to another party by the customer, this guide must also be passed on, and the party receiving the machine must be instructed regarding the regulations specified above.

1.2 Liability and damages

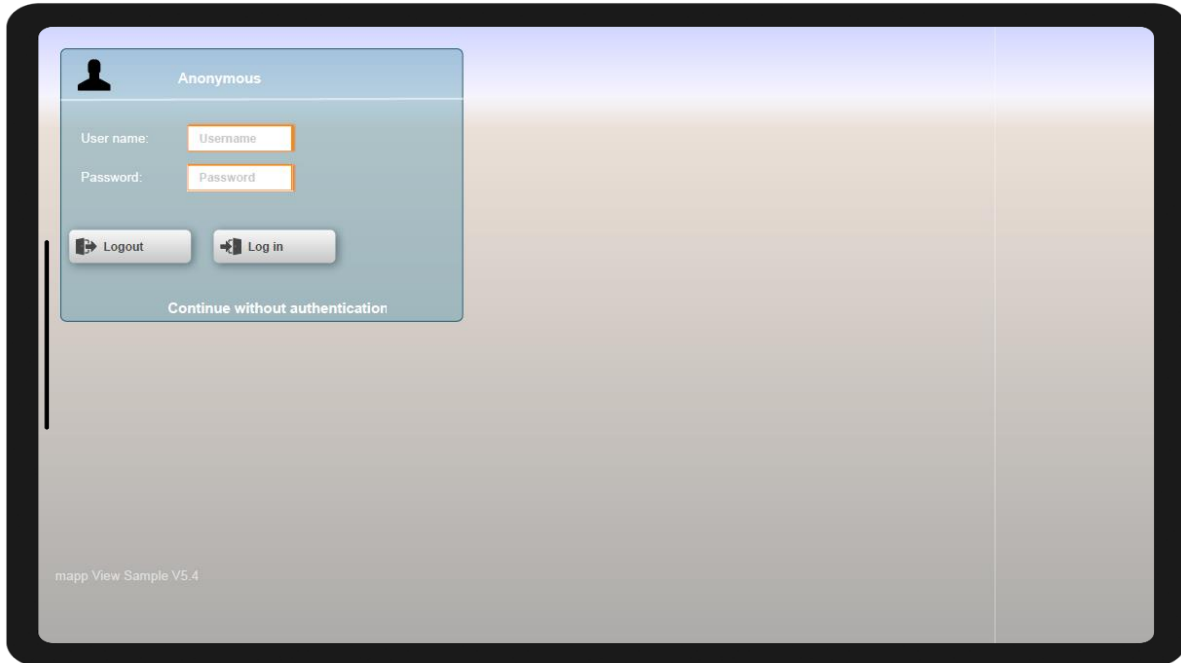
The product must only be operated by persons who are familiar with the instructions and the product along with the national laws, directives and regulations relating to occupational health and safety as well as accident prevention. We accept no liability for personal injury or material damage caused, or contributed to, by untrained persons due to non-compliance with regulations regarding occupational health and safety as well as accident prevention. Based on the specifications in these instructions, Fliegl Agrartechnik GmbH assumes no liability for direct or consequential damage attributable to improper operation or maintenance. Fliegl Agrartechnik GmbH assumes no liability for the use of other products and any resulting damage. No claims for modification of delivered products can be made on the basis of the information, images and descriptions provided in this manual.

1.3 Note regarding data specifications

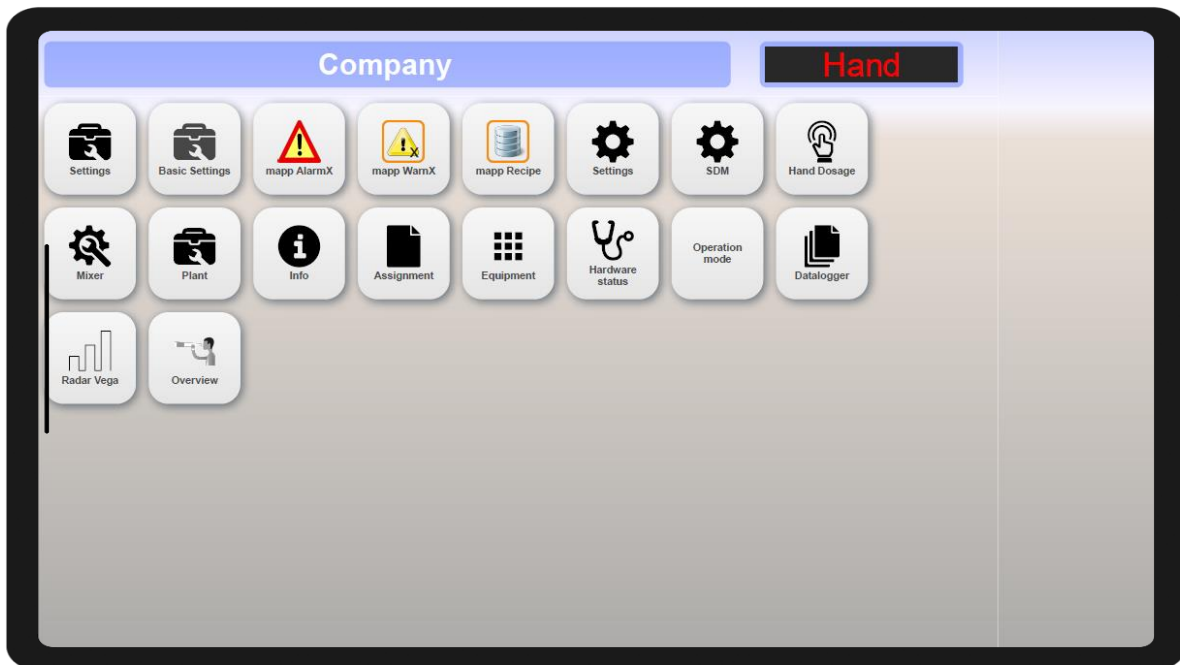
The values shown in the screenshots in this guide are **fictitious values** and may differ from your system.

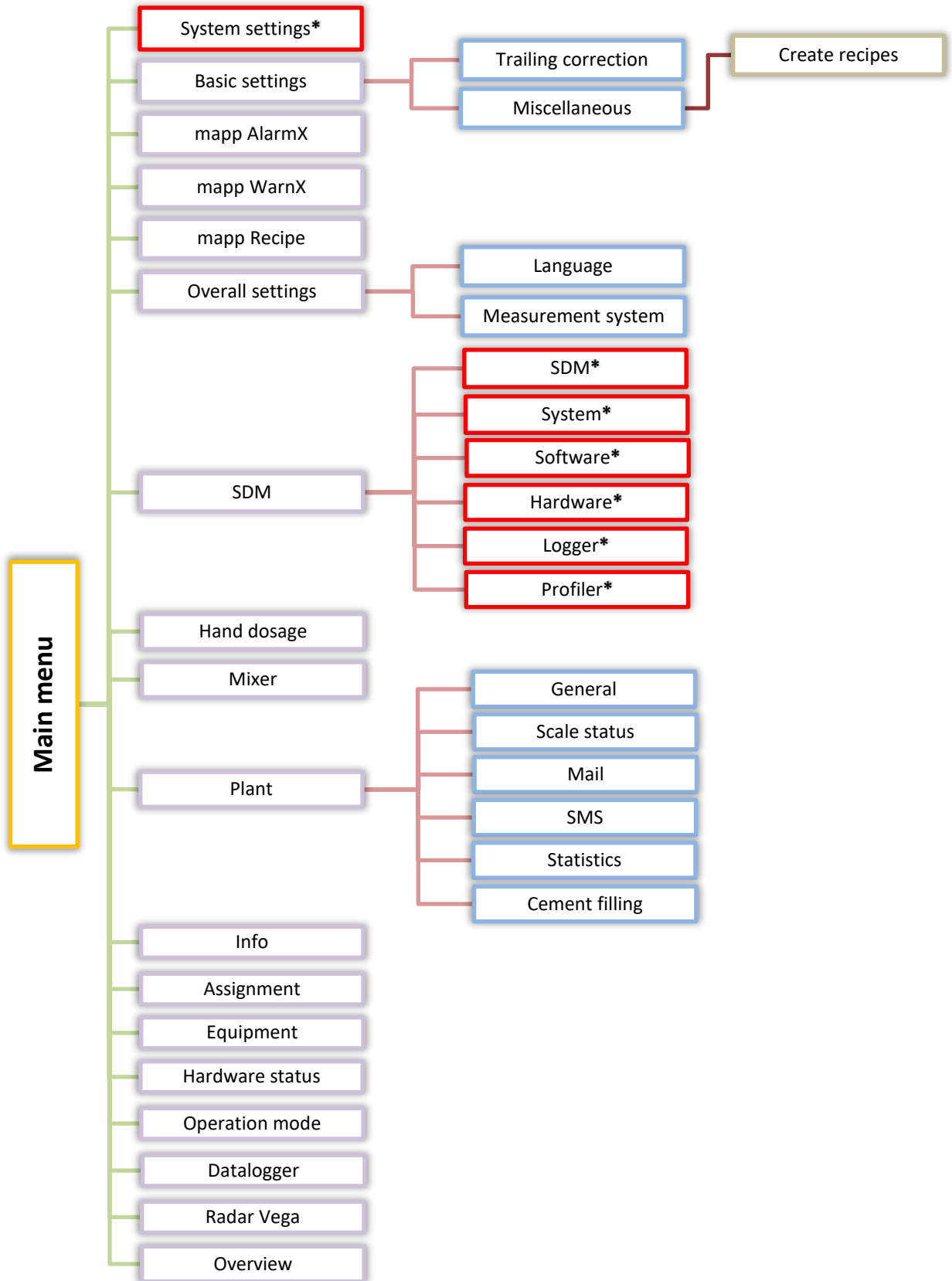
2. Control system

2.1 Start page



2.2 Main menu and folder structure



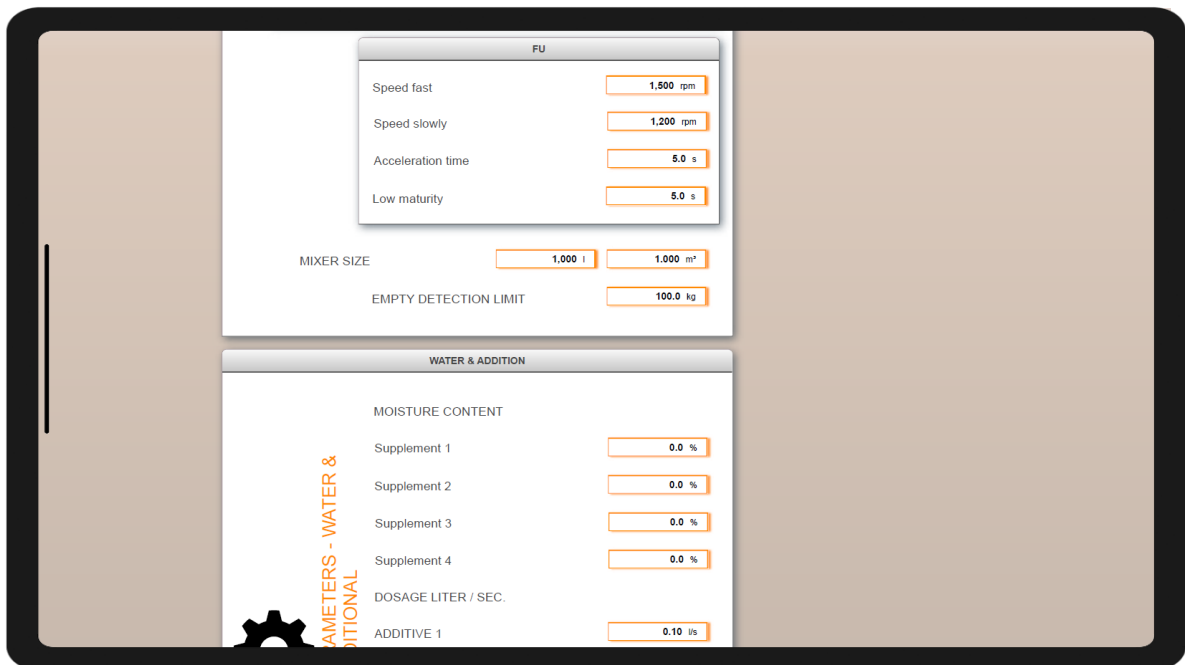
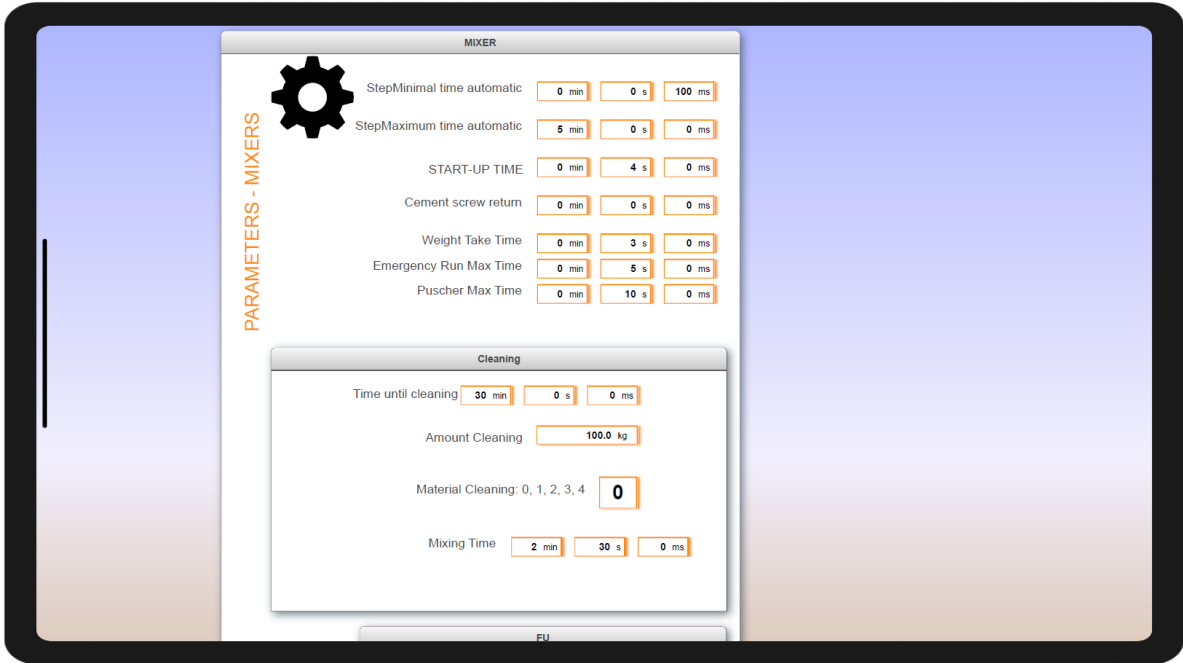


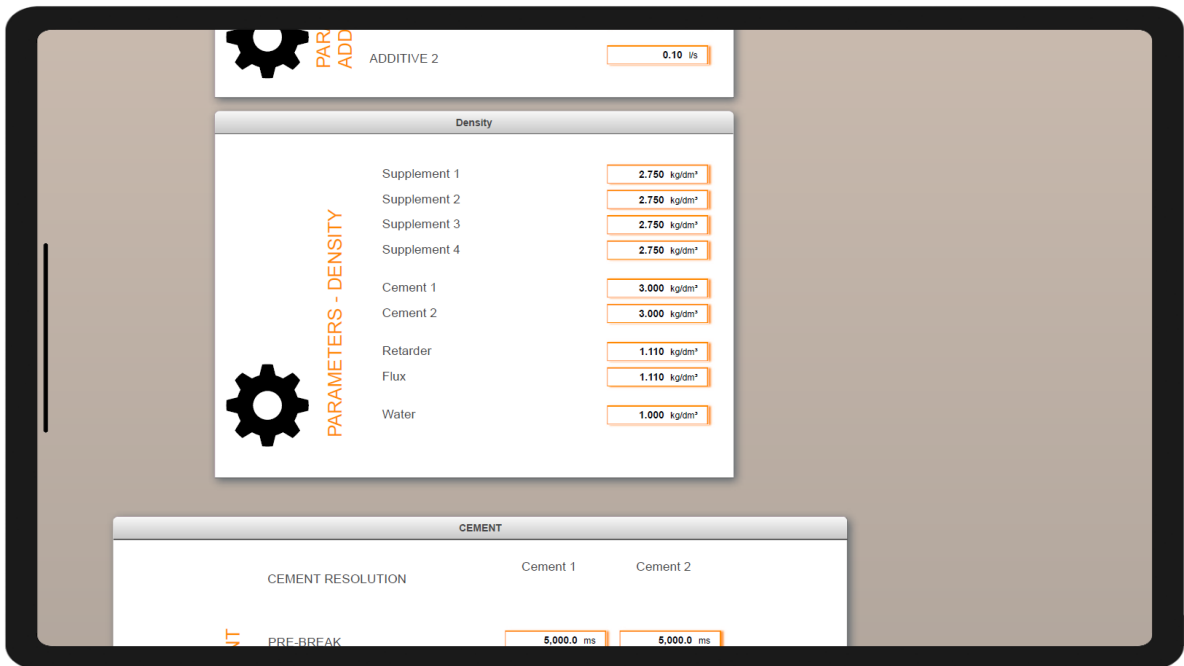
* Settings must only be changed by or with the authorisation of customer service!

2.3 Menu: System settings

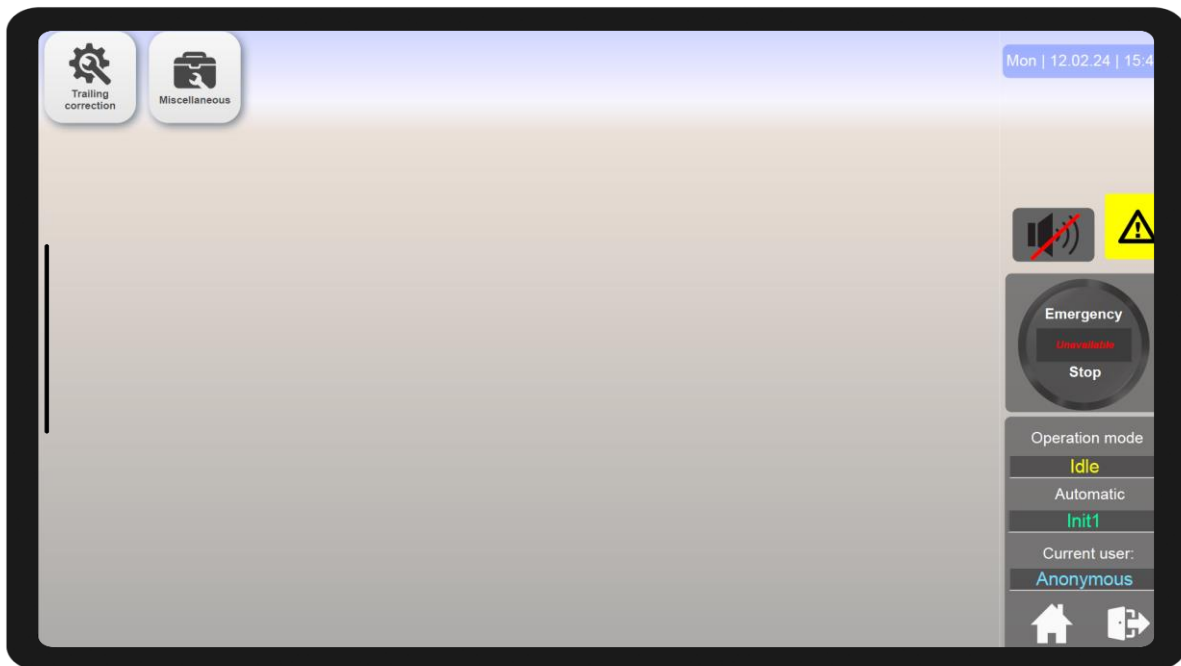


Settings must only be changed by or with the authorisation of customer service!

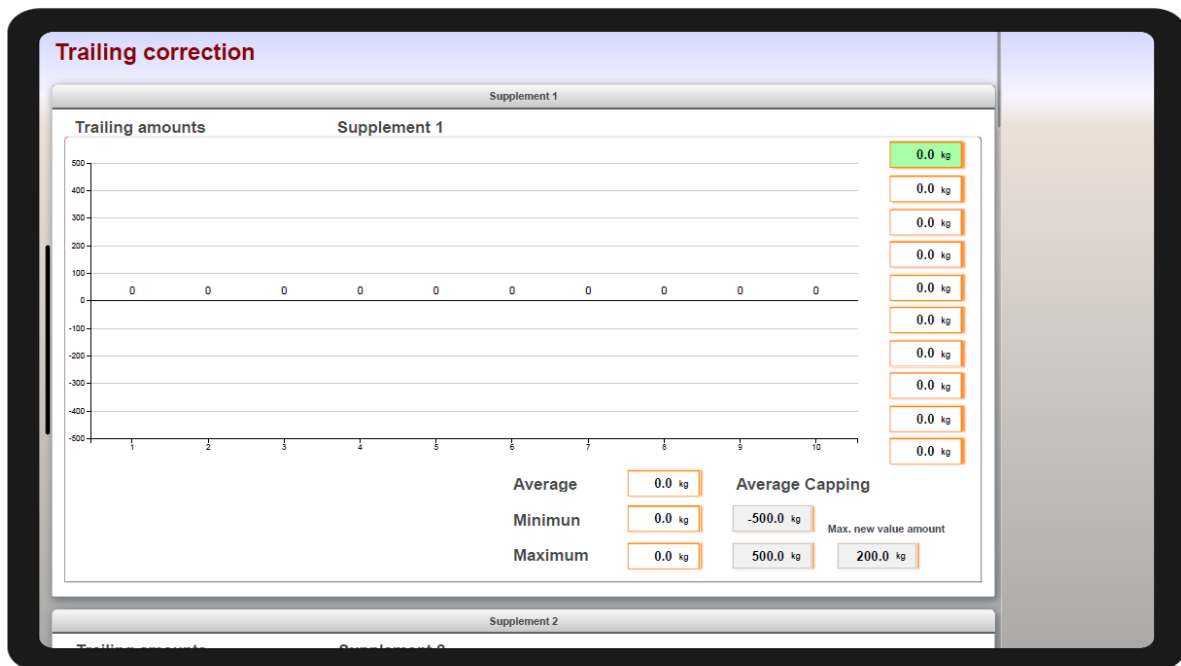


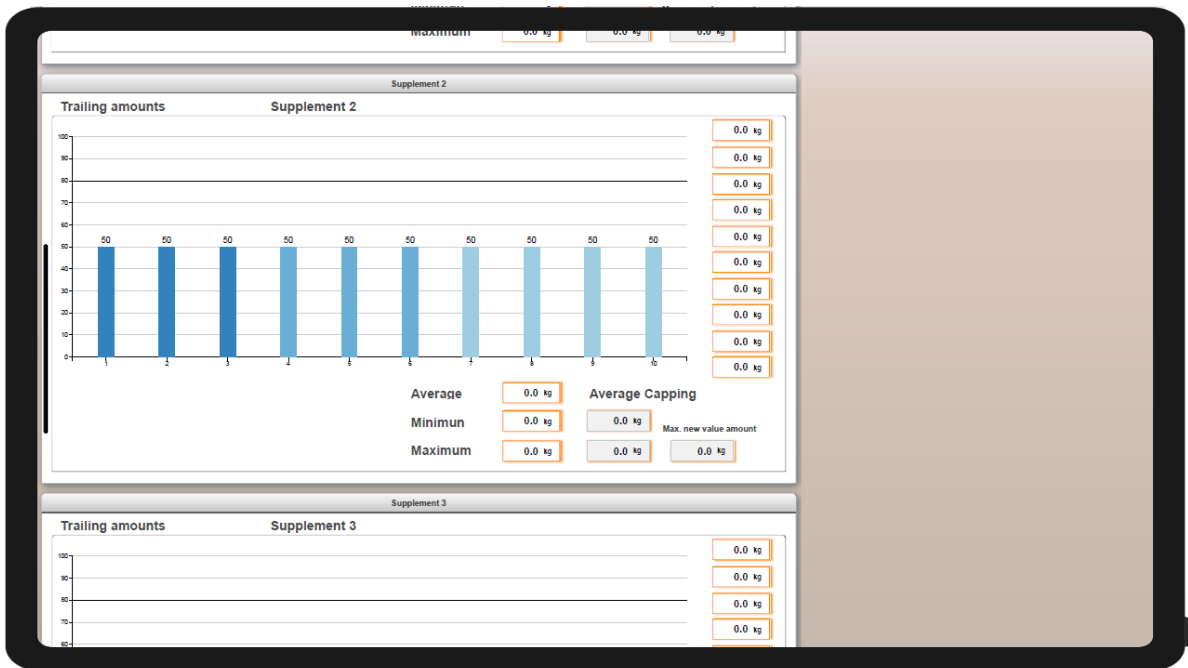


2.4 Menu: Basic settings



2.4.1 Submenu: Trailing correction

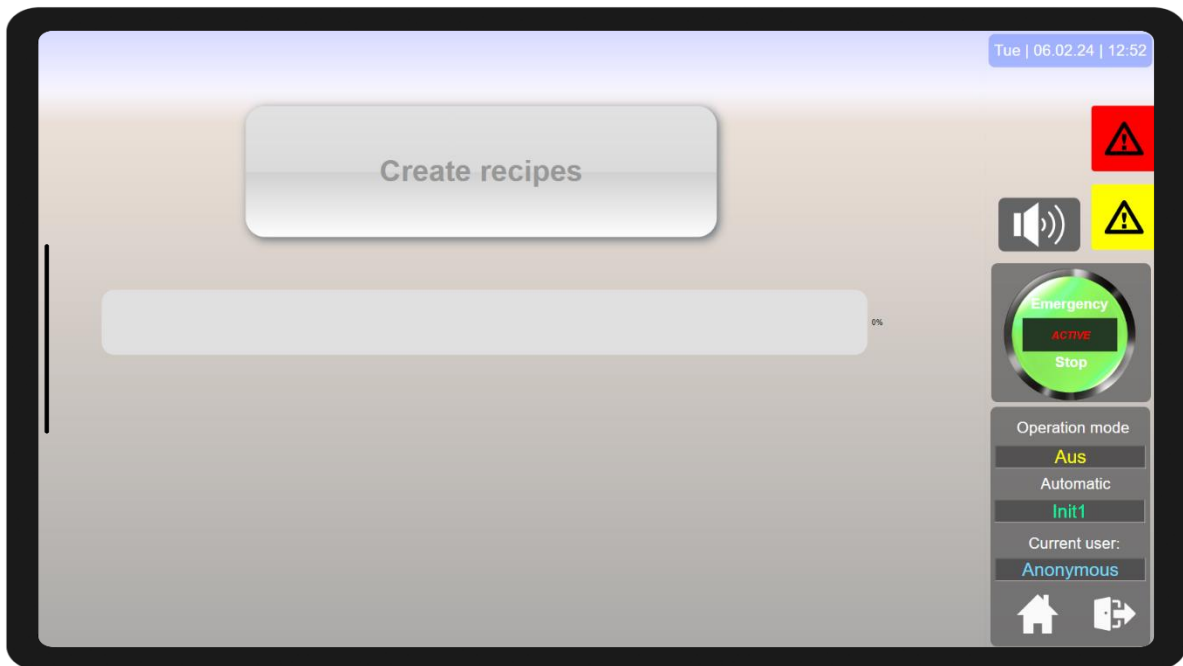




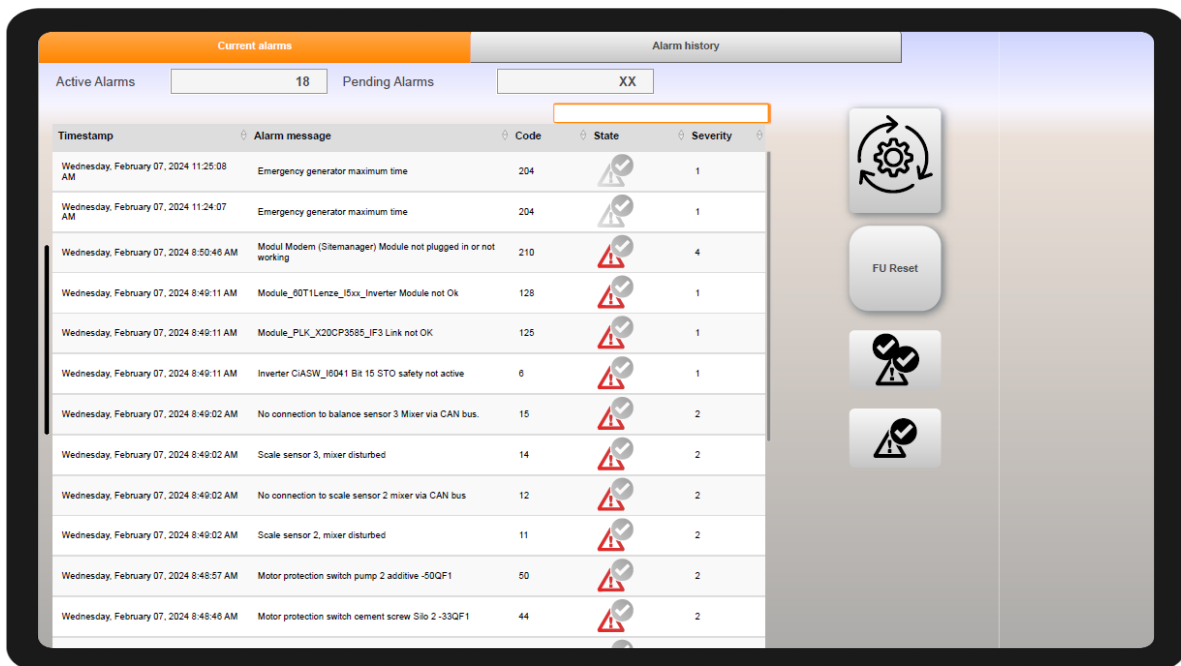




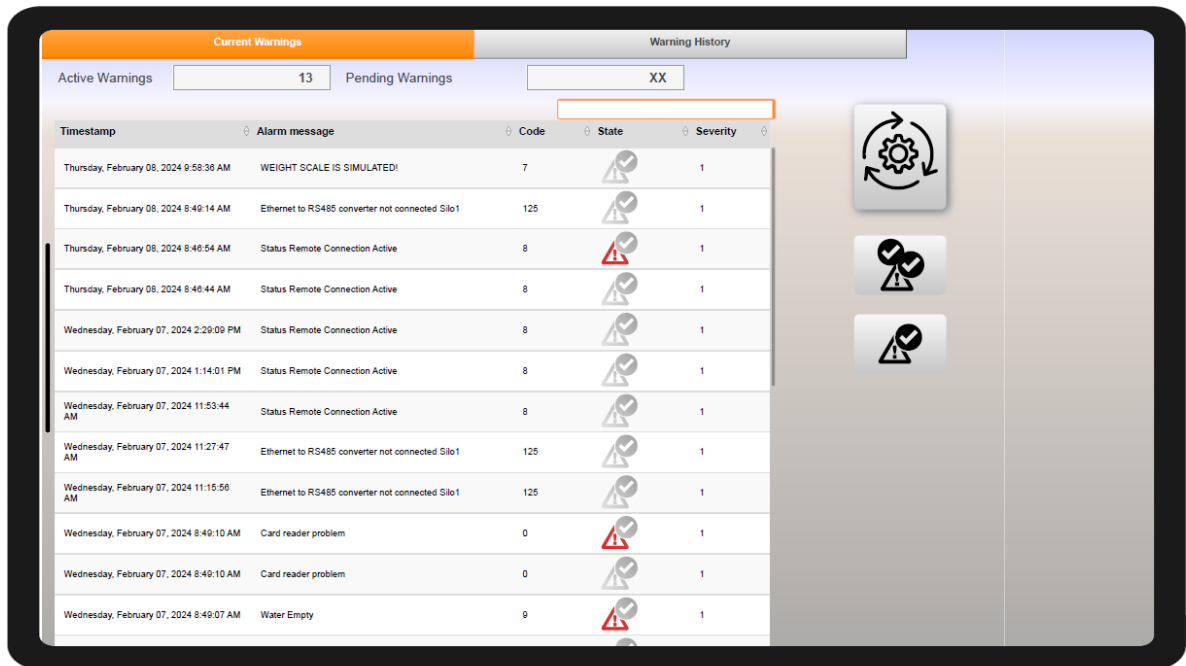
2.4.2 Submenu: Miscellaneous – Create recipes



2.5 Menu: mapp AlarmX



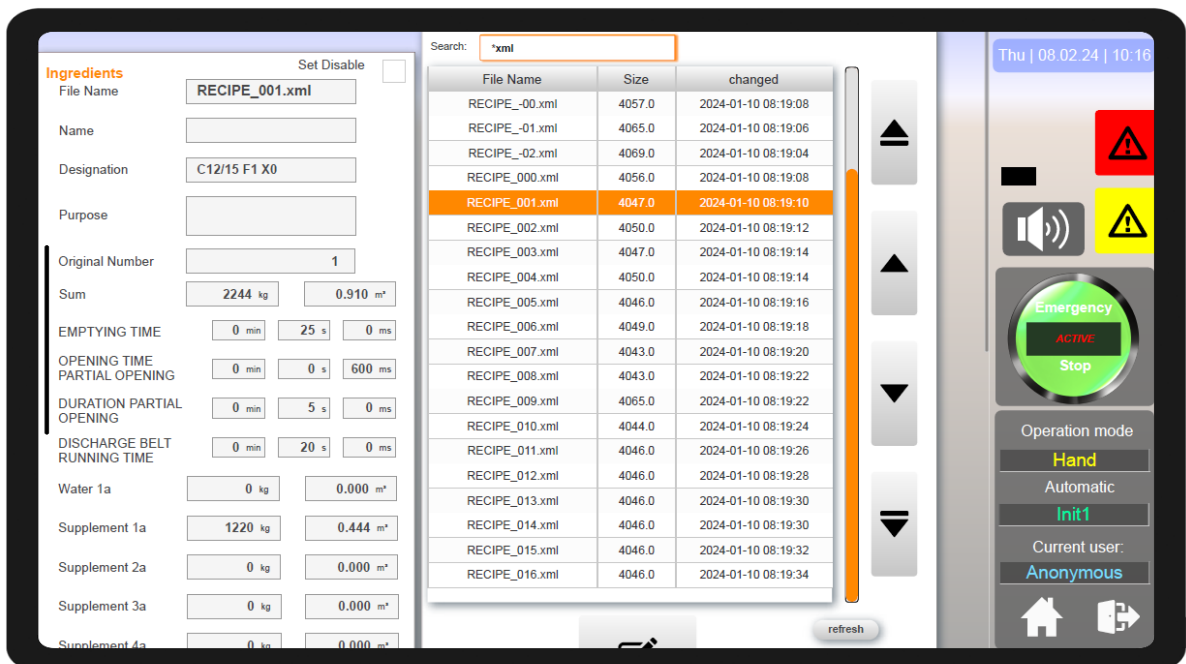
2.6 Menu: mapp WarnX



The screenshot displays the 'Current Warnings' section of the mapp WarnX interface. It features a table with columns for Timestamp, Alarm message, Code, State, and Severity. There are 13 active warnings and XX pending warnings. The table lists various issues such as 'WEIGHT SCALE IS SIMULATED!', 'Ethernet to RS485 converter not connected Silo1', and 'Status Remote Connection Active'.

Timestamp	Alarm message	Code	State	Severity
Thursday, February 08, 2024 9:58:36 AM	WEIGHT SCALE IS SIMULATED!	7		1
Thursday, February 08, 2024 8:49:14 AM	Ethernet to RS485 converter not connected Silo1	125		1
Thursday, February 08, 2024 8:46:54 AM	Status Remote Connection Active	8		1
Thursday, February 08, 2024 8:46:44 AM	Status Remote Connection Active	8		1
Wednesday, February 07, 2024 2:29:09 PM	Status Remote Connection Active	8		1
Wednesday, February 07, 2024 1:14:01 PM	Status Remote Connection Active	8		1
Wednesday, February 07, 2024 11:53:44 AM	Status Remote Connection Active	8		1
Wednesday, February 07, 2024 11:27:47 AM	Ethernet to RS485 converter not connected Silo1	125		1
Wednesday, February 07, 2024 11:15:56 AM	Ethernet to RS485 converter not connected Silo1	125		1
Wednesday, February 07, 2024 8:49:10 AM	Card reader problem	0		1
Wednesday, February 07, 2024 8:49:10 AM	Card reader problem	0		1
Wednesday, February 07, 2024 8:49:07 AM	Water Empty	9		1

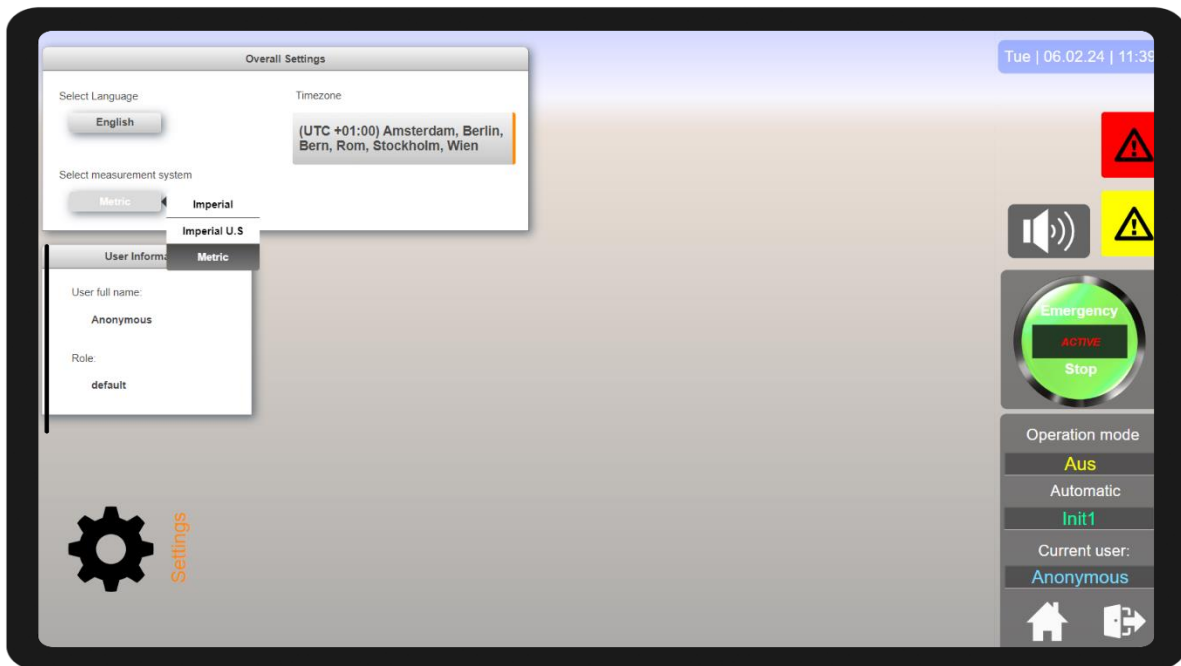
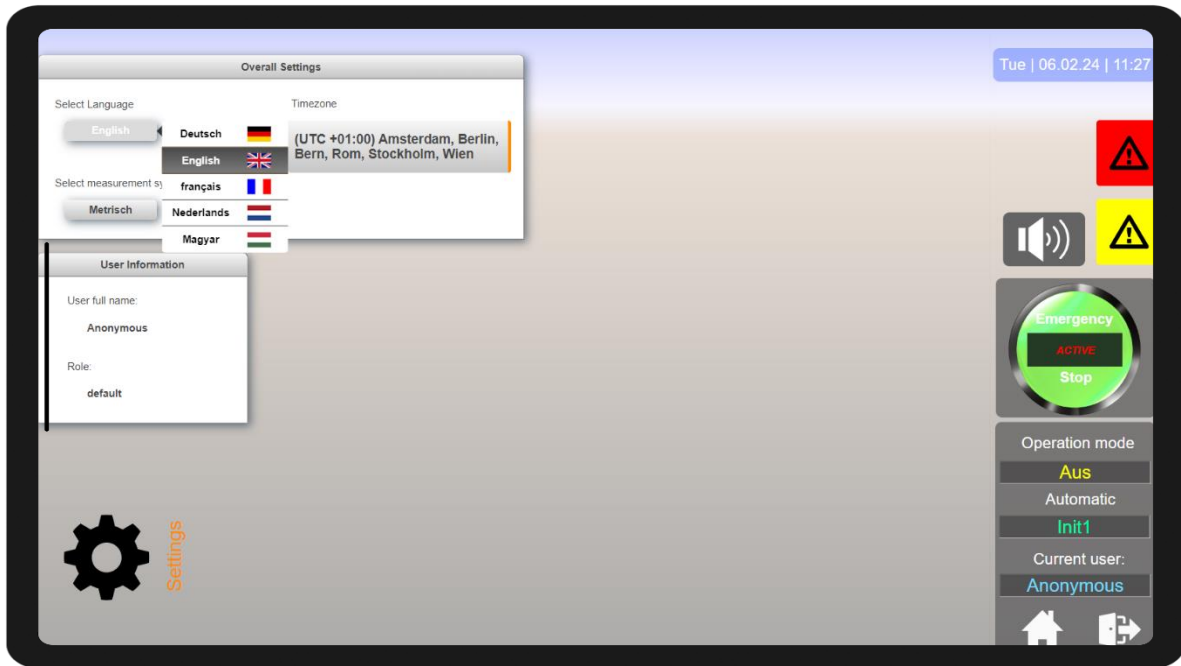
2.7 Menu: Recipe



The screenshot displays the 'Recipe' menu interface. On the left, there are input fields for recipe details: File Name (RECIPE_001.xml), Name, Designation (C12/15 F1 X0), Purpose, Original Number (1), and various time settings (EMPTYING TIME, OPENING TIME, etc.). On the right, there is a table listing recipe files with columns for File Name, Size, and changed date. The file RECIPE_001.xml is highlighted. Below the table is a 'refresh' button. On the far right, there is a control panel with an 'Emergency Stop' button, a speaker icon, and a 'Operation mode' selector set to 'Hand'.

File Name	Size	changed
RECIPE_00.xml	4057.0	2024-01-10 08:19:08
RECIPE_01.xml	4065.0	2024-01-10 08:19:06
RECIPE_02.xml	4069.0	2024-01-10 08:19:04
RECIPE_000.xml	4056.0	2024-01-10 08:19:08
RECIPE_001.xml	4047.0	2024-01-10 08:19:10
RECIPE_002.xml	4050.0	2024-01-10 08:19:12
RECIPE_003.xml	4047.0	2024-01-10 08:19:14
RECIPE_004.xml	4050.0	2024-01-10 08:19:14
RECIPE_005.xml	4046.0	2024-01-10 08:19:16
RECIPE_006.xml	4049.0	2024-01-10 08:19:18
RECIPE_007.xml	4043.0	2024-01-10 08:19:20
RECIPE_008.xml	4043.0	2024-01-10 08:19:22
RECIPE_009.xml	4065.0	2024-01-10 08:19:22
RECIPE_010.xml	4044.0	2024-01-10 08:19:24
RECIPE_011.xml	4046.0	2024-01-10 08:19:26
RECIPE_012.xml	4046.0	2024-01-10 08:19:28
RECIPE_013.xml	4046.0	2024-01-10 08:19:30
RECIPE_014.xml	4046.0	2024-01-10 08:19:30
RECIPE_015.xml	4046.0	2024-01-10 08:19:32
RECIPE_016.xml	4046.0	2024-01-10 08:19:34

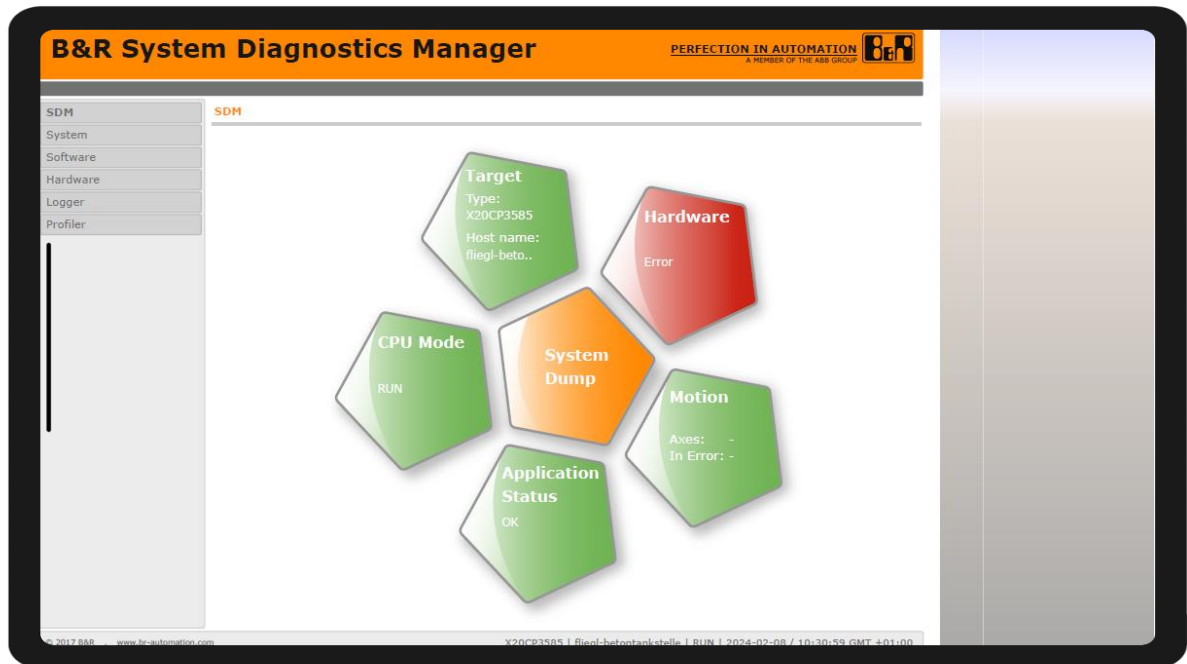
2.8 Menu: Overall settings



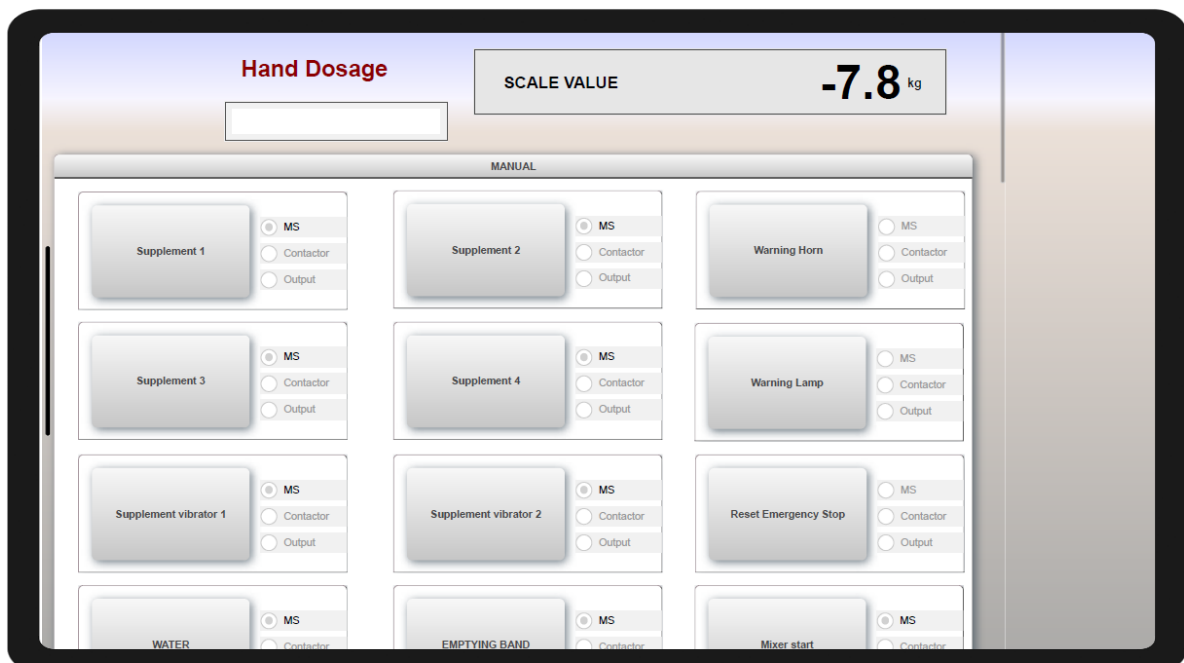
2.9 Menu: System Diagnostics Manager SDM



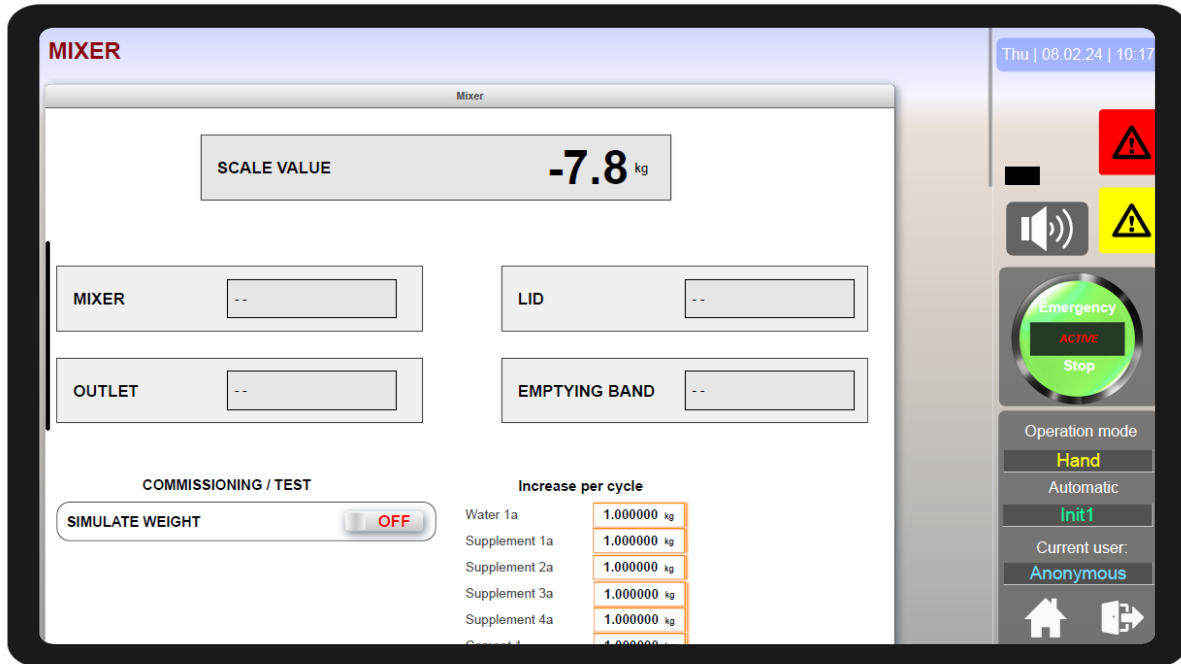
Settings must only be changed by or with the authorisation of customer service!
The customer only has to check whether the messages are displayed in green.



2.10 Menu: Hand dosage



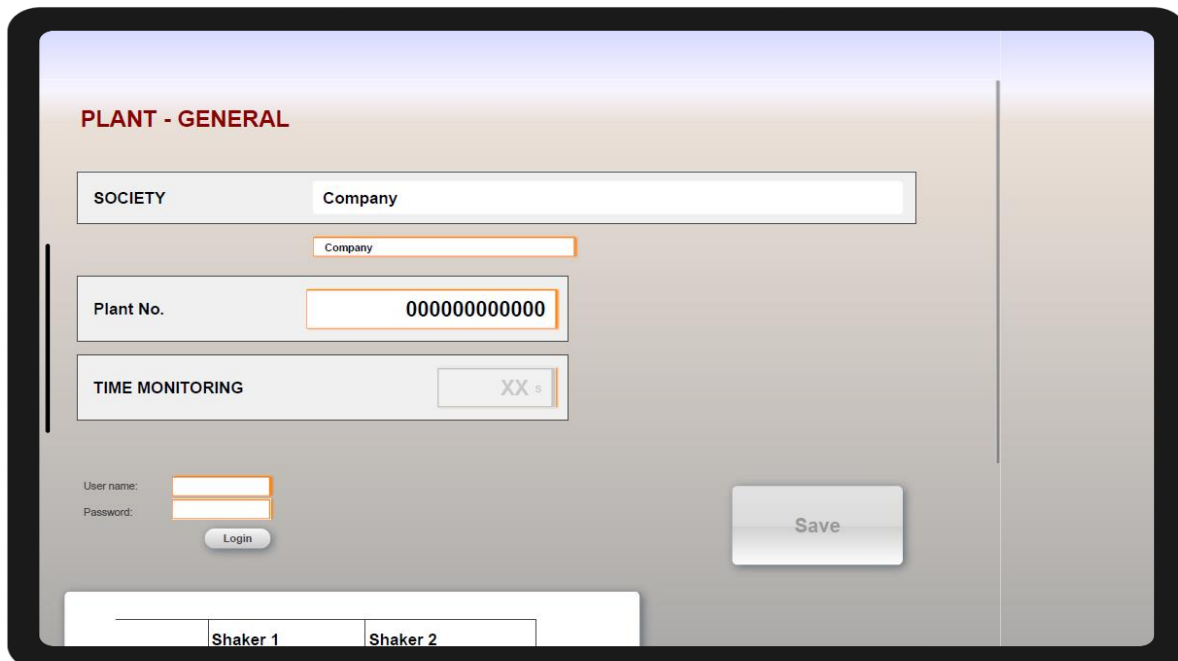
2.11 Menu: Mixer



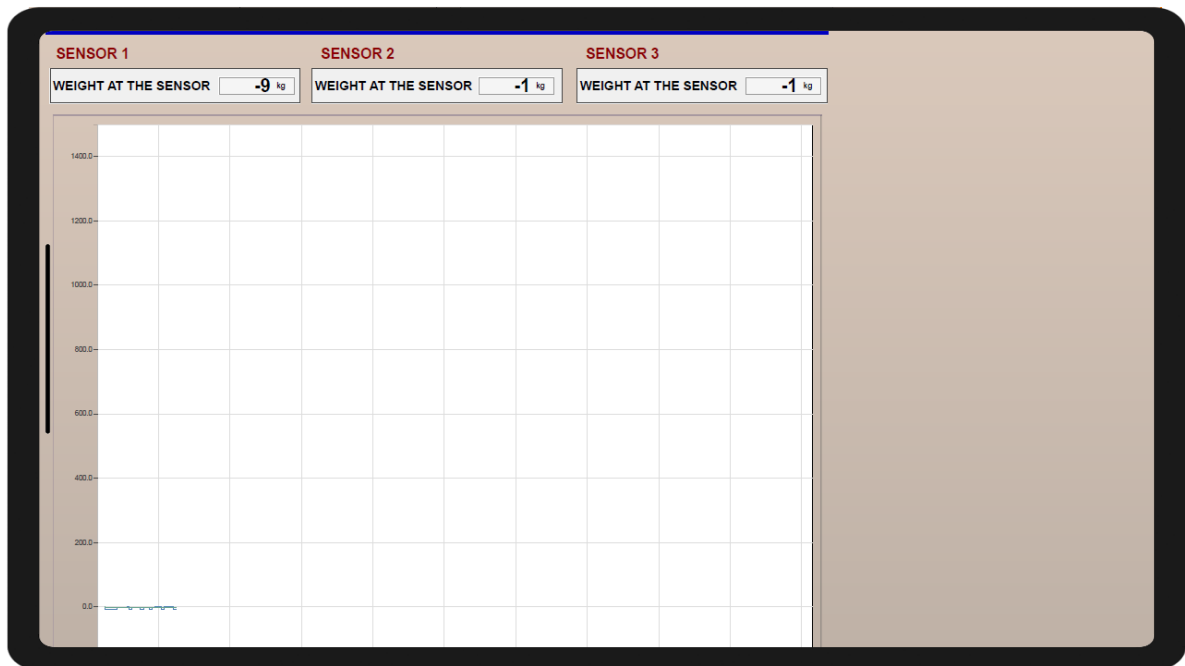
2.12 Menu bar: PLANT

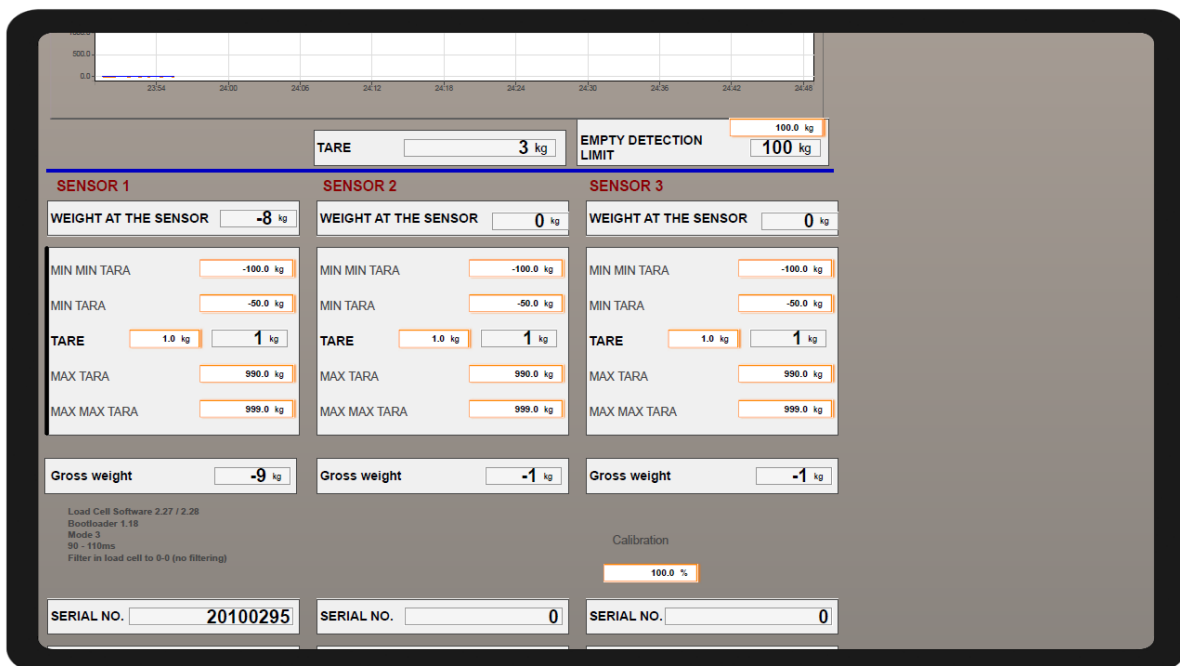
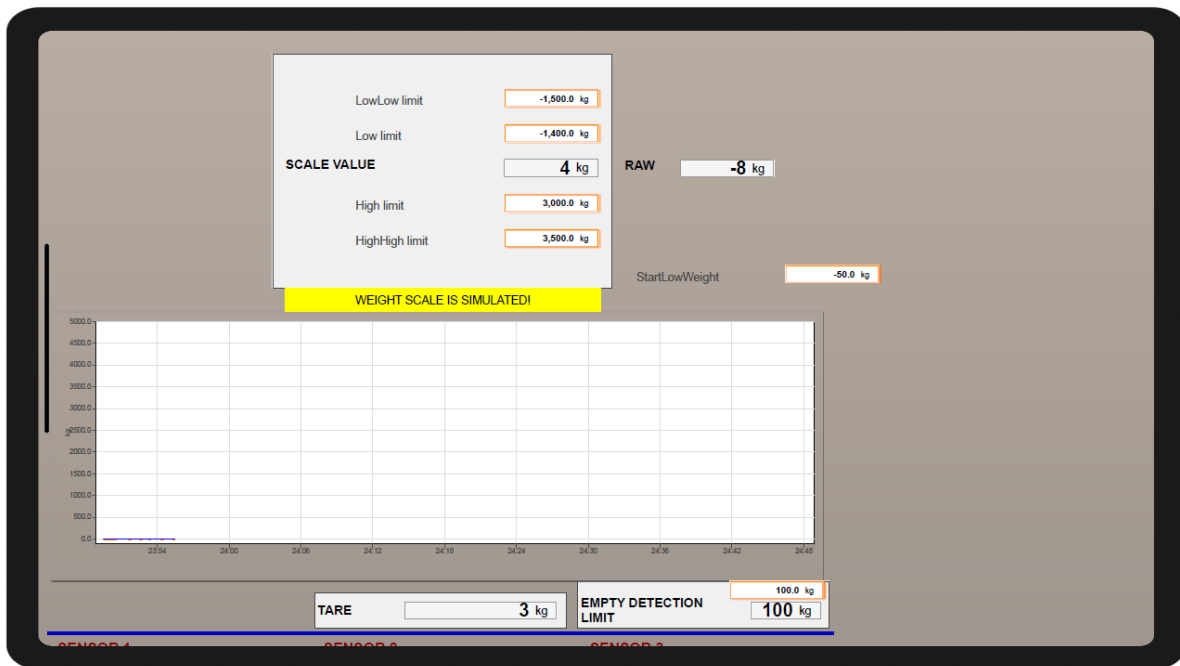


2.12.1 Submenu: General



2.12.2 Submenu: Status scale





90 - 110ms
Filter in load cell to 0-0 (no filtering)

100.0 %

SERIAL NO. <input type="text" value="20100295"/>	SERIAL NO. <input type="text" value="0"/>	SERIAL NO. <input type="text" value="0"/>
HW / SW Version 4.0 / 2.27	HW / SW Version 0.0 / 0.0	HW / SW Version 0.0 / 0.0
SEND CYCLE CAN BUS <input type="text" value="101 ms"/>	SEND CYCLE CAN BUS <input type="text" value="0 ms"/>	SEND CYCLE CAN BUS <input type="text" value="0 ms"/>

Cell 1 State	Cell 2 State	Cell 3 State
<input type="radio"/> TEMPUR Temperature below range	<input type="radio"/> TEMPUR Temperature below range	<input type="radio"/> TEMPUR Temperature below range
<input type="radio"/> TEMPOR Temperature over range	<input type="radio"/> TEMPOR Temperature over range	<input type="radio"/> TEMPOR Temperature over range
<input type="radio"/> ECOMUR Strain gauge input under range	<input type="radio"/> ECOMUR Strain gauge input under range	<input type="radio"/> ECOMUR Strain gauge input under range
<input type="radio"/> ECOMOR Strain gauge input over range	<input type="radio"/> ECOMOR Strain gauge input over range	<input type="radio"/> ECOMOR Strain gauge input over range
<input type="radio"/> CRAWUR Cell below the range (CRAW)	<input type="radio"/> CRAWUR Cell below the range (CRAW)	<input type="radio"/> CRAWUR Cell below the range (CRAW)
<input type="radio"/> CRAWOR Cell above the area (CRAW)	<input type="radio"/> CRAWOR Cell above the area (CRAW)	<input type="radio"/> CRAWOR Cell above the area (CRAW)
<input type="radio"/> CRC_ERROR Mode 2 CRC Error Flag	<input type="radio"/> CRC_ERROR Mode 2 CRC Error Flag	<input type="radio"/> CRC_ERROR Mode 2 CRC Error Flag
<input type="radio"/> LC_INTEG Load Cell Integrity Error	<input type="radio"/> LC_INTEG Load Cell Integrity Error	<input type="radio"/> LC_INTEG Load Cell Integrity Error

2.12.3 Submenu: Mail

PLANT - MAIL

EMAIL ADDRESSES	ALLOCATION
MAIL 1 <input type="text" value="ABC"/>	FAULT <input type="text" value="1 2 3 4 5"/>
MAIL 2 <input type="text" value="ABC"/>	LEVEL ALARM <input type="text" value="1 2 3 4 5"/>
MAIL 3 <input type="text" value="ABC"/>	STATISTICS <input type="text" value="1 2 3 4 5"/>
MAIL 4 <input type="text" value="ABC"/>	STATUS SMTP CLIENT <input type="text" value="0"/>
MAIL 5 <input type="text" value="ABC"/>	

SENT TODAY TROUBLESHOOTING TODAY

2.12.4 Submenu: SMS

CEMENT FILLING
Mon | 12.02.24 | 15:4

SMS

Names

↑

↓

SENT TODAY

TROUBLESHOOTING TODAY

ERROR ErrorReset

SMS Adresses

Receiver

de

Save
Cancel
Delete

Receiver

de

Create
Cancel

Test SMS

Emergency

Unavailable

Stop

Operation mode

Idle

Automatic

Init1

Current user:

Anonymous

Home
Refresh

2.12.5 Submenu: Statistics

PLANT - STATISTICS

RECIPE 01 <input style="width: 100px;" type="text" value="XX"/> m³	RECIPE 06 <input style="width: 100px;" type="text" value="XX"/> m³
RECIPE 02 <input style="width: 100px;" type="text" value="XX"/> m³	RECIPE 07 <input style="width: 100px;" type="text" value="XX"/> m³
RECIPE 03 <input style="width: 100px;" type="text" value="XX"/> m³	RECIPE 08 <input style="width: 100px;" type="text" value="XX"/> m³
RECIPE 04 <input style="width: 100px;" type="text" value="XX"/> m³	RECIPE 09 <input style="width: 100px;" type="text" value="XX"/> m³
RECIPE 05 <input style="width: 100px;" type="text" value="XX"/> m³	RECIPE 10 <input style="width: 100px;" type="text" value="XX"/> m³

STATISTICS DAY . 03 . 2019

SEND EVERY DAY: : o'clock

Save
SEND STATISTICS NOW

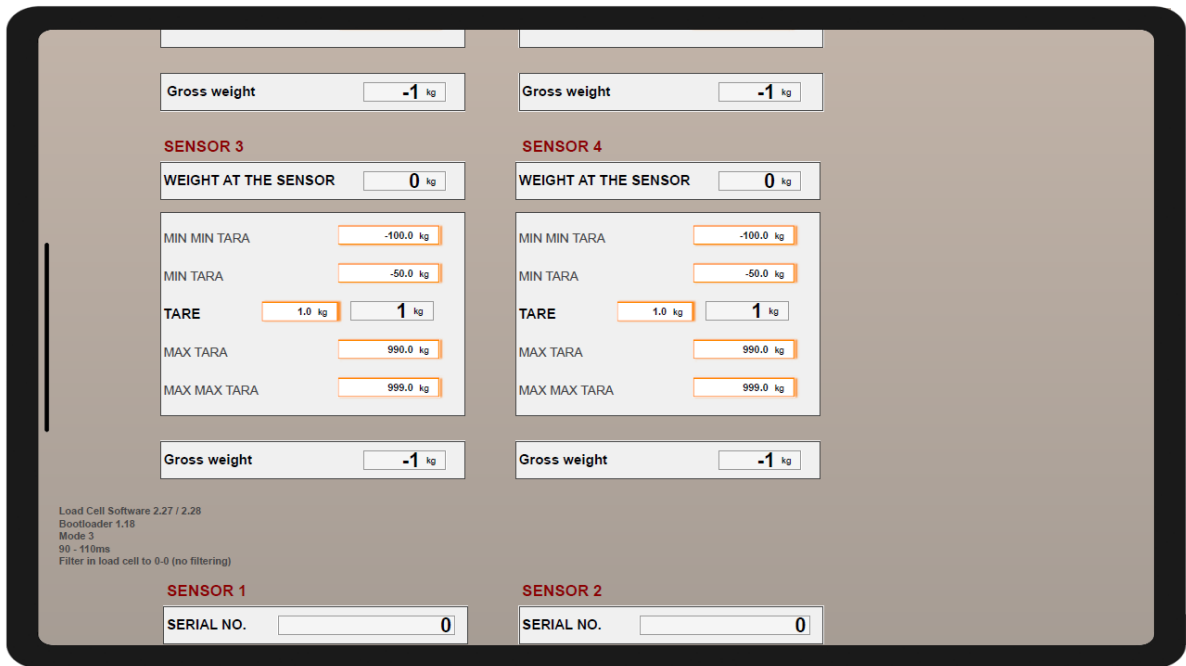
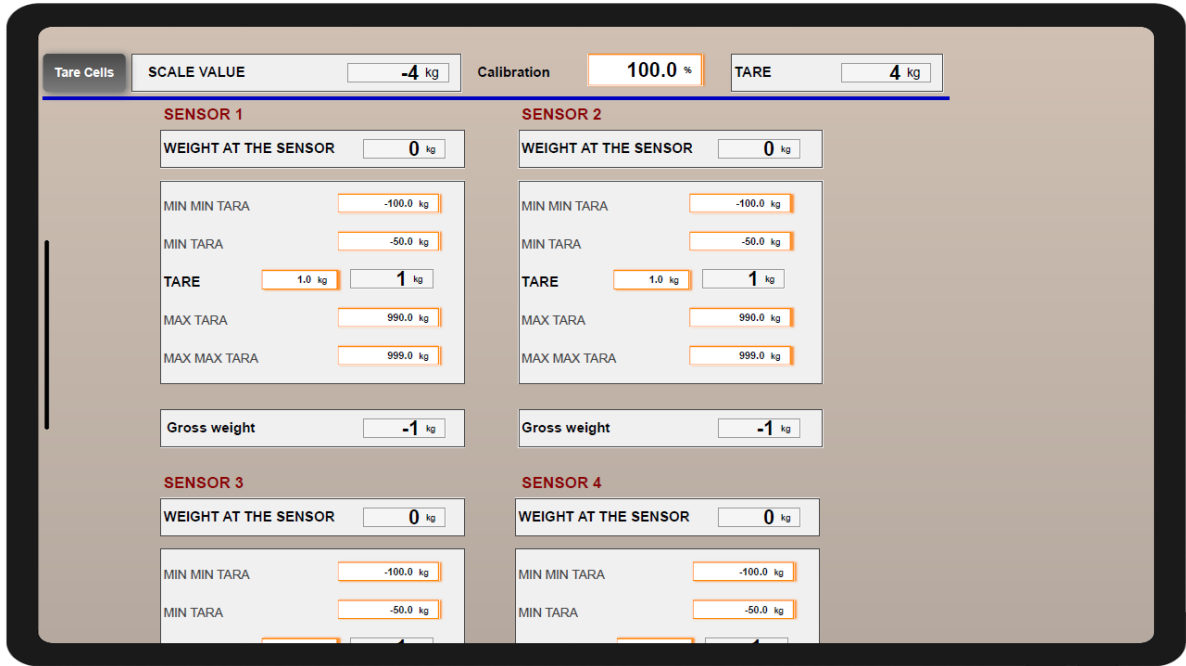
2.12.6 Submenu: Cement filling

CEMENT FILLING

PLANT - CEMENT FILLING

CEMENT FILLING SILO-1		CEMENT FILLING SILO-2	
FISio_WAIT		FISio_WAIT	
Timestamp		Timestamp	
Monitoring Sealing-Cap	0.0 s 5 s	Monitoring Sealing-Cap	0.0 s 5 s
HORN	0.0 s 3 s	HORN	0.0 s 3 s
Monitoring Butterfly-Valve	0.0 s 30 s	Monitoring Butterfly-Valve	0.0 s 30 s
Filling Time	0.0 s 9,000 s	Filling Time	0.0 s 9,000 s
After Filling Time	0.0 s 300 s	After Filling Time	0.0 s 300 s
Sealing-Cap Open	0.0 s 60 s	Sealing-Cap Open	0.0 s 60 s
Shake off the dust filter	0.0 s 60 s	Shake off the dust filter	0.0 s 60 s
LEVEL		LEVEL	

Sealing-Cap Open	0.0 s 60 s	Sealing-Cap Open	0.0 s 60 s
Shake off the dust filter	0.0 s 60 s	Shake off the dust filter	0.0 s 60 s
LEVEL		LEVEL	
Actual Filling level	0.0 cm	Actual Filling level	0.0 cm
Almost Full	550 cm	Almost Full	550 cm
FULL	600 cm	FULL	600 cm
Angeschlossen		Getrennt	
Tare Cells	SCALE VALUE	Calibration	TARE
	-4 kg	100.0 %	4 kg
SENSOR 1		SENSOR 2	
WEIGHT AT THE SENSOR	0 kg	WEIGHT AT THE SENSOR	0 kg
MIN MIN TARA	-100.0 kg	MIN MIN TARA	-100.0 kg



SENSOR 1		SENSOR 2	
SERIAL NO.	<input type="text" value="0"/>	SERIAL NO.	<input type="text" value="0"/>
HW / SW Version	0.0 / 0.0	HW / SW Version	0.0 / 0.0
SEND CYCLE CAN BUS	<input type="text" value="0"/> ms	SEND CYCLE CAN BUS	<input type="text" value="0"/> ms
Cell 1 State		Cell 2 State	
<input type="radio"/> TEMPUR	Temperature below range	<input type="radio"/> TEMPUR	Temperature below range
<input type="radio"/> TEMPOR	Temperature over range	<input type="radio"/> TEMPOR	Temperature over range
<input type="radio"/> ECOMUR	Strain gauge input under range	<input type="radio"/> ECOMUR	Strain gauge input under range
<input type="radio"/> ECOMOR	Strain gauge input over range	<input type="radio"/> ECOMOR	Strain gauge input over range
<input type="radio"/> CRAWUR	Cell below the range (CRAW)	<input type="radio"/> CRAWUR	Cell below the range (CRAW)
<input type="radio"/> CRAWOR	Cell above the area (CRAW)	<input type="radio"/> CRAWOR	Cell above the area (CRAW)
<input type="radio"/> CRC_ERROR	Mode 2 CRC Error Flag	<input type="radio"/> CRC_ERROR	Mode 2 CRC Error Flag
<input type="radio"/> LC_INTEG	Load Cell Integrity Error	<input type="radio"/> LC_INTEG	Load Cell Integrity Error

SENSOR 3		SENSOR 4	
SERIAL NO.	<input type="text" value="0"/>	SERIAL NO.	<input type="text" value="0"/>
HW / SW Version	0.0 / 0.0	HW / SW Version	0.0 / 0.0
SEND CYCLE CAN BUS	<input type="text" value="0"/> ms	SEND CYCLE CAN BUS	<input type="text" value="0"/> ms
Cell 3 State		Cell 4 State	
<input type="radio"/> TEMPUR	Temperature below range	<input type="radio"/> TEMPUR	Temperature below range
<input type="radio"/> TEMPOR	Temperature over range	<input type="radio"/> TEMPOR	Temperature over range
<input type="radio"/> ECOMUR	Strain gauge input under range	<input type="radio"/> ECOMUR	Strain gauge input under range
<input type="radio"/> ECOMOR	Strain gauge input over range	<input type="radio"/> ECOMOR	Strain gauge input over range
<input type="radio"/> CRAWUR	Cell below the range (CRAW)	<input type="radio"/> CRAWUR	Cell below the range (CRAW)
<input type="radio"/> CRAWOR	Cell above the area (CRAW)	<input type="radio"/> CRAWOR	Cell above the area (CRAW)
<input type="radio"/> CRC_ERROR	Mode 2 CRC Error Flag	<input type="radio"/> CRC_ERROR	Mode 2 CRC Error Flag
<input type="radio"/> LC_INTEG	Load Cell Integrity Error	<input type="radio"/> LC_INTEG	Load Cell Integrity Error

2.13 Menu: Info

Info

NAMEPLATE

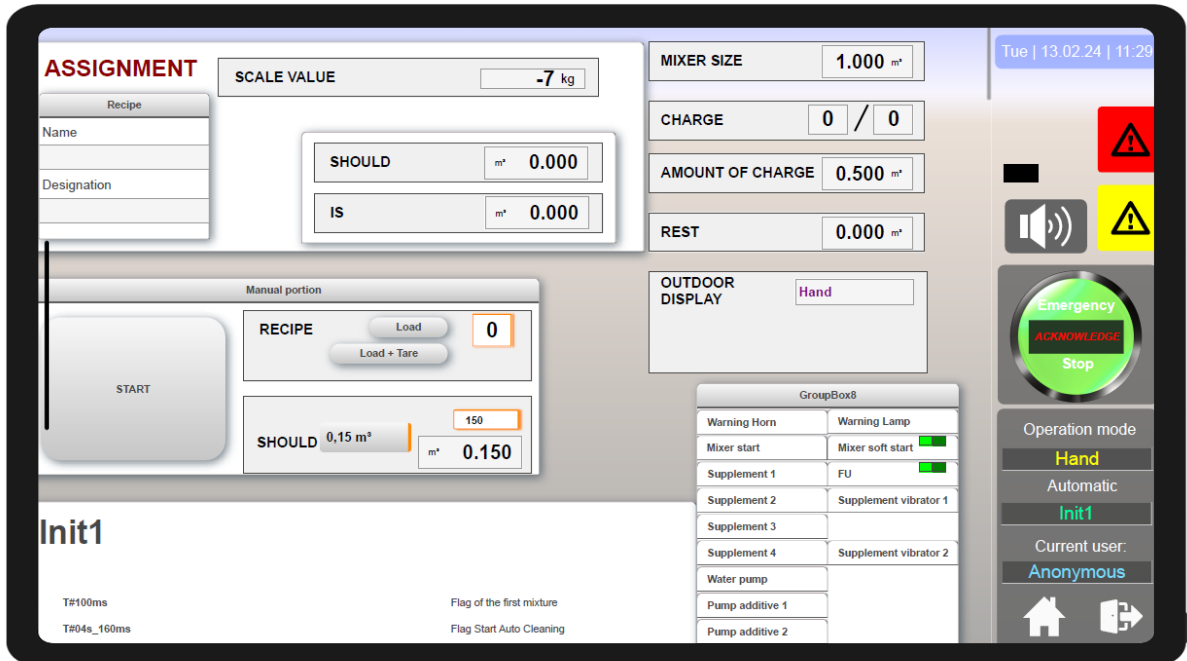
MANUFACTURER

FLIEGL BAU- UND
KOMMUNALTECHNIK GMBH
BÜRGERMEISTER-BOSCH-STR. 1
84453 MÜHLDORF A. INN
TEL.: 08631 307-0
FAX: 08631 307-552
MAIL: baukom@fliegl.com

84453 Mühdorf a. Inn		
TYPE <input type="text" value="Betontankstelle BTS"/>		
SERIAL NO. <input type="text" value="????"/>		
CONSTRUCTION YEAR <input type="text" value="0000"/>		SW-VERSION <input type="text" value="1.22"/>
CE		

AUTHORIZATION:

2.14 Menu: Assignment



ASSIGNMENT

Recipe

Name

Designation

SCALE VALUE: -7 kg

MIXER SIZE: 1.000 m³

CHARGE: 0 / 0

AMOUNT OF CHARGE: 0.500 m³

REST: 0.000 m³

SHOULD: 0.000 m³

IS: 0.000 m³

Manual portion

RECIPE: Load 0

Load + Tare

START

SHOULD: 0,15 m³ | 150 | 0,150 m³

OUTDOOR DISPLAY: Hand

GroupBox8

Warning Horn	Warning Lamp
Mixer start	Mixer soft start
Supplement 1	FU
Supplement 2	Supplement vibrator 1
Supplement 3	
Supplement 4	Supplement vibrator 2
Water pump	
Pump additive 1	
Pump additive 2	

Emergency ACKNOWLEDGE Stop

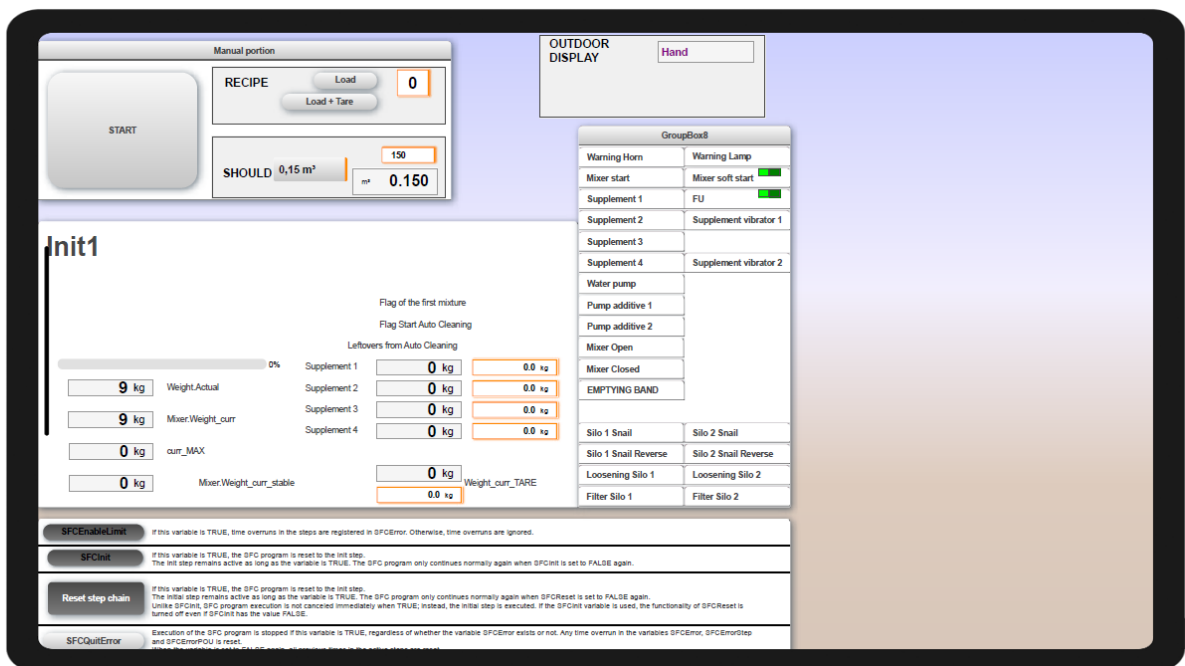
Operation mode: Hand, Automatic, Init1

Current user: Anonymous

Init1

T#100ms Flag of the first mixture

T#04s_160ms Flag Start Auto Cleaning



Manual portion

RECIPE: Load 0

Load + Tare

START

SHOULD: 0,15 m³ | 150 | 0,150 m³

OUTDOOR DISPLAY: Hand

GroupBox8

Warning Horn	Warning Lamp
Mixer start	Mixer soft start
Supplement 1	FU
Supplement 2	Supplement vibrator 1
Supplement 3	
Supplement 4	Supplement vibrator 2
Water pump	
Pump additive 1	
Pump additive 2	
Mixer Open	
Mixer Closed	
EMPTYING BAND	
Silo 1 Snail	Silo 2 Snail
Silo 1 Snail Reverse	Silo 2 Snail Reverse
Loosening Silo 1	Loosening Silo 2
Filter Silo 1	Filter Silo 2

Init1

Flag of the first mixture

Flag Start Auto Cleaning

Leftovers from Auto Cleaning

0%	Supplement 1	0 kg	0,0 kg
9 kg	Weight_Actual	0 kg	0,0 kg
9 kg	Mixer_Weight_curr	0 kg	0,0 kg
0 kg	curr_MAX	0 kg	0,0 kg
0 kg	Mixer_Weight_curr_stable	0 kg	0,0 kg
	Weight_our_TARE	0 kg	0,0 kg

SFCenableLimit: If this variable is TRUE, time overruns in the steps are registered in SFCError. Otherwise, time overruns are ignored.

SFCint: If this variable is TRUE, the SFC program is reset to the Init step. The Init step remains active as long as the variable is TRUE. The SFC program only continues normally again when SFCint is set to FALSE again.

Reset step chain: If this variable is TRUE, the SFC program is reset to the Init step. The initial step remains active as long as the variable is TRUE. The SFC program only continues normally again when SFCReset is set to FALSE again. Unlike SFCint, SFC program execution is not cancelled immediately when TRUE; instead, the initial step is executed. If the SFCint variable is used, the functionality of SFCReset is turned off even if SFCint has the value FALSE.

SFCQuitError: Execution of the SFC program is stopped if this variable is TRUE, regardless of whether the variable SFCError exists or not. Any time overrun in the variables SFCError, SFCErrorStep and SFCErrorPOU is reset.

<input type="text" value="0 kg"/>	curr_MAX	<input type="text" value="0 kg"/>	Supplement 4	<input type="text" value="0.0 kg"/>	<input type="text" value="0.0 kg"/>	<input type="text" value="Silo 1 Snail"/>	<input type="text" value="Silo 2 Snail"/>
<input type="text" value="0 kg"/>	Mixer_Weight_curr_stable	<input type="text" value="0 kg"/>	<input type="text" value="0.0 kg"/>	<input type="text" value="0.0 kg"/>	<input type="text" value="0.0 kg"/>	<input type="text" value="Silo 1 Snail Reverse"/>	<input type="text" value="Silo 2 Snail Reverse"/>
<input type="text" value="0 kg"/>		<input type="text" value="0.0 kg"/>	<input type="text" value="0.0 kg"/>	<input type="text" value="0.0 kg"/>	<input type="text" value="0.0 kg"/>	<input type="text" value="Loosening Silo 1"/>	<input type="text" value="Loosening Silo 2"/>
						<input type="text" value="Filter Silo 1"/>	<input type="text" value="Filter Silo 2"/>

SFCEnableLimit	If this variable is TRUE, time overruns in the steps are registered in SFCError. Otherwise, time overruns are ignored.
SFCInit	If this variable is TRUE, the SFC program is reset to the first step. The first step remains active as long as the variable is TRUE. The SFC program only continues normally again when SFCInit is set to FALSE again.
Reset step chain	If this variable is TRUE, the SFC program is reset to the first step. The initial step remains active as long as the variable is TRUE. The SFC program only continues normally again when SFCReset is set to FALSE again.
SFCQuitError	Execution of the SFC program is stopped if this variable is TRUE, regardless of whether the variable SFCError exists or not. Any time overrun in the variables SFCError and SFCErrorPOU is reset. When the variable is set to FALSE again, all previous times in the active steps are reset.
SFCPause	Execution of the SFC program is stopped if this variable is TRUE, and the SFCError SFCErrorStep and SFCErrorPOU variables are reset. When the variable is set to FALSE again, all previous times in the active steps are reset.
SFCError	This variable is set when a time overrun occurs in the SFC program. When SFCEnableLimit exists and has the value FALSE, time overruns are not registered. A time overrun is reset when the variable SFCError is set to FALSE again. No more time overruns are registered. If the define -D_SFCError_Pause exists, execution of the SFC program is stopped if this variable is TRUE. If the define -D_SFCError_QuitError exists and a transition is switched, this variable is reset.
SFCError2	Special automatic cleaning
SFCTrans	This variable becomes TRUE when a transition is switched.
SFCErrorStep	In the event of a time overrun, the name of the step that caused the time overrun is stored in this variable. The time overrun is only detected if the variable SFCError exists. If the define -D_SFCTrans_QuitError exists and a transition is switched, this variable is reset.
SFCErrorPOU	In the event of a time overrun, the name of the program or the function block that caused the time overrun is stored in this variable. The time overrun is only detected if the variable SFCError exists. If the define -D_SFCTrans_QuitError exists and a transition is switched, this variable is reset.
SFCCurrentStep	init The name of the active step is saved to this variable. For parallel branches, the name of the active step is saved in the right-most branch. The name of the active step is set when the transition conditions are checked. When the SFCError variable and the transition after the first step are TRUE, SFCCurrentStep is given the name of the subsequent step, although only the first step is executed.
SFCtipMode	If this variable is TRUE, then time overruns for the steps are ignored in SFCError and all transition conditions are considered FALSE. This allows SFCtip to be used when switching from one step to the next.
SFCtip	All transitions are evaluated as TRUE regardless of the SFCtipMode when a positive edge occurs for SFCtip. For alternative branches, a positive edge activates the left-most branch. If the define -D_SFCtip_Condition exists, the behavior is changed if SFCtipMode has the value TRUE. In this case, the program goes to the next step, even if the transition condition is TRUE. For alternative branches, this activates the first branch on the left whose transition condition is met.

Stopp									
	TargetStopDosing	TargetStopTrailing Correction	IsStopDosing	Trailing	TargetBatchingredient	IsBatchingredient	TargetDelta	IsDelta	
Mixer_Weight_curr	kg	8.8							
Water 1a	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg

SFCtipMode	If this variable is TRUE, then time overruns for the steps are ignored in SFCError and all transition conditions are considered FALSE. This allows SFCtip to be used when switching from one step to the next.
SFCtip	All transitions are evaluated as TRUE regardless of the SFCtipMode when a positive edge occurs for SFCtip. For alternative branches, a positive edge activates the left-most branch. If the define -D_SFCtip_Condition exists, the behavior is changed if SFCtipMode has the value TRUE. In this case, the program goes to the next step, even if the transition condition is TRUE. For alternative branches, this activates the first branch on the left whose transition condition is met.

Stopp									
	TargetStopDosing	TargetStopTrailing Correction	IsStopDosing	Trailing	TargetBatchingredient	IsBatchingredient	TargetDelta	IsDelta	
Mixer_Weight_curr	kg	8.8							
Water 1a	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Supplement 1a	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Supplement 2a	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Supplement 3a	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Supplement 4a	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Water 1b	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Cement 1	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Cement 2	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Retarder					kg	0.0			
Flux					kg	0.0			
Supplement 1b	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Supplement 2b	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Supplement 3b	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Supplement 4b	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg
Water 1c	kg	0.0	kg	0.0	kg	0.0	kg	0.0	kg

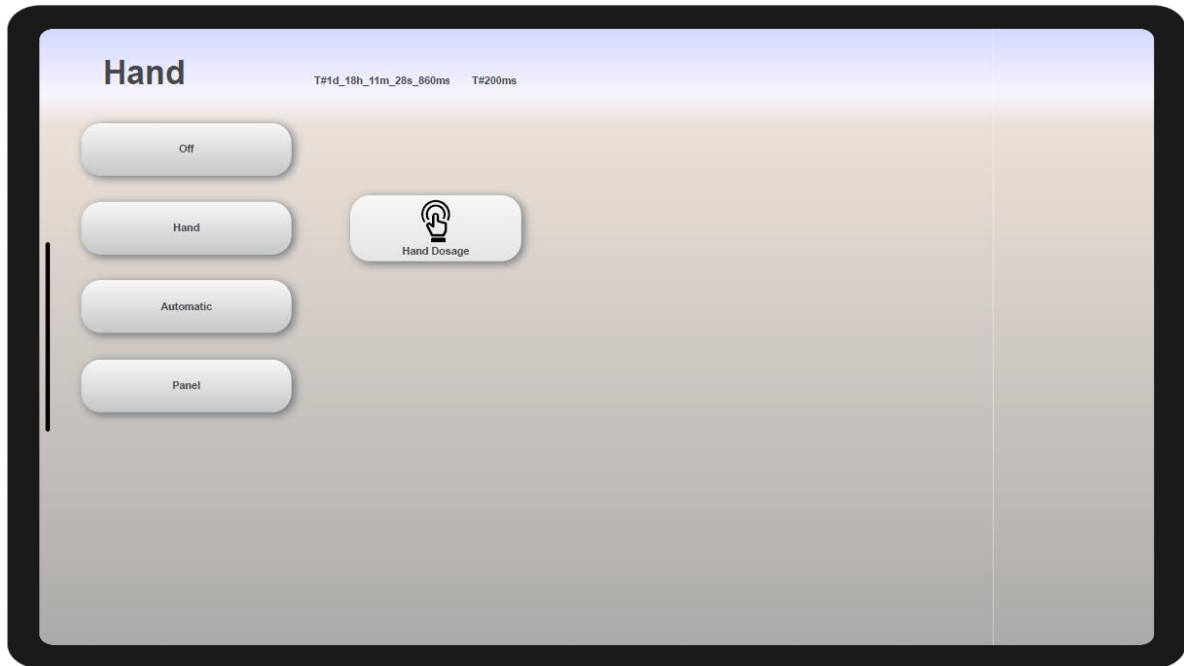
2.15 Menu: Equipment



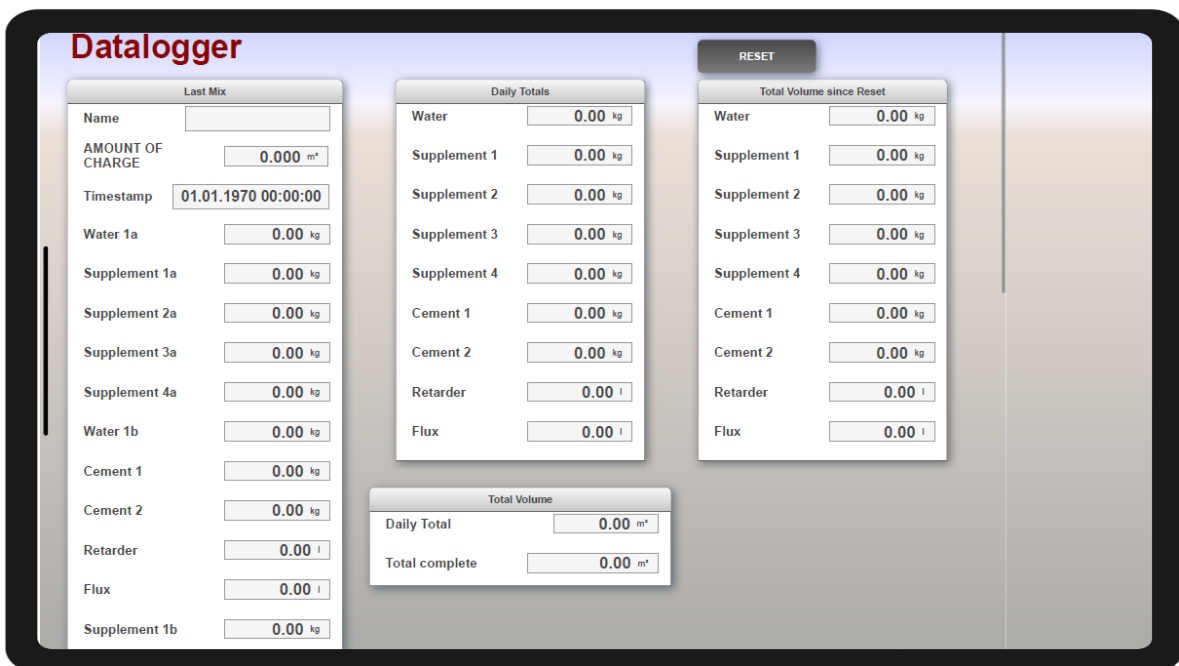
2.16 Menu: Hardware status



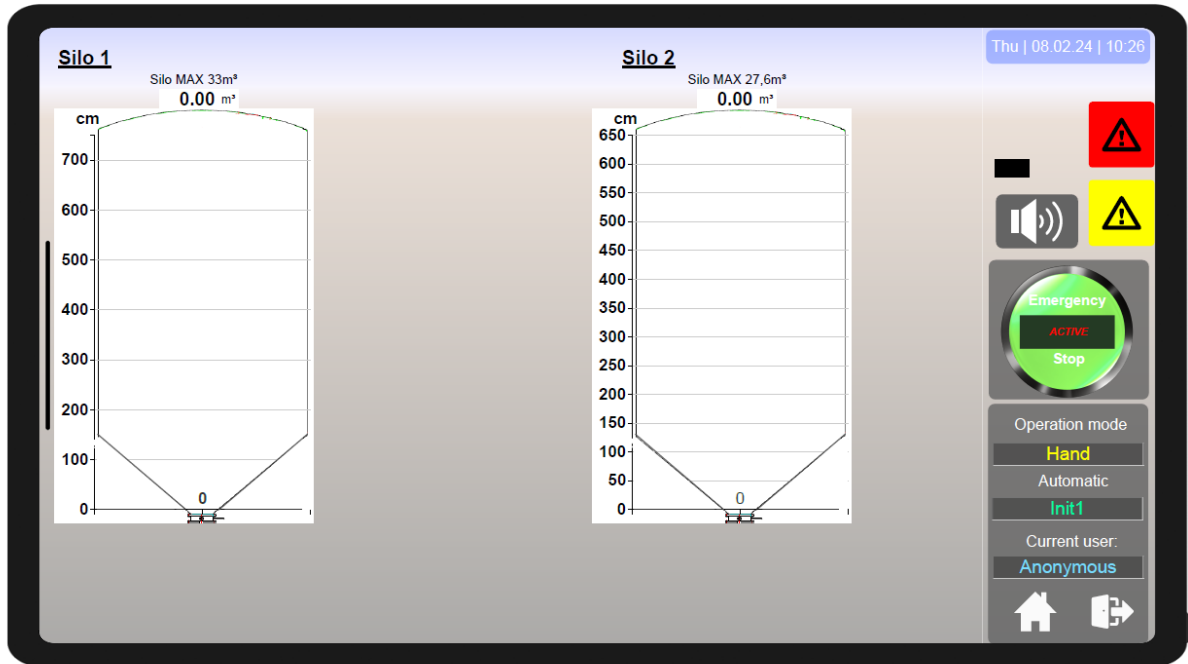
2.17 Menu: Operation mode



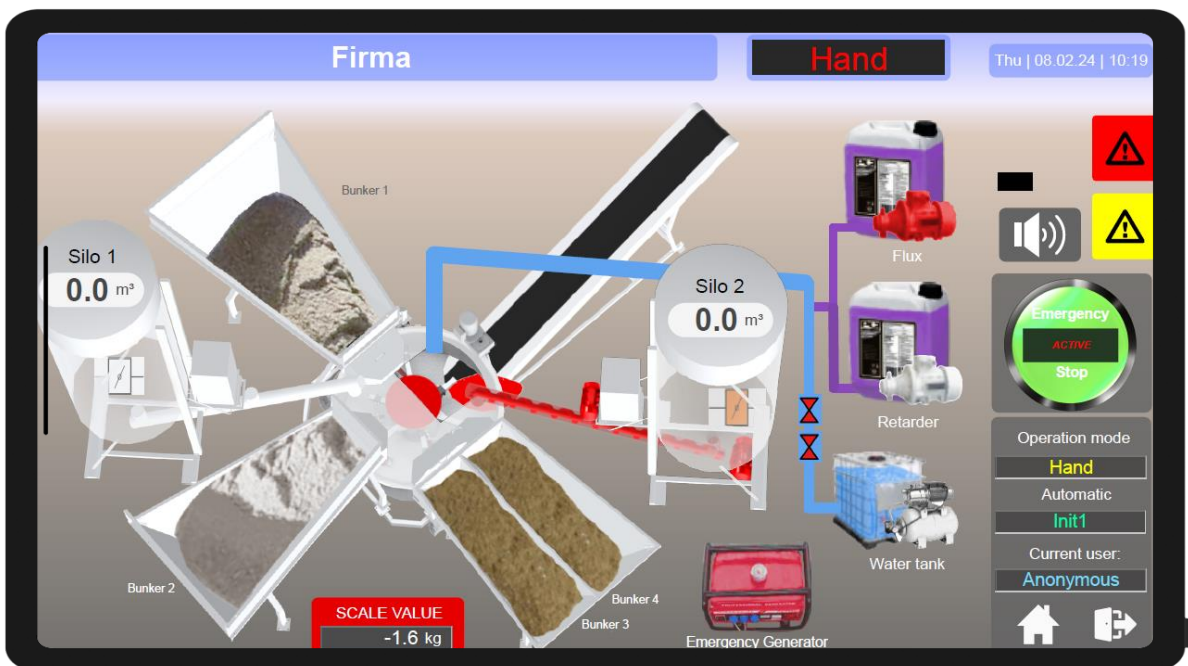
2.18 Menu: Datalogger

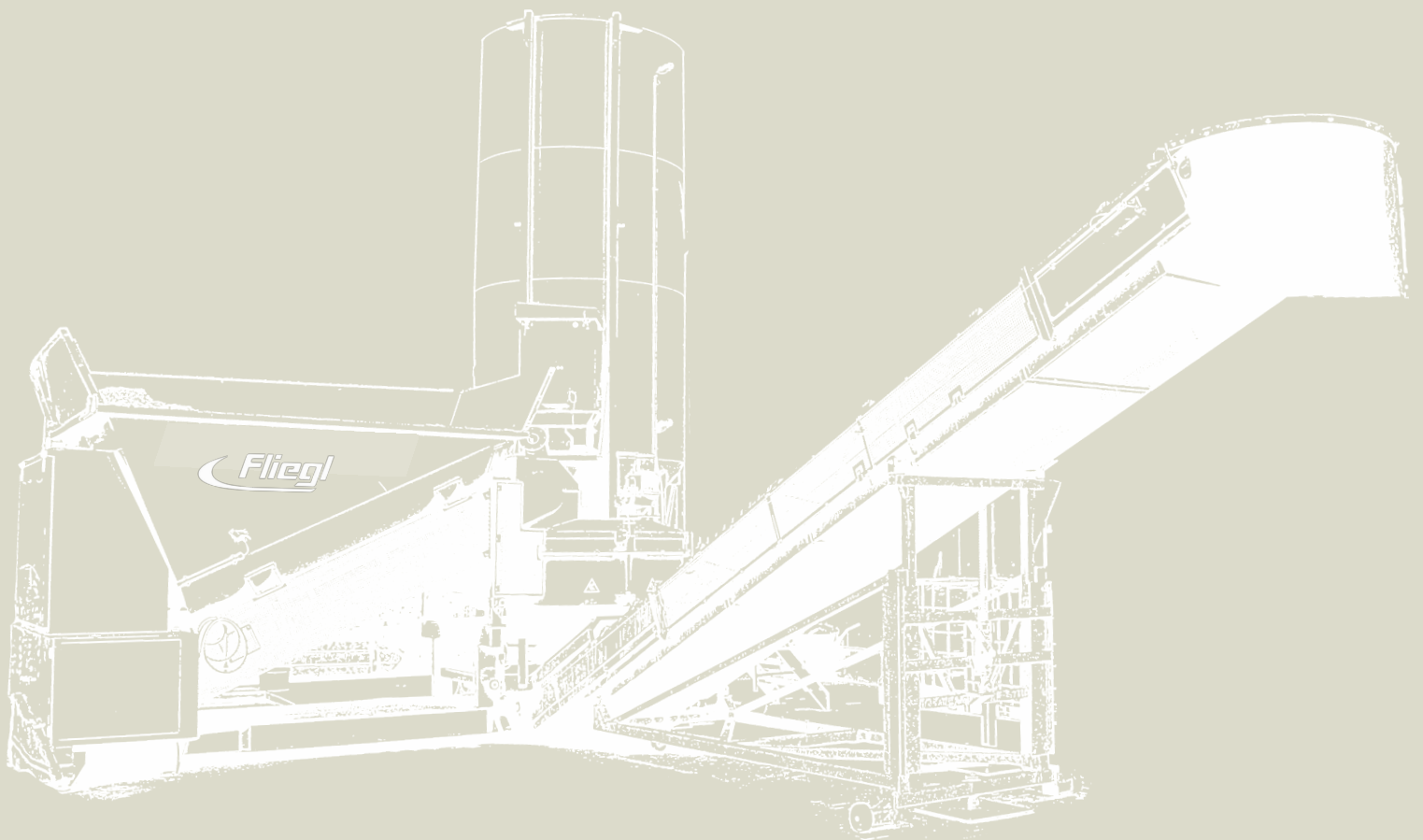


2.19 Menu: Radar Vega



2.20 Menu: Overview





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