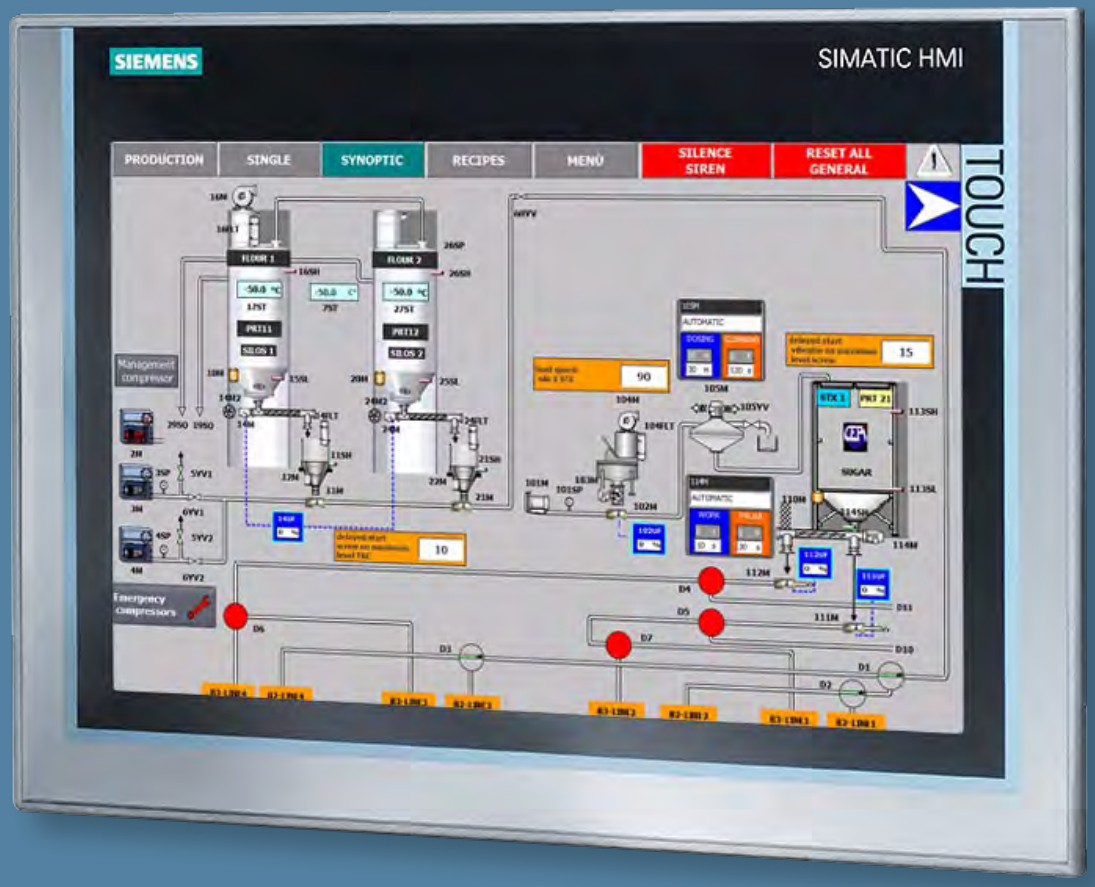
OPERATOR PANEL

TOUCH PANEL AND PC PANEL



PRODUCTION CONTROL
RECIPES CREATION
PARAMETERS SETTING
OVERVIEW

Bulk-handling systems
www.cepisilos.com

TOOL FOR THE DOSING CONTROL

automatic metering of powders and liquids

continuous or batch, positive, by loss of weight, by volume or by weight

silo weight control in real time

automation also via the plc

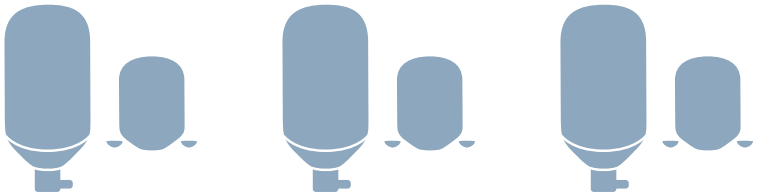
TP400
TP700
TP900
TP1200

Process supervision system which uses the Siemens WinCC Flexible Runtime program.

The software runs on a Windows system and uses its standard command interface, keyboard and mouse.

OPERATOR PANEL
TOUCH PANEL AND PC PANEL

MULTIPLE DOSING LINES



OPERATOR PANEL

PC

INTERNET

PC PANEL CONTROLLING THE PLANT

TOUCH PANEL ON LINES 7” OR 12”

OVERVIEW + CEPI TRACKING SYSTEM

PRODUCTION CONTROL
RECIPES CREATION
PARAMETERS SETTING
OVERVIEW

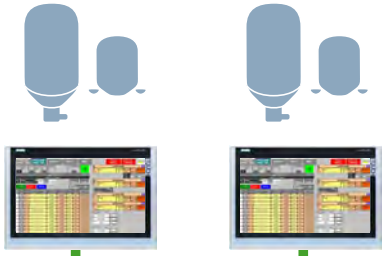
OPERATOR PANEL
TOUCH PANEL AND PC PANEL

POWER CABINET

PLC

EWON REMOTE ASSISTANCE

PRODUCTION ROOM



TOUCH PANEL 7”

PRODUCTION

See OP_presentation_GB.pdf

TOUCH PANEL 12”

OVERVIEW/PRODUZIONE

Vedi OP_presentation_GB.pdf

INTERNET ACCESS

PRODUCTION MANAGER ROOM

PC

OVERVIEW

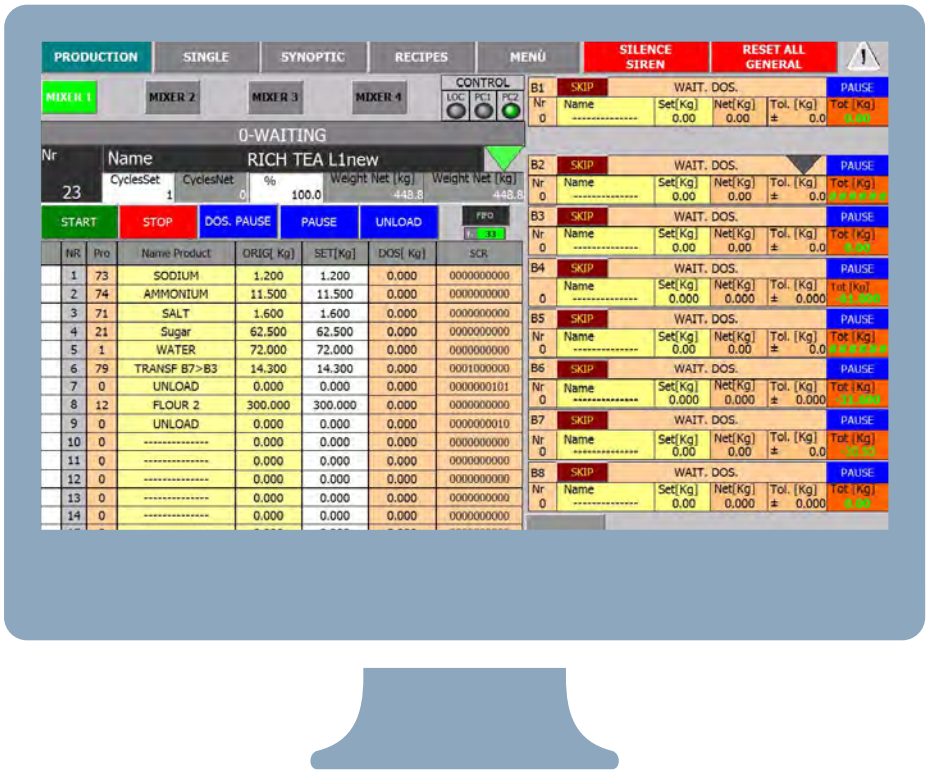
See OP_presentation_GB.pdf

CTS TRACEABILITY

See CTS_presentation_GB.pdf

OPERATOR PANEL
TOUCH PANEL AND PC PANEL

PRODUCTION CONTROL



PRODUCTION CONTROL ON LINES AND PLANT

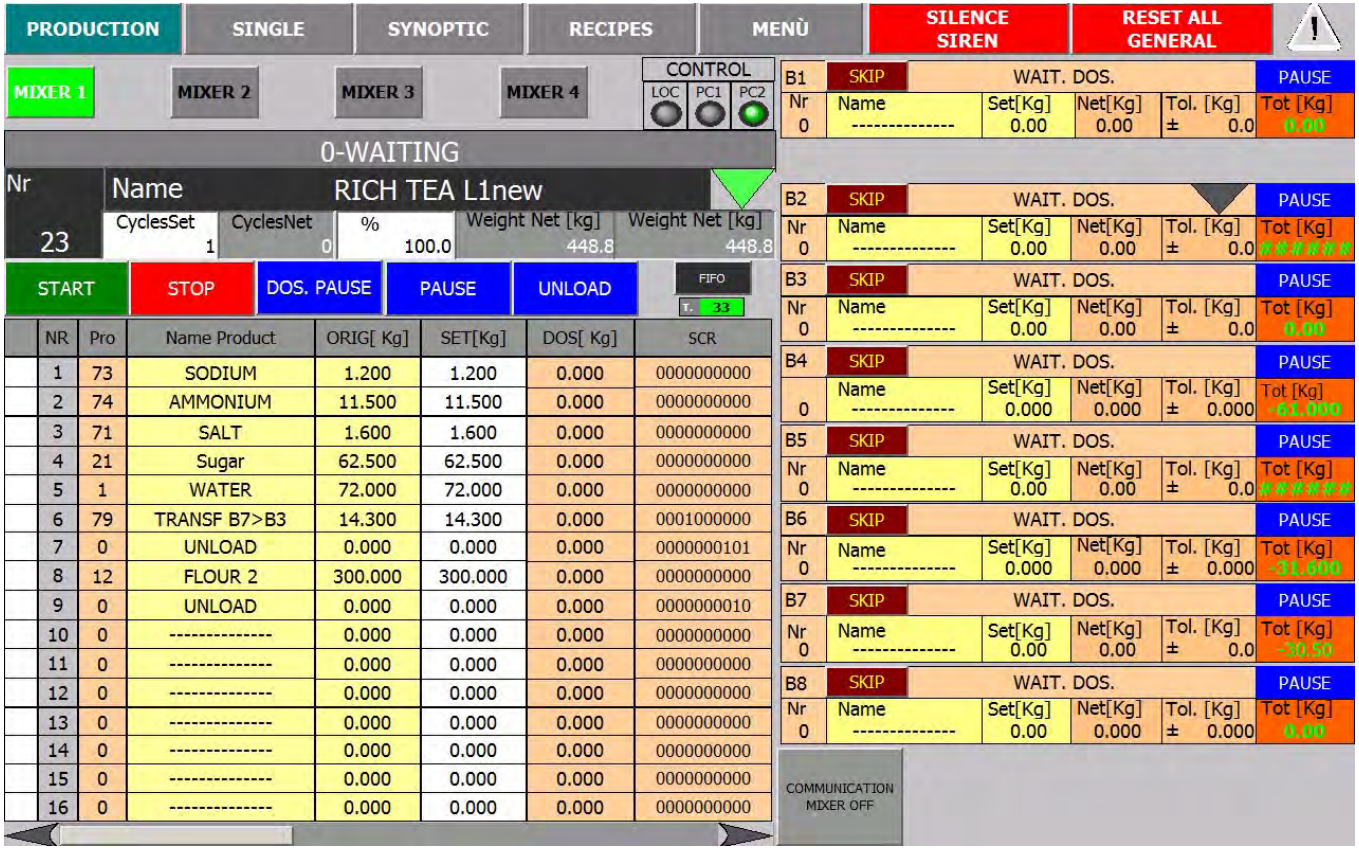
REMOTE AND LOCAL PRODUCTION MODALITY

SINGLE DOSING

REPORT

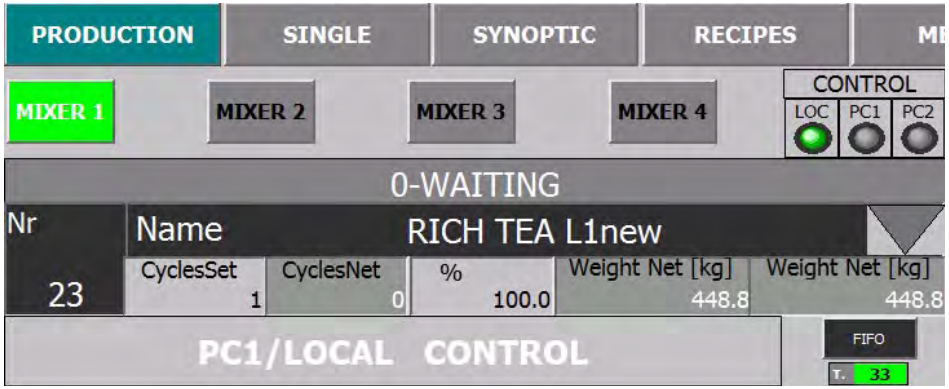
Bulk-handling systems
www.cepisilos.com

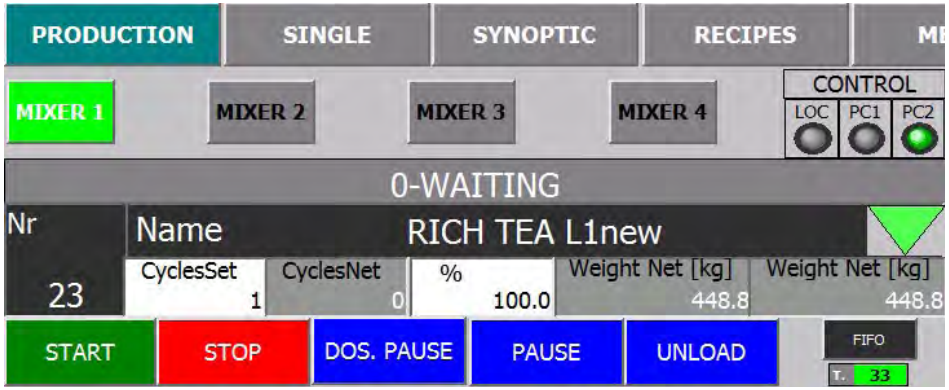
PRODUCTION CONTROL
EXAMPLES

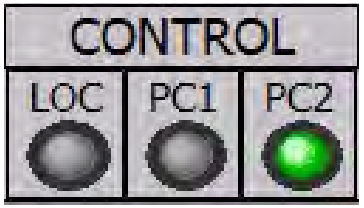


Production page

PRODUCTION CONTROL
PROCEDURE





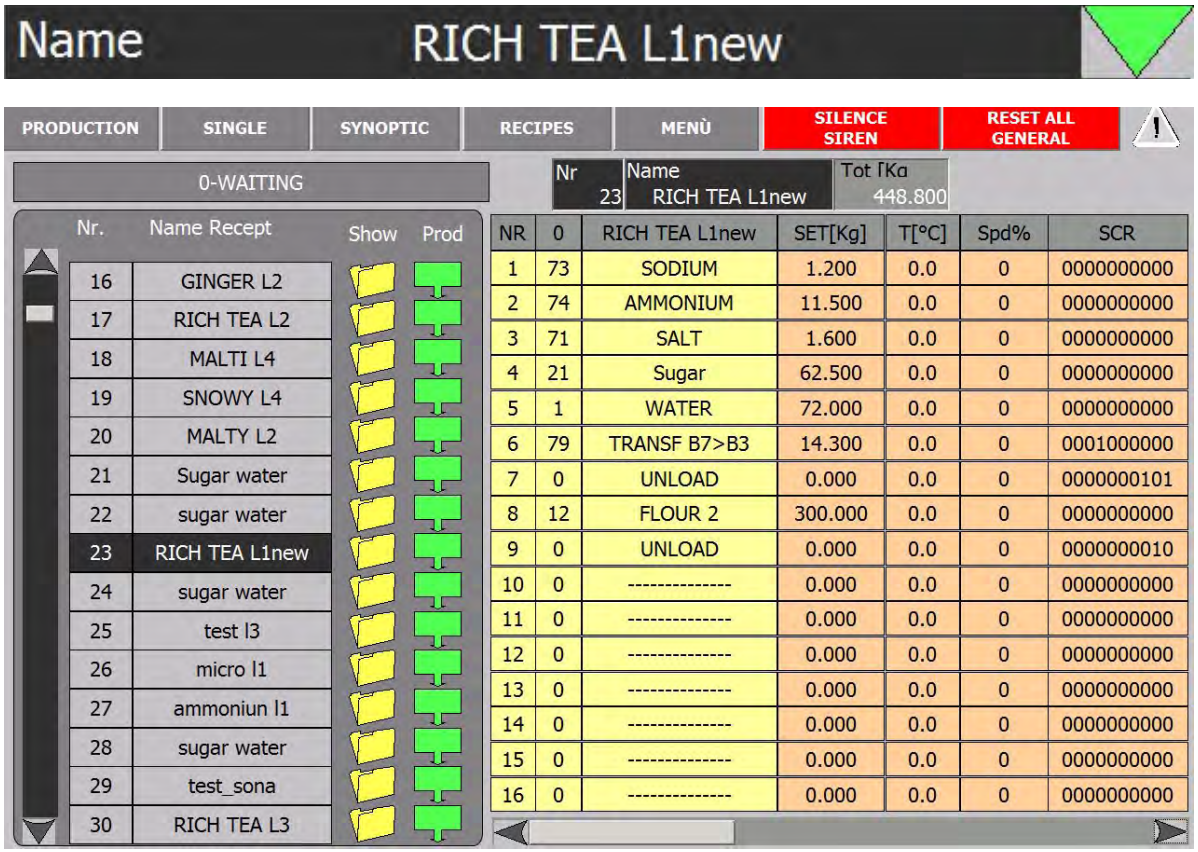


Select the production modality

Local production modality
Press LOC button to select
The recipe is started and managed elsewhere and production commands are disabled on the panel

Remote production modality
Press PC1/PC2 buttons to select
The recipe is started and managed in the panel

PRODUCTION CONTROL
PROCEDURE



Select recipe

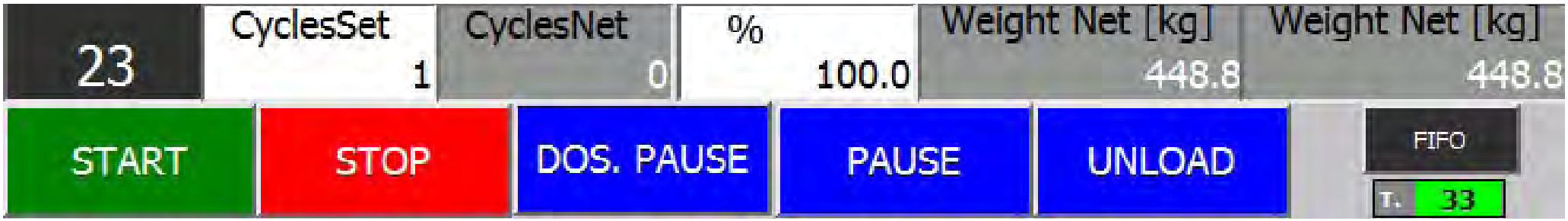
Click on the name field or green arrow button to access the page where the recipe can be selected

Select the recipe in the RECIPE LIST to the left

The RECIPE panel visualizes the details of the selected recipe

Press the PRODUCTION button in the top bar to go back to the PRODUCTION page

PRODUCTION CONTROL
PROCEDURE



Production details

Use the PRODUCTION DETAILS panel to monitor or change the details for the production of the recipe

Control cycles (set and net), weight, percentage or pieces to dose, temperature...

Production commands

Press START to start the production of the selected recipe

Press UNLOAD to authorize unloading (button blinks when an unloading is required)

Press STOP to stop the recipe in production

Press PAUSE DOSING to stop the dosing on all lines temporarily

Press PAUSE to stop the production of the recipe when the current cycle ends

PRODUCTION CONTROL
PROCEDURE

B1	SKIP	WAIT. DOS.			PAUSE
Nr	Name	Set[Kg]	Net[Kg]	Tol. [Kg]	Tot [Kg]
0	----------	0.00	0.00	± 0.0	0.00
B2	SKIP	WAIT. DOS.			PAUSE
Nr	Name	Set[Kg]	Net[Kg]	Tol. [Kg]	Tot [Kg]
0	----------	0.00	0.00	± 0.0	######
B3	SKIP	WAIT. DOS.			PAUSE
Nr	Name	Set[Kg]	Net[Kg]	Tol. [Kg]	Tot [Kg]
0	----------	0.00	0.00	± 0.0	0.00
B4	SKIP	WAIT. DOS.			PAUSE
	Name	Set[Kg]	Net[Kg]	Tol. [Kg]	Tot [Kg]
0	----------	0.000	0.000	± 0.000	-61.000
B5	SKIP	WAIT. DOS.			PAUSE
Nr	Name	Set[Kg]	Net[Kg]	Tol. [Kg]	Tot [Kg]
0	----------	0.00	0.00	± 0.0	######
B6	SKIP	WAIT. DOS.			PAUSE
Nr	Name	Set[Kg]	Net[Kg]	Tol. [Kg]	Tot [Kg]
0	----------	0.000	0.000	± 0.000	-31.600
B7	SKIP	WAIT. DOS.			PAUSE
Nr	Name	Set[Kg]	Net[Kg]	Tol. [Kg]	Tot [Kg]
0	----------	0.00	0.00	± 0.0	-30.50
B8	SKIP	WAIT. DOS.			PAUSE
Nr	Name	Set[Kg]	Net[Kg]	Tol. [Kg]	Tot [Kg]
0	----------	0.00	0.000	± 0.000	0.00

0-WAITING

COMMUNICATION MIXER OFF	MIXER		CEPI	
	Request Product1		EndProduct1	
	Request Product2		EndProduct2	

	NR	Pro	Name Product	ORIG[Kg]	SET[Kg]	DOS[Kg]	SCR
	1	73	SODIUM	1.200	1.200	0.000	0000000000
	2	74	AMMONIUM	11.500	11.500	0.000	0000000000
	3	71	SALT	1.600	1.600	0.000	0000000000
	4	21	Sugar	62.500	62.500	0.000	0000000000
	5	1	WATER	72.000	72.000	0.000	0000000000
	6	79	TRANSF B7>B3	14.300	14.300	0.000	0001000000
	7	0	UNLOAD	0.000	0.000	0.000	0000000101
	8	12	FLOUR 2	300.000	300.000	0.000	0000000000
	9	0	UNLOAD	0.000	0.000	0.000	0000000010
	10	0	----------	0.000	0.000	0.000	0000000000
	11	0	----------	0.000	0.000	0.000	0000000000
	12	0	----------	0.000	0.000	0.000	0000000000
	13	0	----------	0.000	0.000	0.000	0000000000
	14	0	----------	0.000	0.000	0.000	0000000000
	15	0	----------	0.000	0.000	0.000	0000000000
	16	0	----------	0.000	0.000	0.000	0000000000

Monitor production

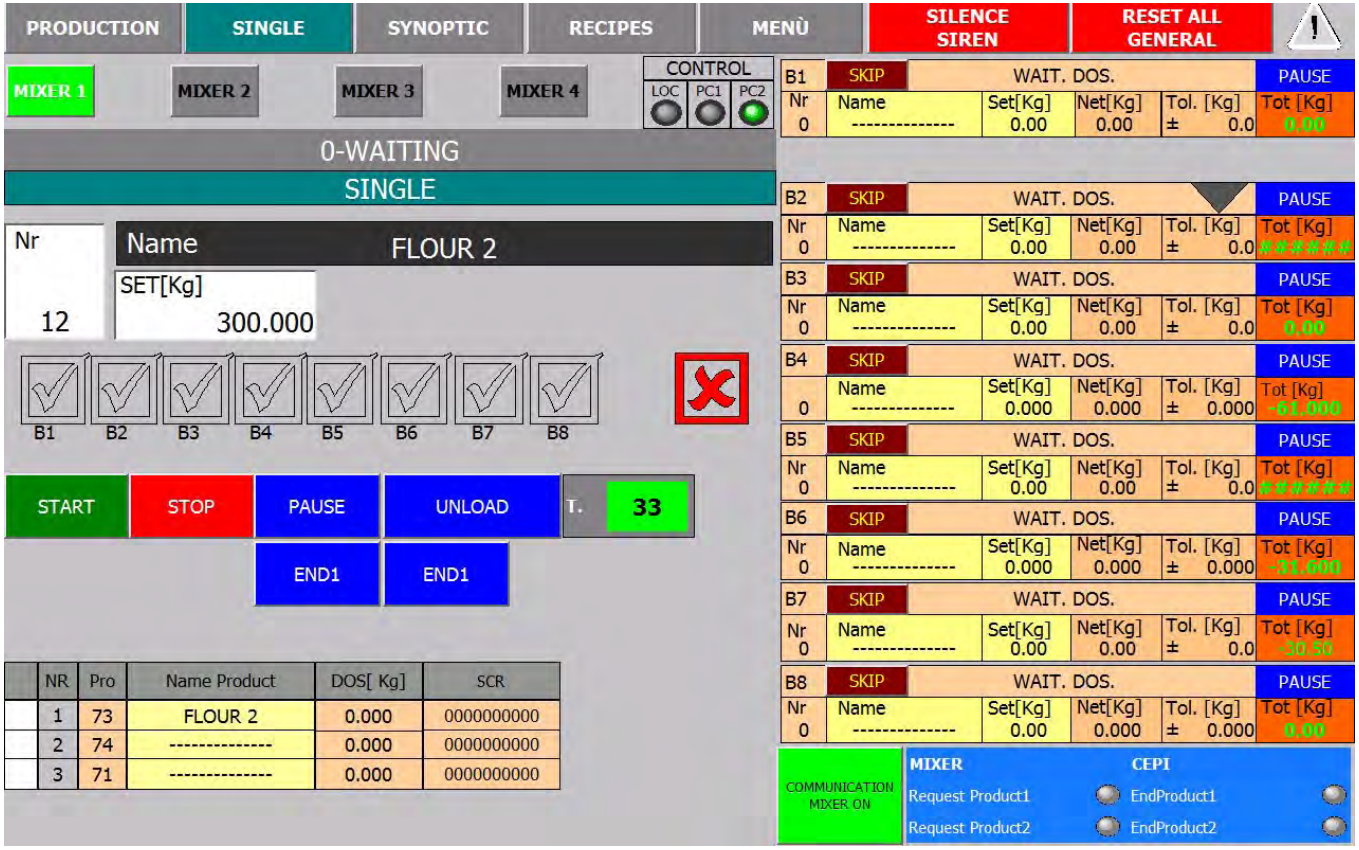
Hopper details
show the state of each hopper (name and number of ongoing recipe, set and net weight, tolerance...)

State bar
shows the current state of the dosage on the line

Communication with mixer
shows the requests from the mixer and the replies from the CEPI system

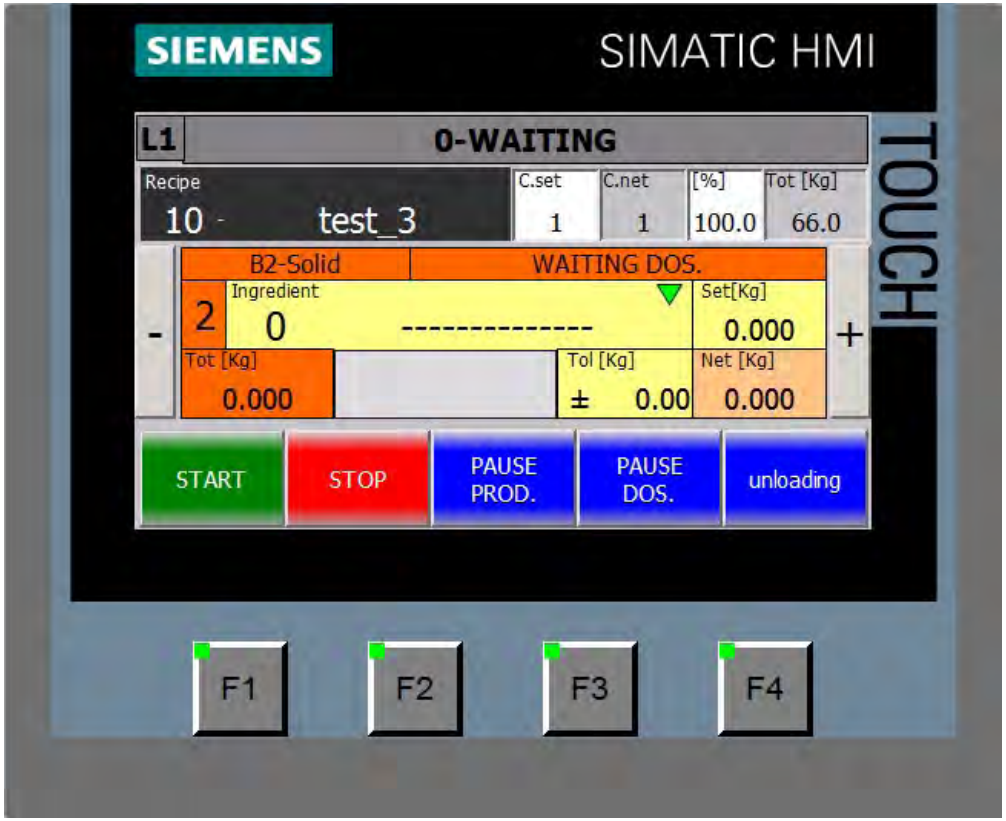
Recipe report
shows the details of the ongoing recipe: state of the step, name and number of product dosed in step, set and net weight, temperature...

PRODUCTION CONTROL
EXAMPLES



Single dosing

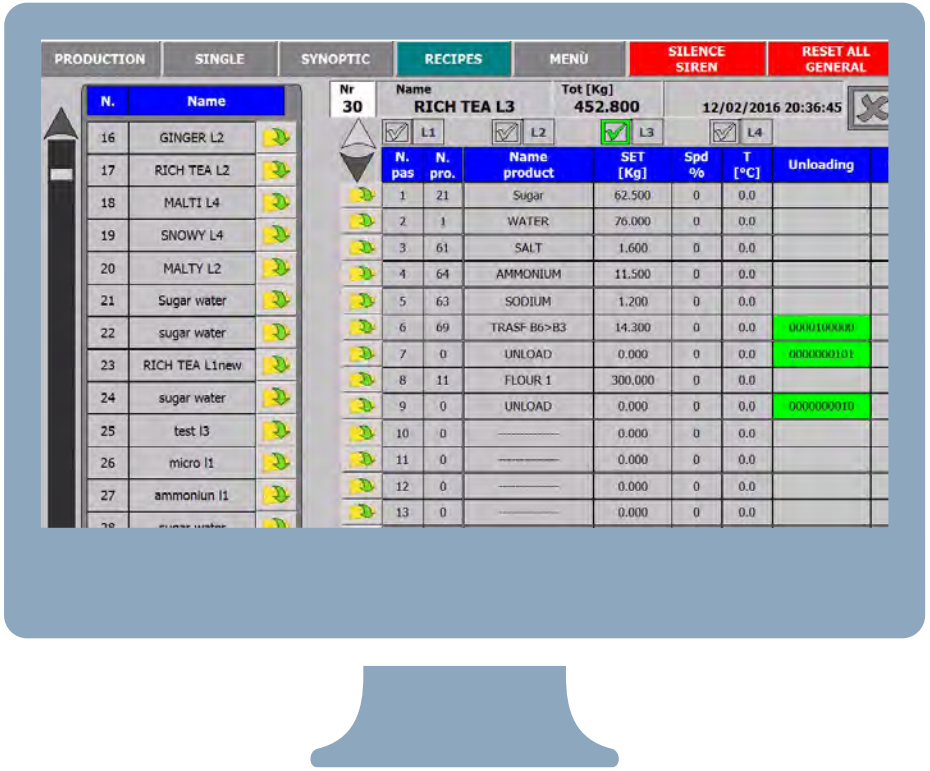
PRODUCTION CONTROL
EXAMPLES



Production page on Touch panel TP400 controlling the line

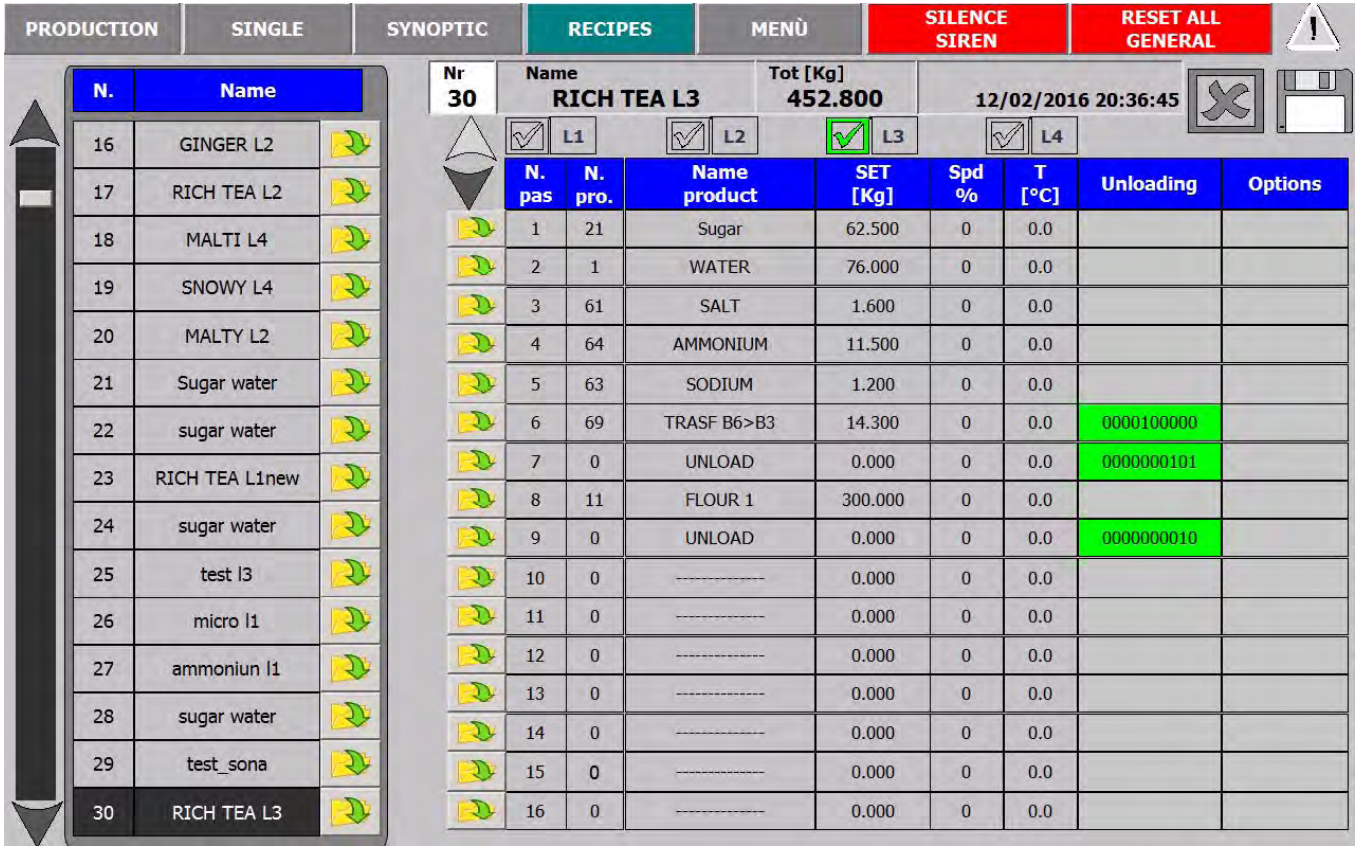
OPERATOR PANEL
TOUCH PANEL AND PC PANEL

RECIPE CREATION



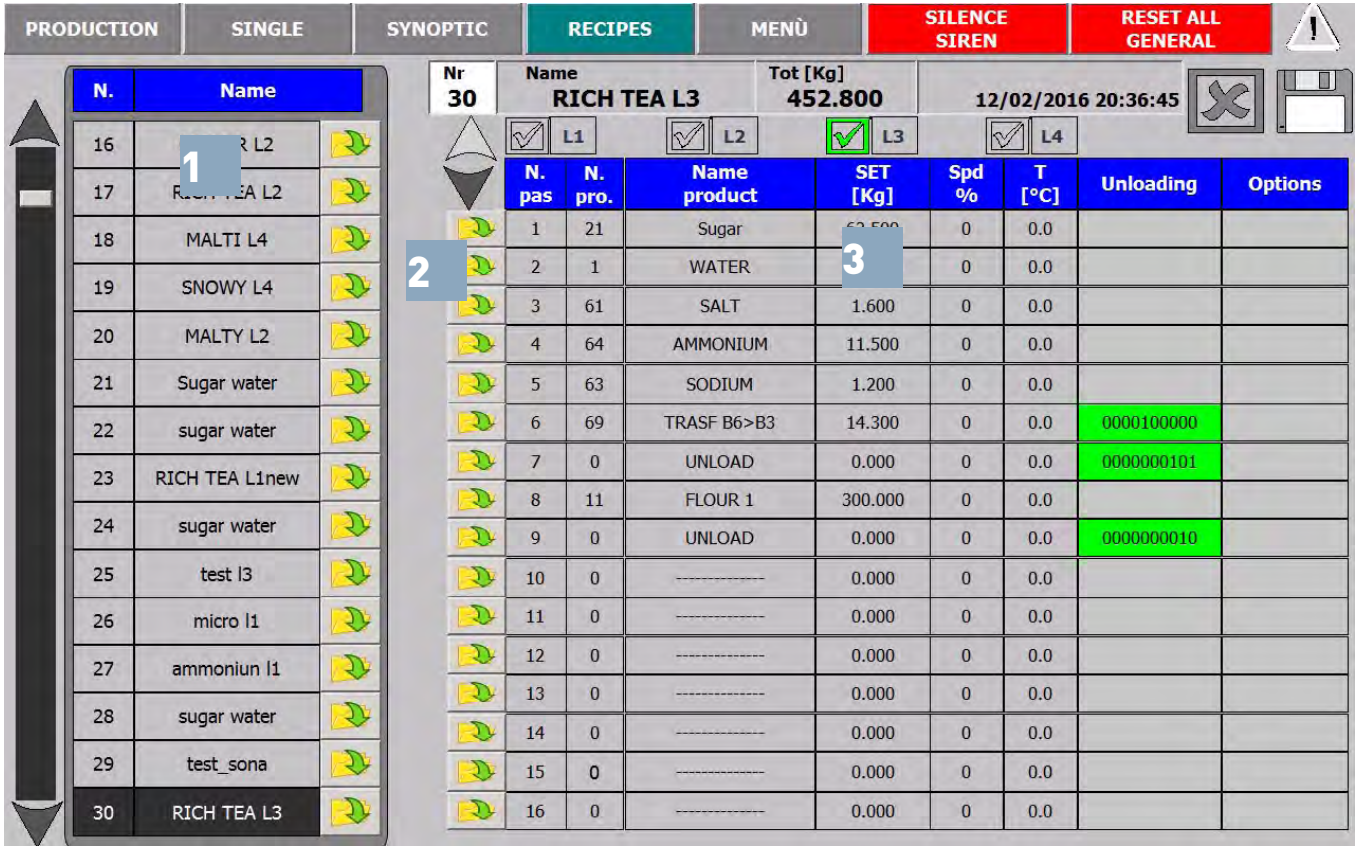
CREATE RECIPES FOR LINES AND PLANT, SEND THEM TO SUPERVISOR AND VICEVERSA

RECIPE CREATION
EXAMPLES



Recipe page

RECIPE CREATION
PROCEDURE



Recipe list (1)

Select the recipe with
the VISUALIZE button (2)

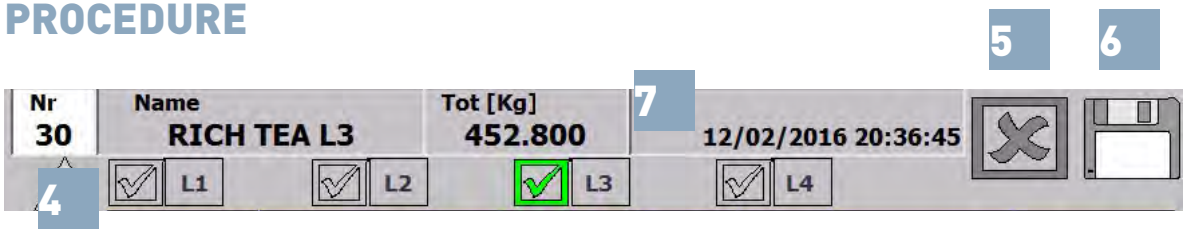
List can contain up to 300 recipes

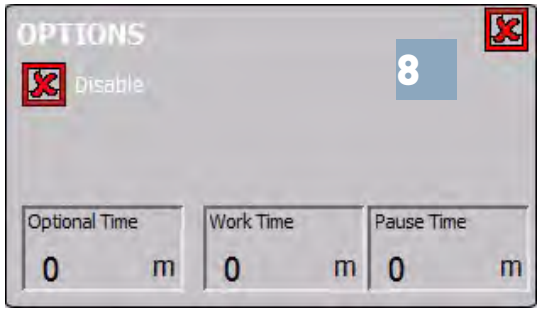
Recipe detail (3)

Visualizes the details of the selected
recipe

Click on any step and enter product number and name, weight, speed of dosing, temperature, unloading step...

RECIPE CREATION
PROCEDURE





Step options
to select an activity as a step (mixing, cooling...) and set a duration time for such activities (8)

Unloading steps
Step is green if includes an unloading. Click on arrow to see what hopper is unloaded in the step (9)

Header, step options and unloading steps

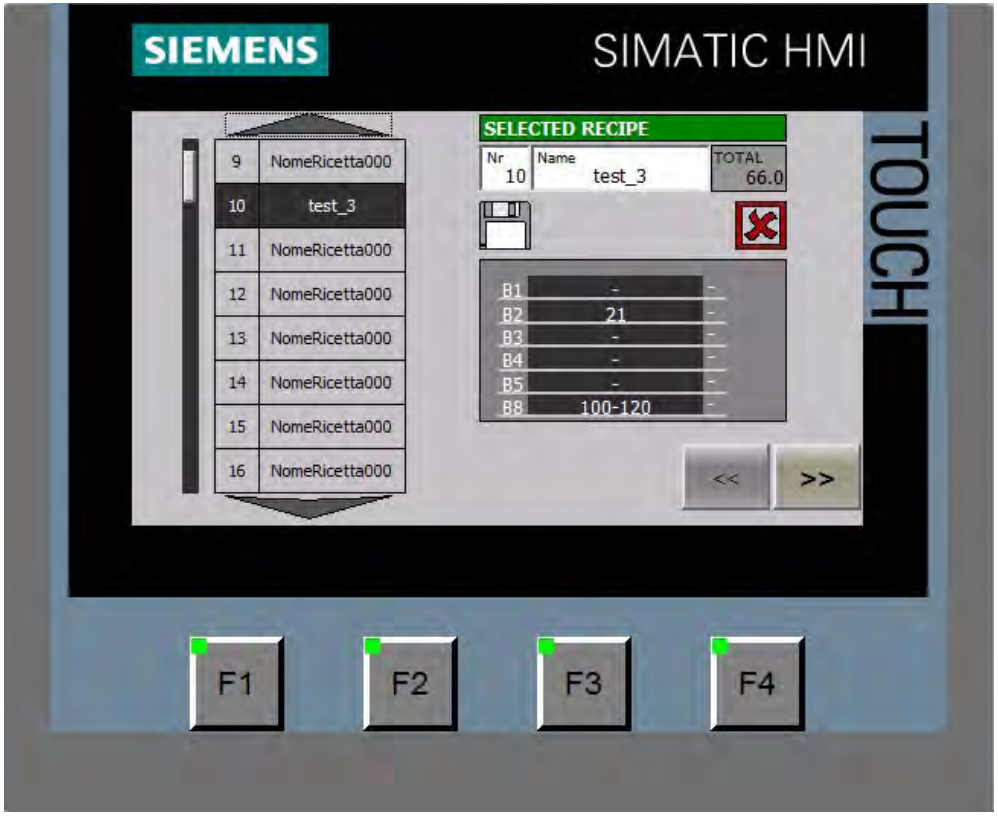
Flag the lines the reciped is destined to (4)

Press RESET to reset all recipe steps (5)

Press SAVE to save the recipe (6)

The recipe header shows number, name, total weight and time of last memorization (7)

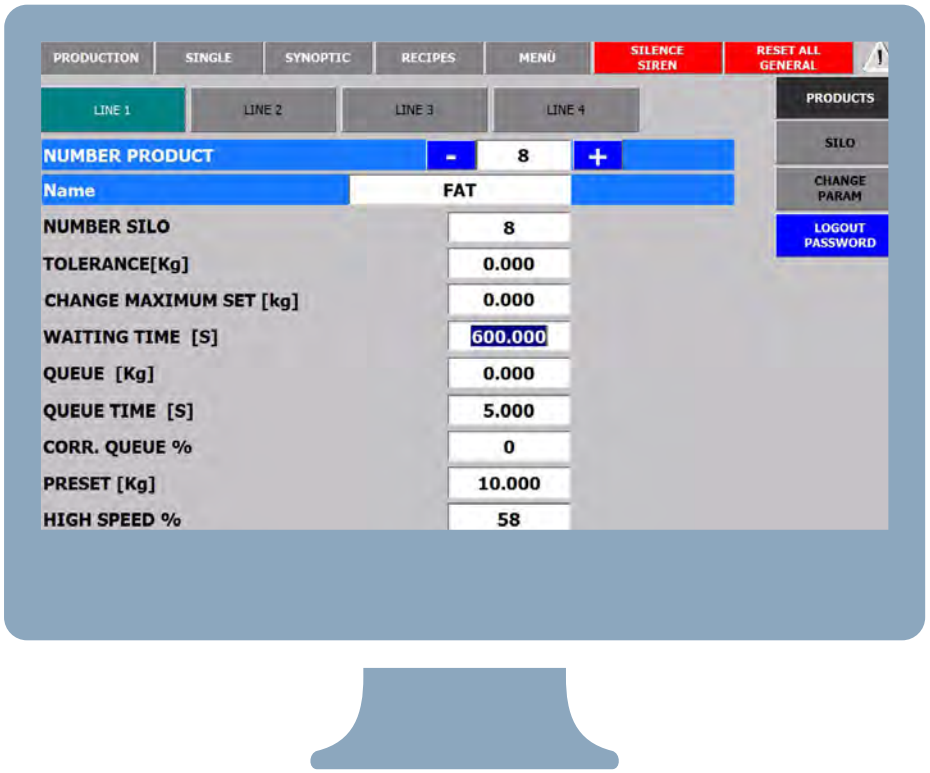
RECIPE CREATION
EXAMPLES



Recipe creation on Touch panel TP400 controlling the line

OPERATOR PANEL
TOUCH PANEL AND PC PANEL

PARAMETERS SETTING



SET:

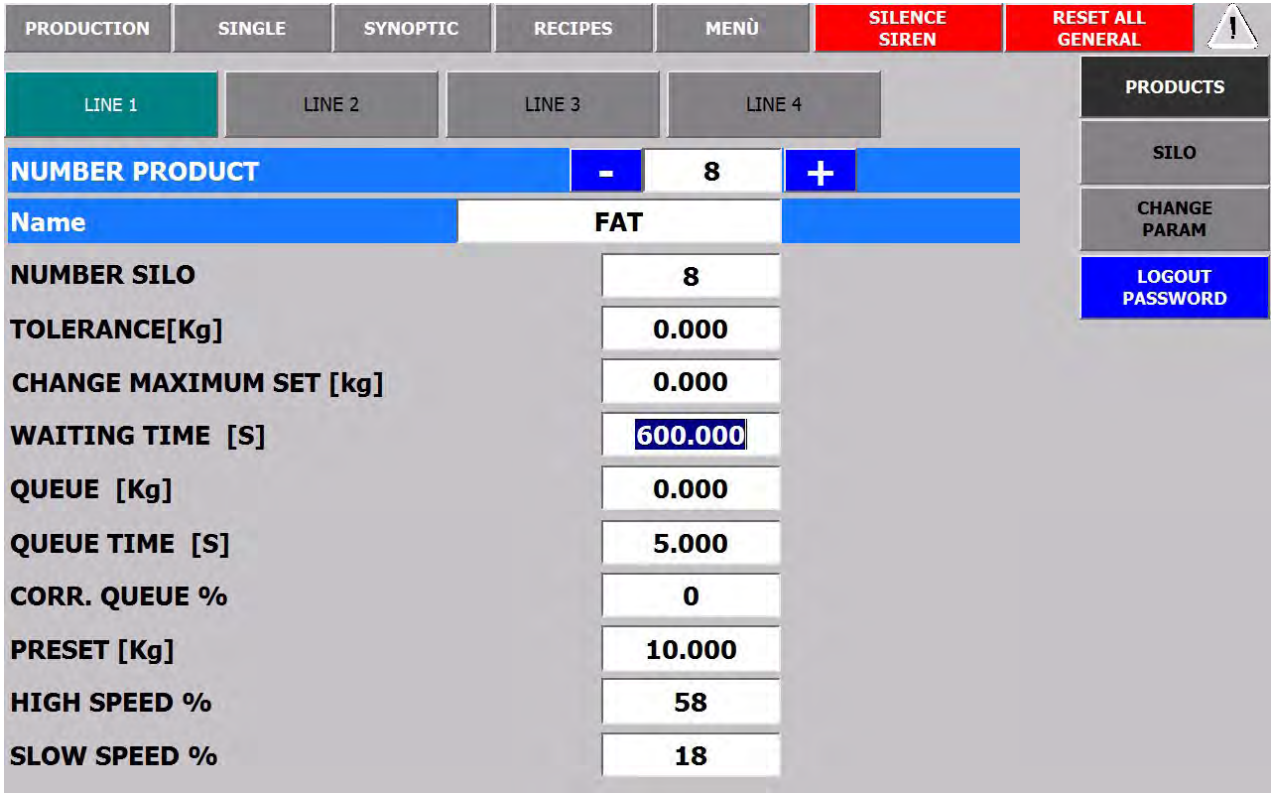
PRODUCT PARAMETERS FOR THE DOSING, STORING AND CHANGE

HOPPER PARAMETERS

PLANT AND LINE DATA

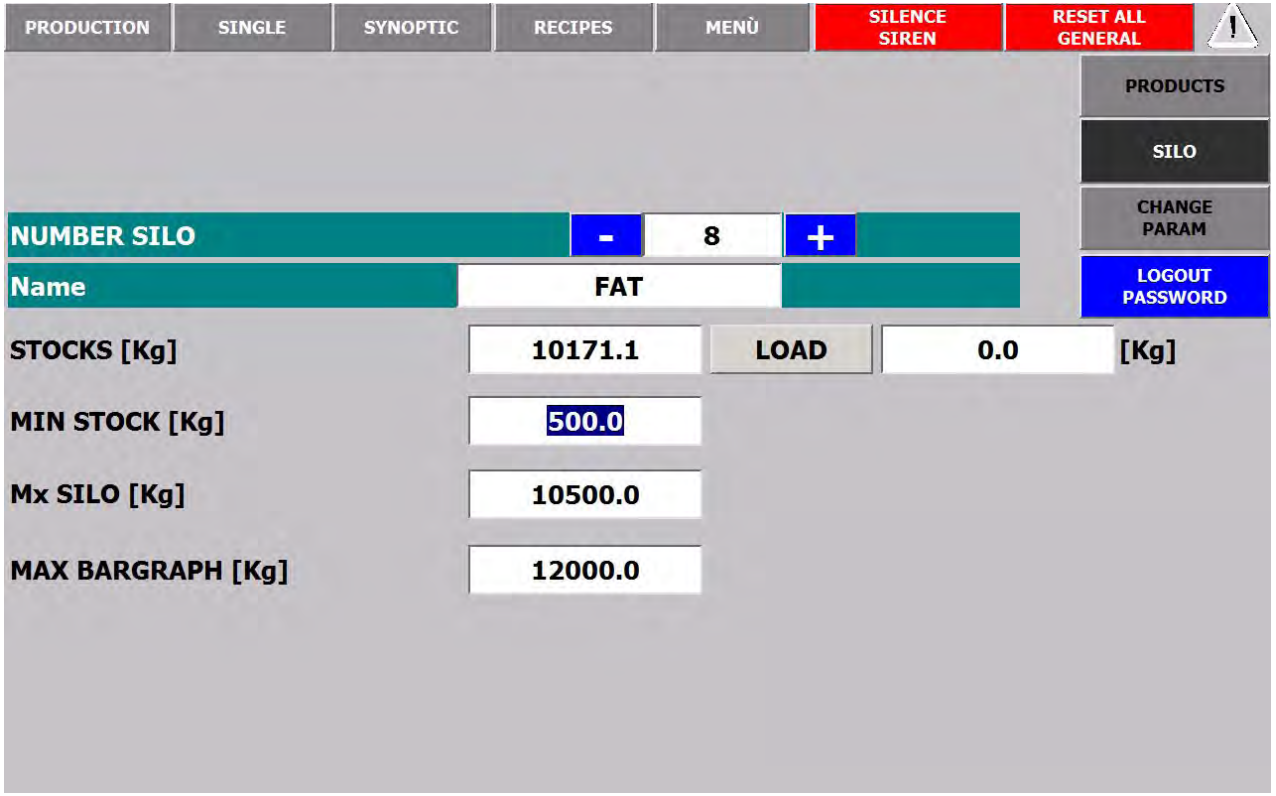
SYSTEM PARAMETERS

PARAMETERS SETTING
EXAMPLES



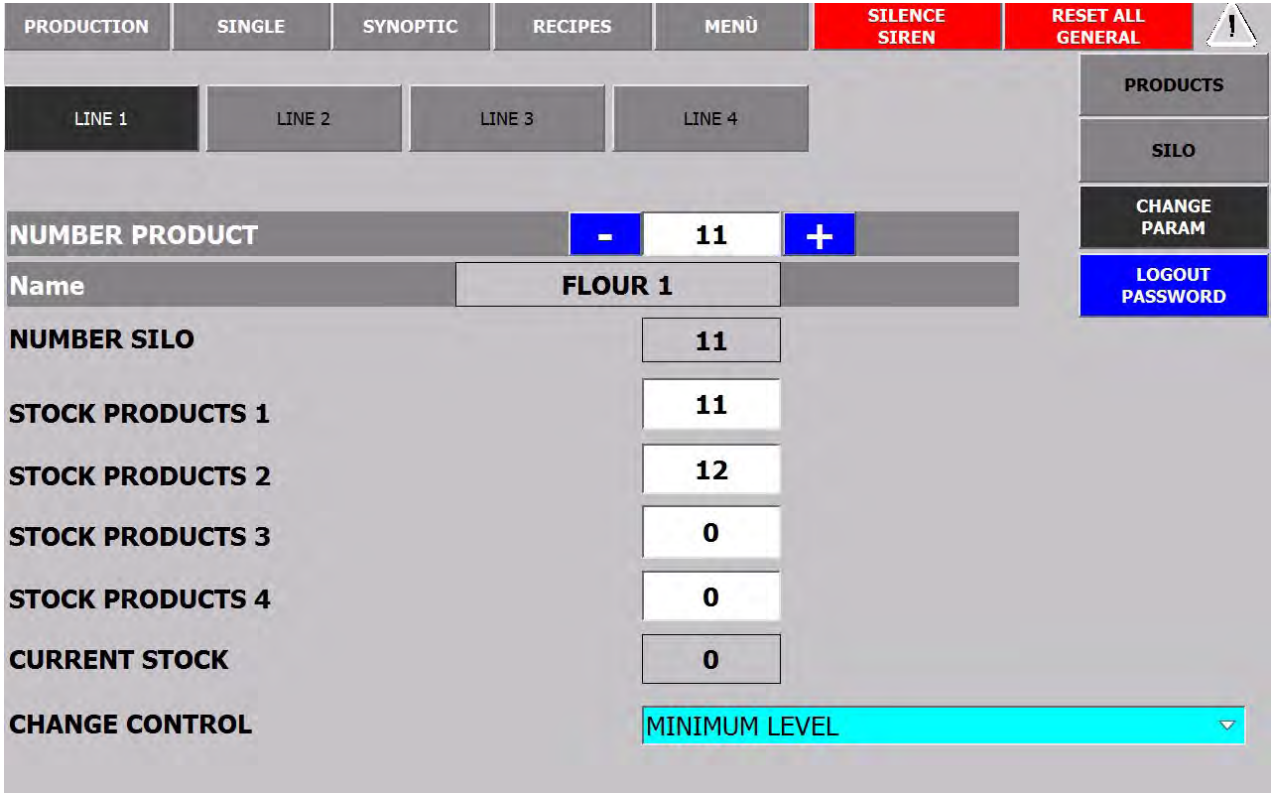
Product parameters for the dosing

PARAMETERS SETTING
EXAMPLES



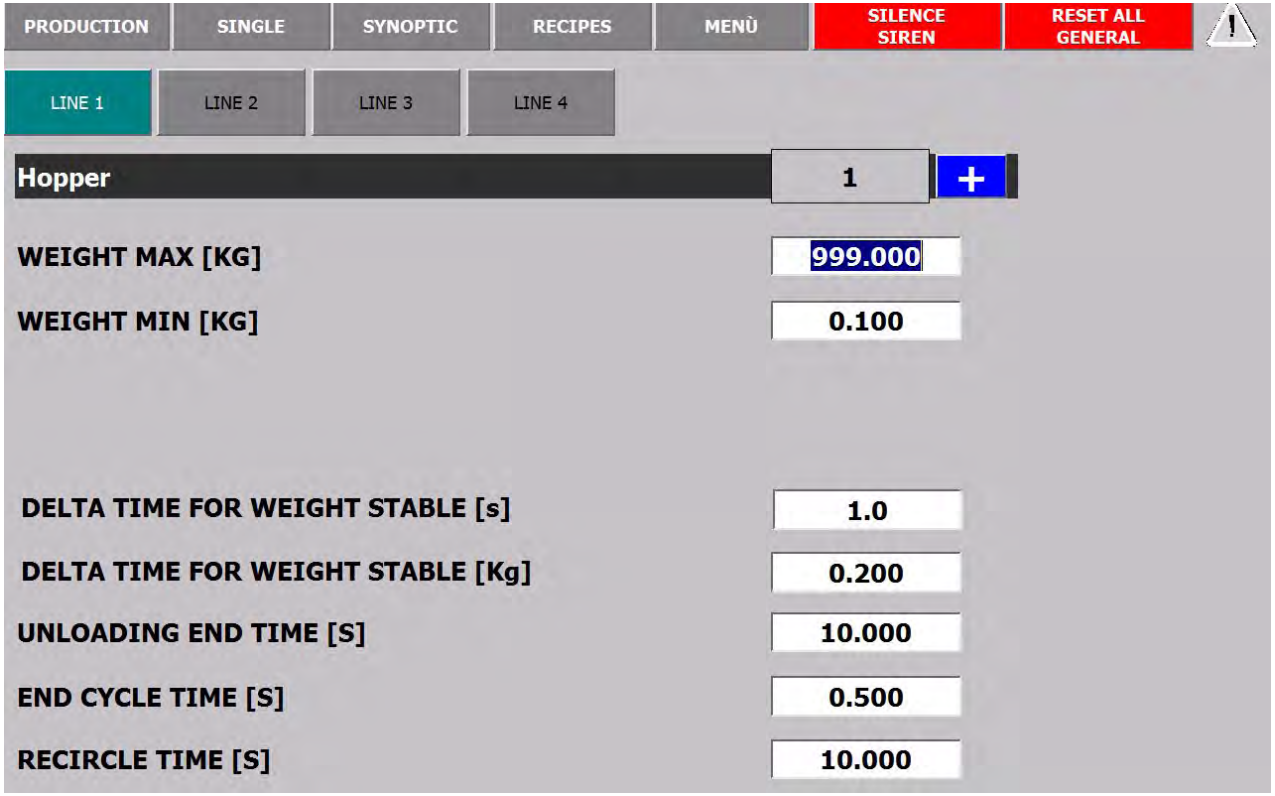
Product parameters for the storing

PARAMETERS SETTING
EXAMPLES



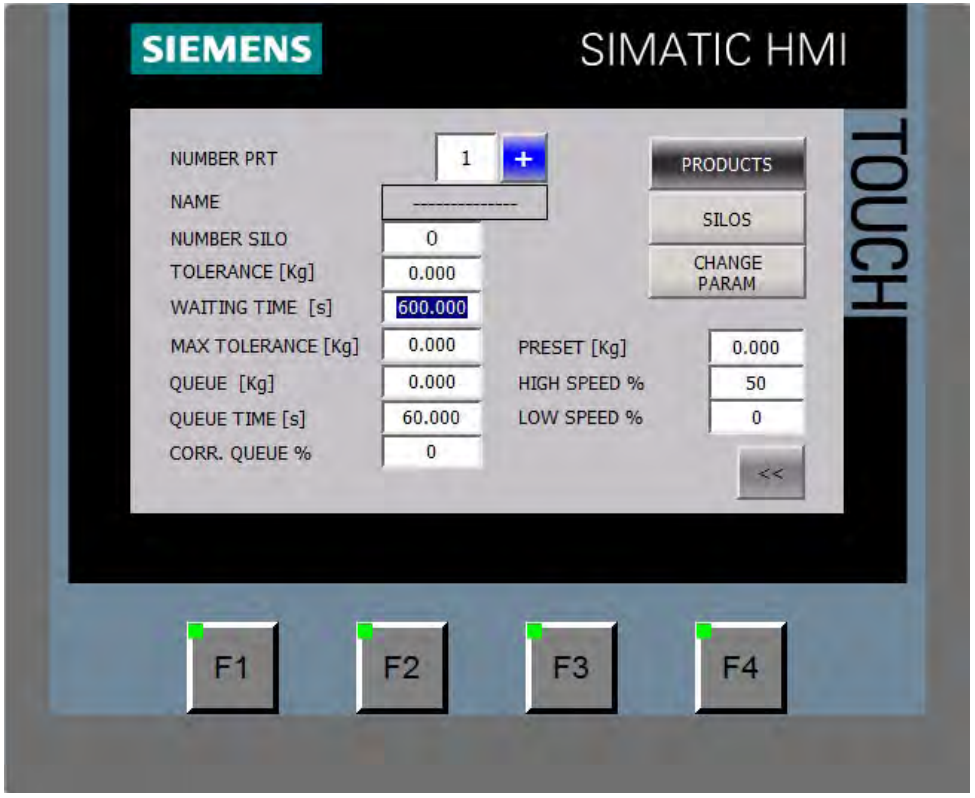
Product parameters for the change

PARAMETERS SETTING
EXAMPLES



Hopper parameters

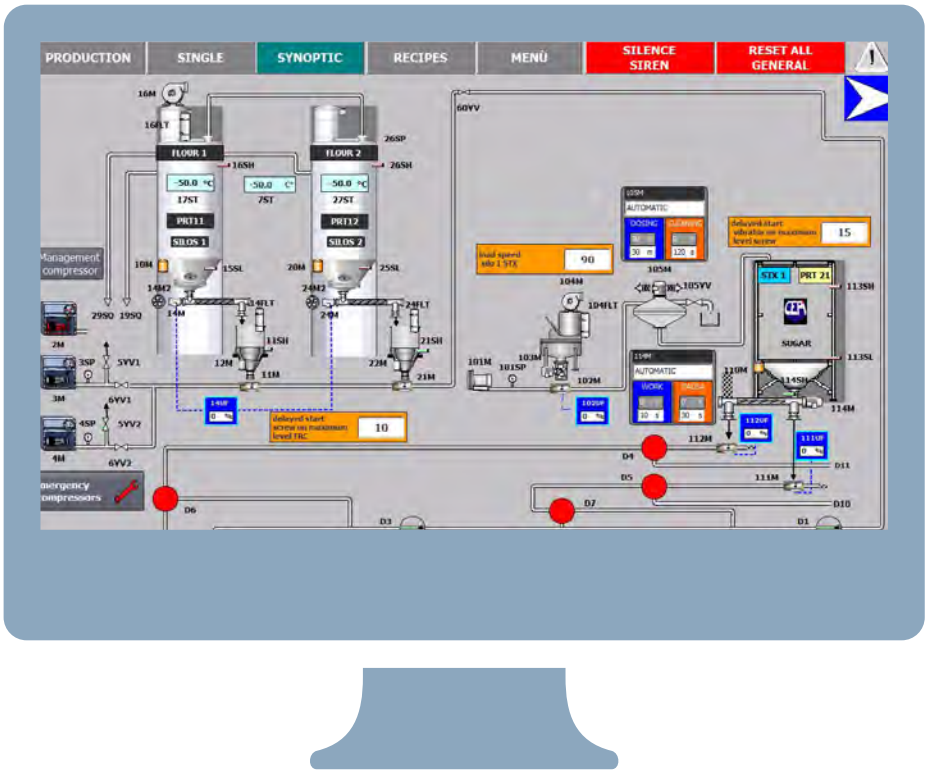
PARAMETERS SETTING
EXAMPLES



Product parameters on Touch panel TP400 controlling the line

OPERATOR PANEL
TOUCH PANEL AND PC PANEL

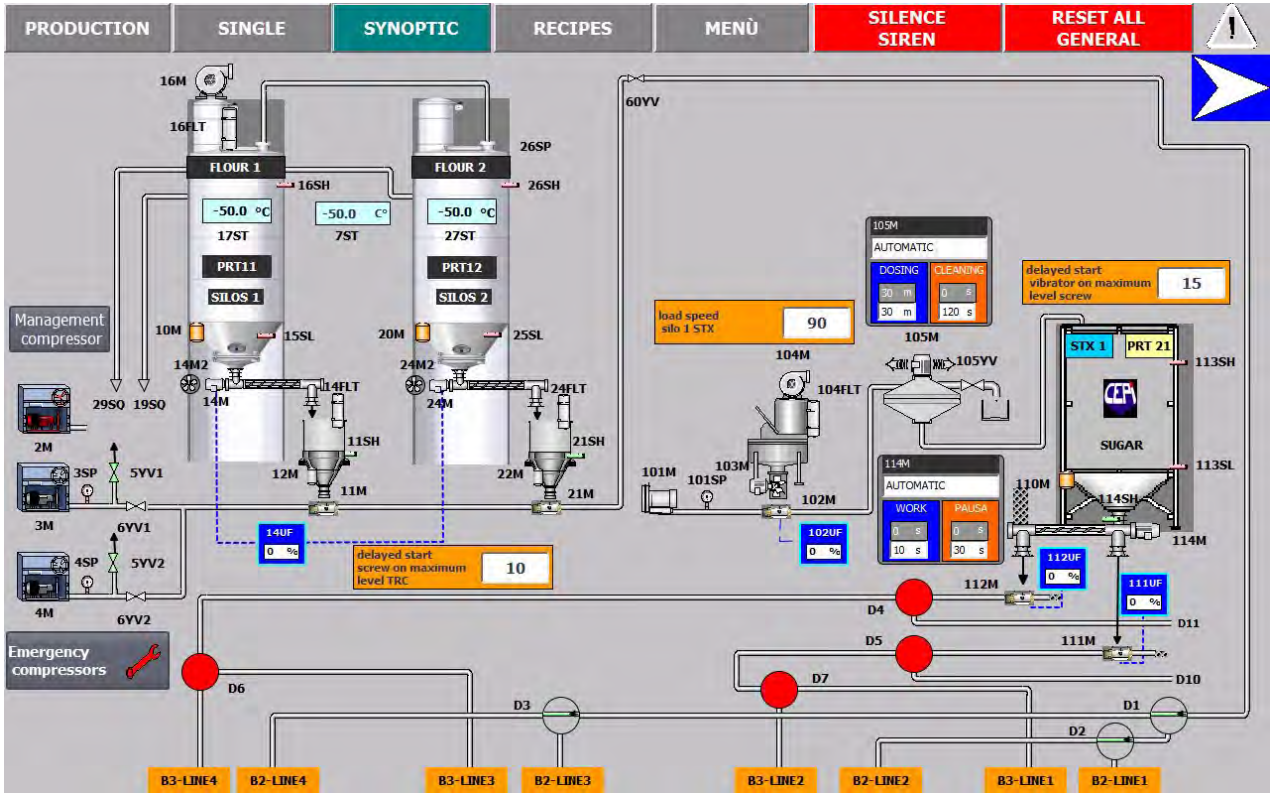
OVERVIEW



OVERVIEW OF THE PLANT

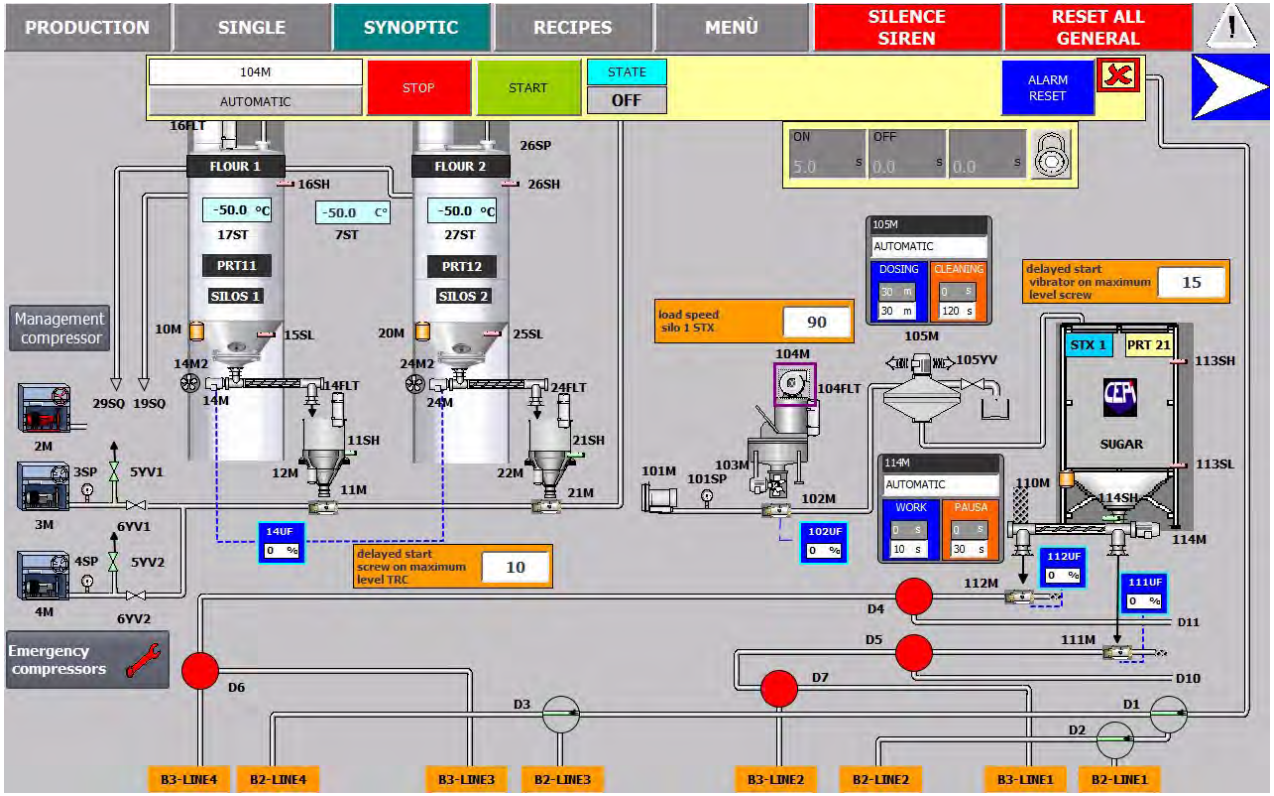
MAINTENANCE WITH MANUAL WORKING MODALITY

OVERVIEW
EXAMPLES



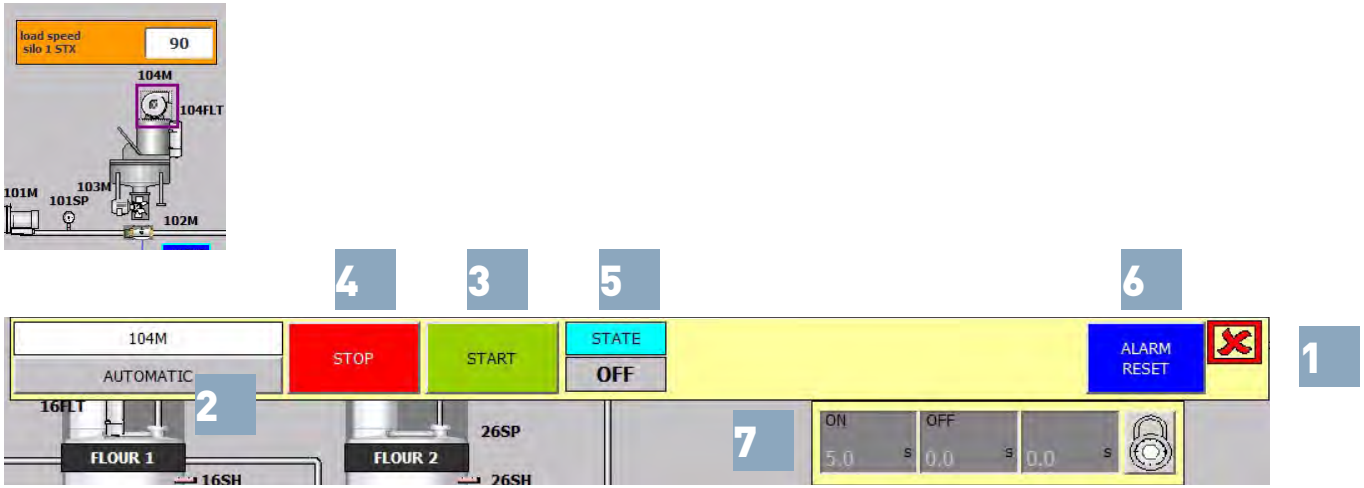
Overview of silos

OVERVIEW
EXAMPLES



Maintenance

MAINTENANCE
PROCEDURE



STATE
Shows the state of the utility
If the utility is under inverter, its speed is shown in the SPEED (%) field (5)

RESET
Press to reset eventual alarms of the selected utility only (6)

TIMES panel
Set sensitive times for the utilities. Special parameters for filters and sensors (7)

Command an utility in the manual working modality

Manual commands
Click on the utility to visualize its manual commands (1)

AUTOMATIC/MANUAL button
Press to switch the utility to the manual or automatic working modality (2)

RUN
Press to start the utility (3)

STOP
Press to stop the utility (4)