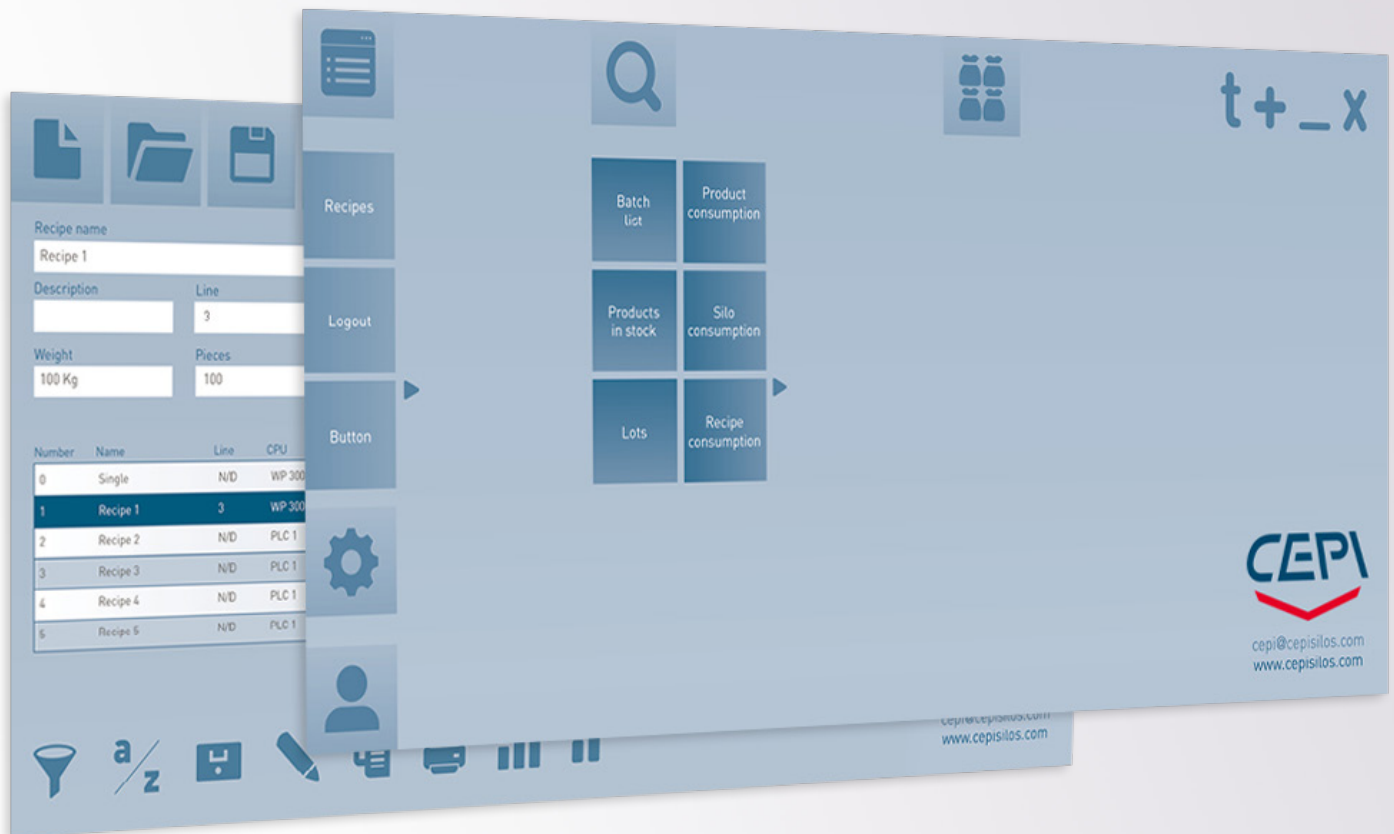


CEPI Traceability System

Software providing process control, traceability, warehouse management, and total information exchange



Storing and recipe data history

Batch report

Material consumption report with dynamic visualization

Digitalization with barcode system

SQL database

Available for queries from a third party system

Communication with ERP / MES

Remote support



Bakery &
Biscuits



Confectionery



Pasta &
Cereals



Dairy



Premix



Baby food &
functional food



Pet food



Beverages



Chemical

CEPI provides a turn-key system that includes the automation. Hardware and software design is done completely in-house, and each system is the result of a decades long experience of parallel development alongside the mechanical side. With a team of 24 programmers, we provide technical and human continuity through the development of a project that can become highly specific and complex. Our solutions provide full horizontal and vertical integration, managing dialogue and data received by other partners operating in the lines, after the dosing and before the raw ingredients management.

For the management of process data, CEPI Traceability System software provides:

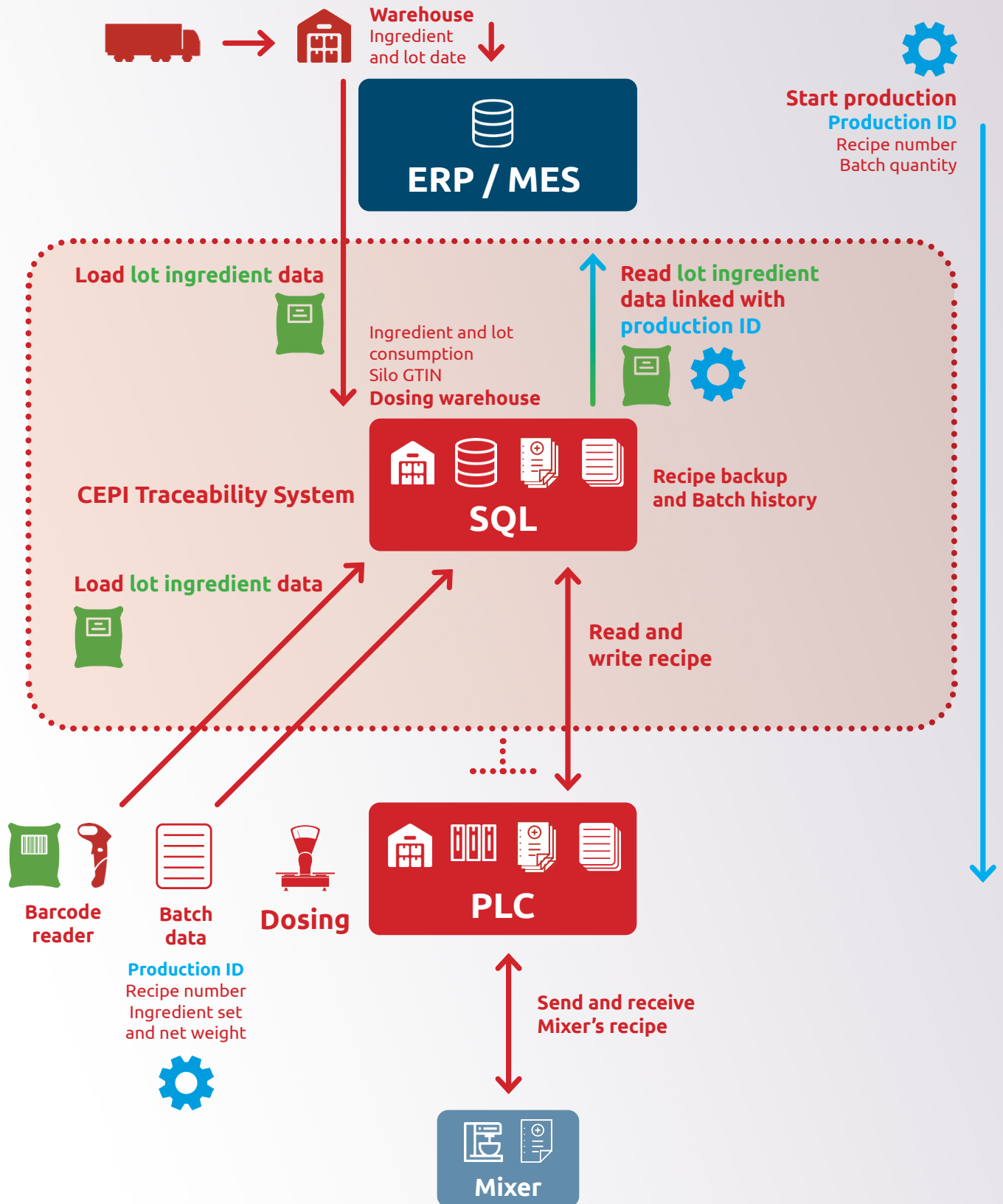
- Full traceability
- Warehouse management
- Total information exchange with SQL database
- Communication with ERP / MES

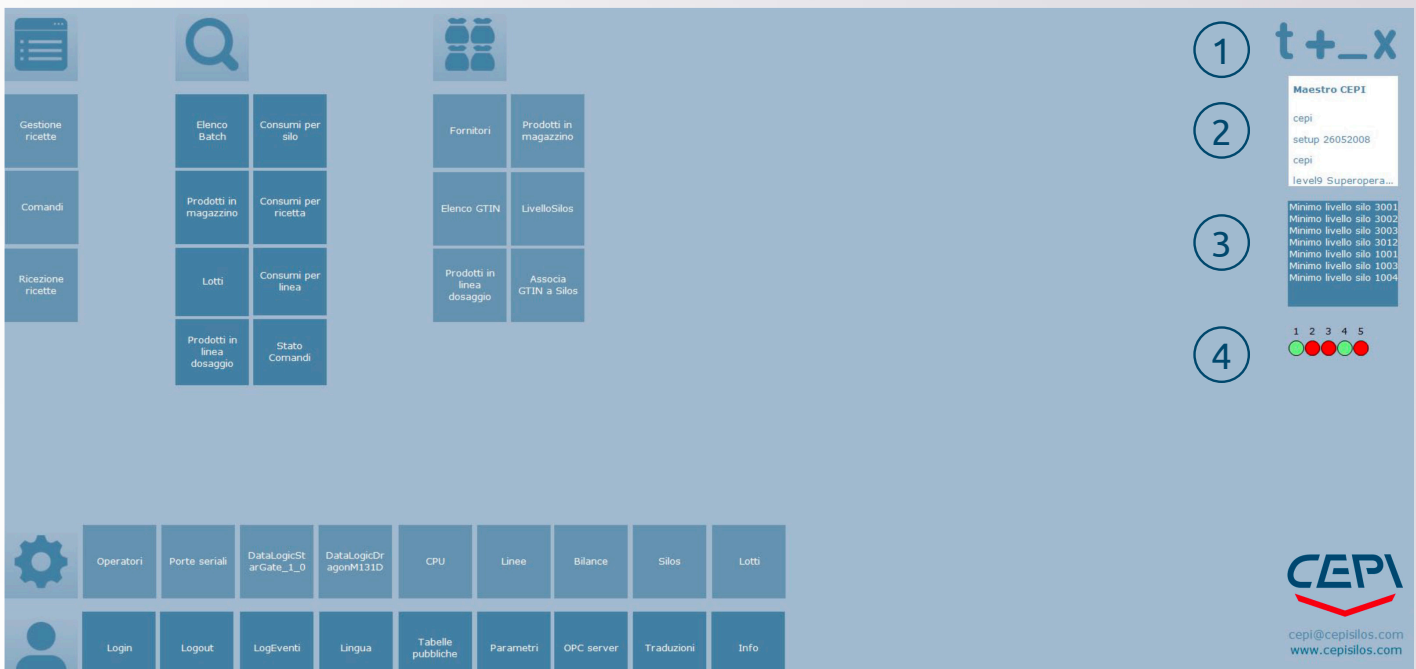
The automation team provides full 24/7 support which includes:

- testing, optimization, start-up and training
- remote support on all tools with live visualization on VPN network
- remote management of production and intervention on the source code
- virtual and personalized tutorials
- live assistance with dedicated devices
- support from local teams who are fully trained in our devices and are part of our global network



Architecture of the traceability operations





Recipe control

Create, change, duplicate
Send or receive from/to dosing devices

Visualizations

1



Traceability

Batch report
Consumption analysis

User information

2

Alarm list

3

Communication

4



Warehouse management

Supplier management
Products in warehouse and in dosing line
Silo GTIN



Device settings



User settings

System requirements

Windows 7 Professional (32/64 bit)
with Microsoft .Net Framework 4.5.1
Minimum screen resolution 1280 x 800
Minimum microprocessor INTEL i3
RAM 4 GB
Hard Disk 256 GB
2 x Ethernet card

Ricetta

CPU: 328 WP300_1 | Nome ricetta: single | Numero: 0

Peso: 1,00

Descrizione: single

Codice: 0 | versione: 0

Interna: ☒ | pezzi: 0 | Data memorizzazio...: 27/06/2014 09:36:01

Passi

passo	prodotto	Scarico
1	vidange (VIDANGE)	
Peso	temperatura	Scarico
0,00	0,00	0

CPU	Numero	invia	batch	Nome	Peso	Modifica	pezzi	Data	ID	versione	Tipo
328 ...	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	single	1,00	cepi	0	27/06/201...	1	0	Automatic
328 ...	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PETIT CLA...	62,00	cepi	0	07/04/201...	21	0	Automatic
328 ...	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	REGULAR	62,00	default	0	17/03/201...	13	0	Automatic
328 ...	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	mythic	64,00	8	0	02/03/201...	10	0	Automatic
328 ...	4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TEST SCA...	0,00	8	0	30/06/201...	3	0	Automatic
328 ...	5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	sponge	62,00	8	0	02/03/201...	11	0	Automatic
328 ...	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	big tasty	62,00	cepi	0	17/03/201...	14	0	Automatic
328 ...	7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	sponge 40	40,00	cepi	0	24/02/201...	8	0	Automatic
328 ...	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	mythic	65,00	cepi	0	19/03/201...	17	0	Automatic
328 ...	9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GRAND BL...	62,00	cepi	0	19/03/201...	16	0	Automatic
328 ...	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BIG MAC	63,00	cepi	0	19/03/201...	15	0	Automatic
328 ...	11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	FARINE 40...	61,50	cepi	0	03/03/201...	12	0	Automatic
328 ...	12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EAU 22Kg	22,00	cepi	0	19/03/201...	18	0	Automatic
328 ...	13	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EAU 23	23,00	cepi	0	19/03/201...	19	0	Automatic
328 ...	14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TEST SCA...	0,00	8	0	30/06/201...	5	0	Automatic
328 ...	20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	L2 PETIT ...	35,20	8	0	20/03/201...	20	0	Automatic
328 ...	21	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TEST MAN	5,00	8	0	30/06/201...	6	0	Automatic

record 1/17

Passi

passo	Numero	prodotto	Peso	T°	Scarico	io
1	0	vidange (...)	0,000	0,0	0	0
2	0	vidange (...)	0,000	0,0	0	0
3	1	vts1 Farl...	1,000	0,0	0	0

record 1/3

CEPI
cepi@cepisilos.com
www.cepisilos.com

Create new recipe

Enter recipe name and number, dosing device, weight and pieces to produce, description, code, version, tolerance, minimum and maximum weight, silo, GTIN

Enter step details: product number, weight, temperature, unloading

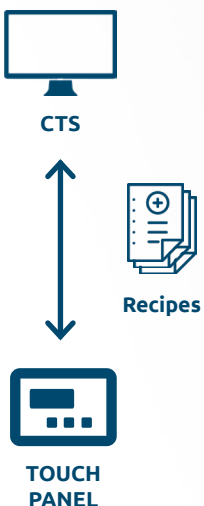
Flag internal only recipes

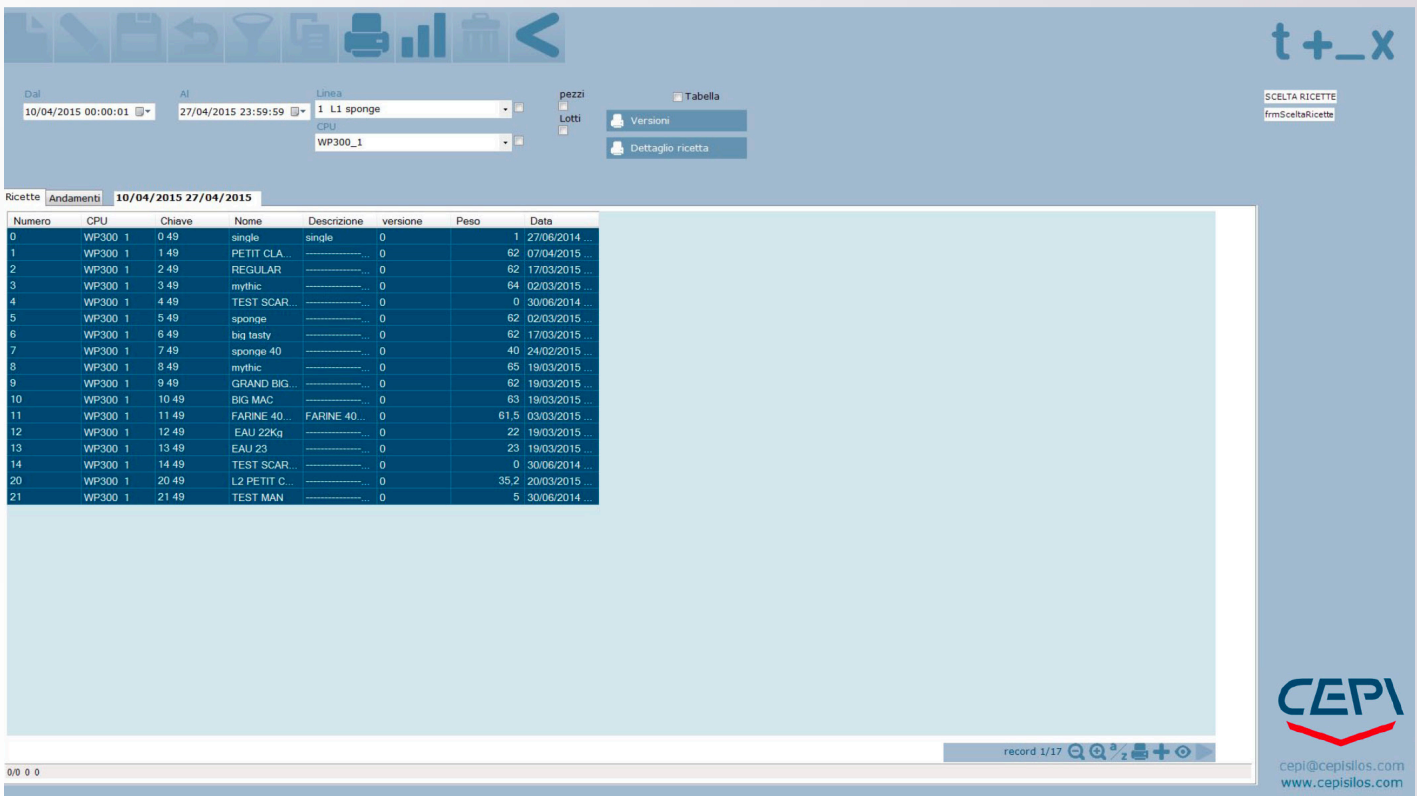
Flag batches that will be used later in other productions

Associate production line

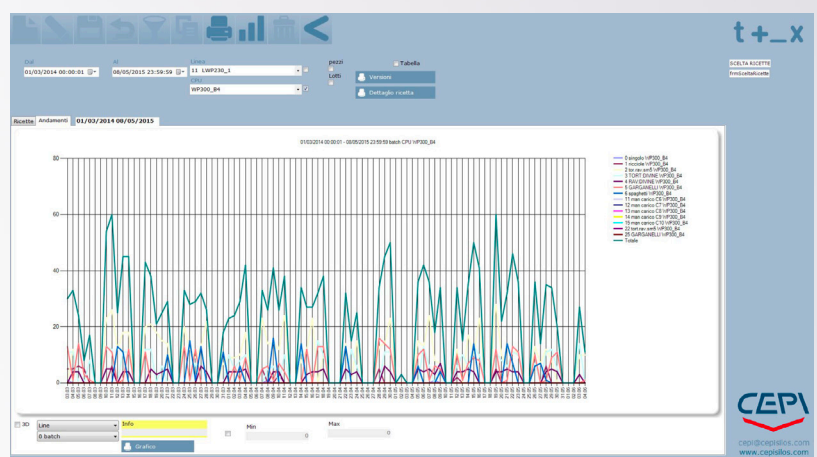
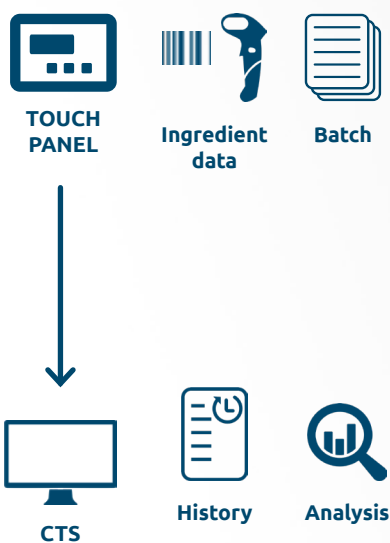
Change existing recipe

Duplicate recipe





Digitalization and history of all ingredient movements
 Dosing device, line, weight, time
 Consumption report and dynamic representation
 Analysis by product, recipe, lot and during any time interval



Dynamic representations of consumptions

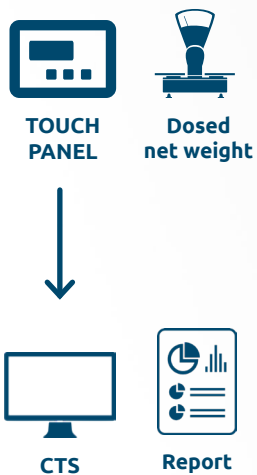
The screenshot displays the CEPI Traceability System interface. At the top, there is a navigation bar with icons for various functions. Below this, a search filter is visible with the following details:

- Dal:** 10/04/2015 00:00:01
- A:** 27/04/2015 23:59:59
- Linea:** 1 L1 sponge
- CPU:** WP300_1
- pezzi:** 1
- Tabella:** Versioni
- Dettaglio ricetta:** Dettaglio ricetta

Below the search filter, a table lists recipes with the following columns: Numero, CPU, Chiave, Nome, Descrizione, versione, Peso, and Data. The table contains 21 rows of data, including recipes like 'PETIT CLA...', 'REGULAR', 'mythic', 'TEST SCAR...', 'sponge', 'biq tasty', 'sponge 40', 'mythic', 'GRAND BIG...', 'BIG MAC', 'FARINE 40...', 'EAU 22Kg', 'EAU 23', 'TEST SCAR...', 'L2 PETIT C...', and 'TEST MAN'.

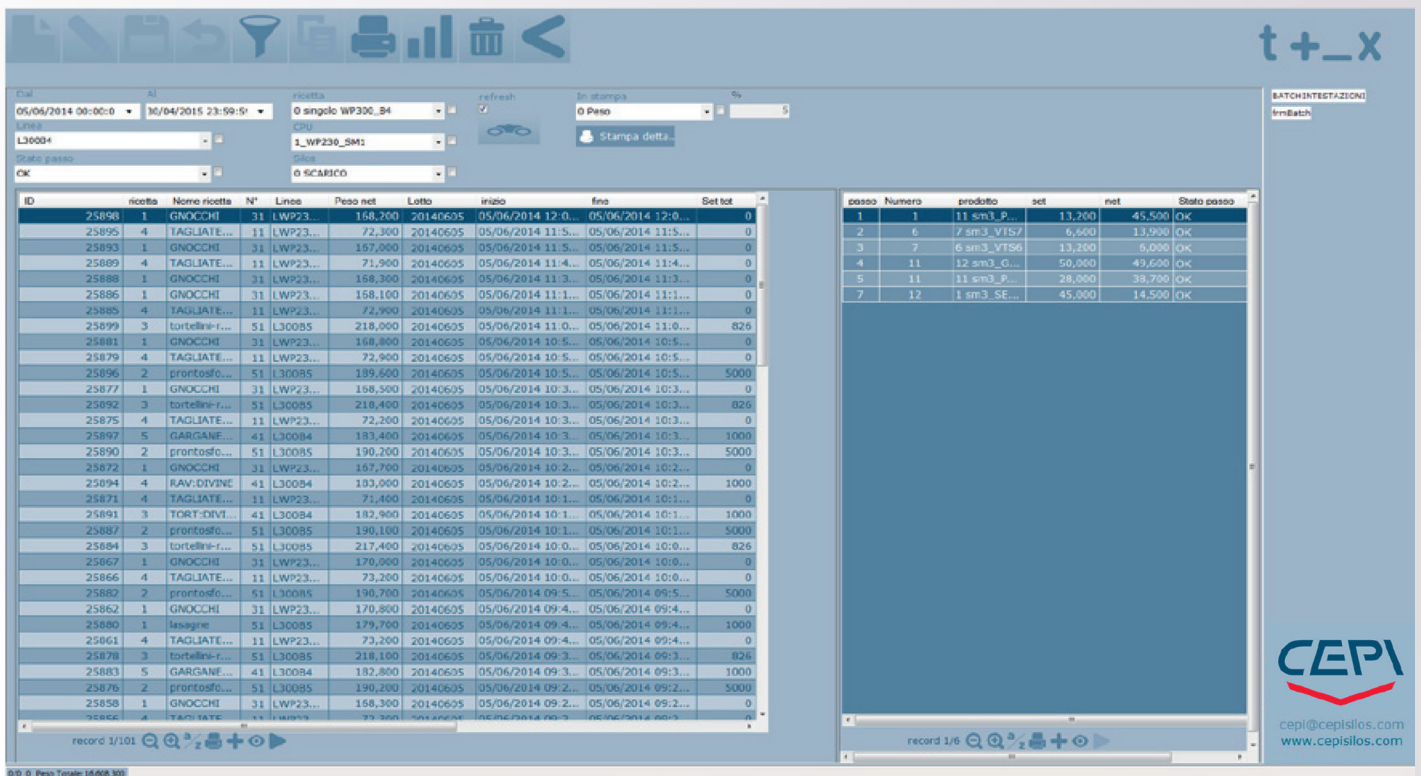
At the bottom right, the CEPI logo is visible, along with the website address cepi@cepisilos.com and www.cepisilos.com.

Receives dosed net weights in real time
Report and dynamic representation



Difference between dosed net weights
and set-points

Warehouse management



Receives production data from dosing devices
Batch report and dynamic representation
Stock visualization and trend



TOUCH
PANEL



Batch



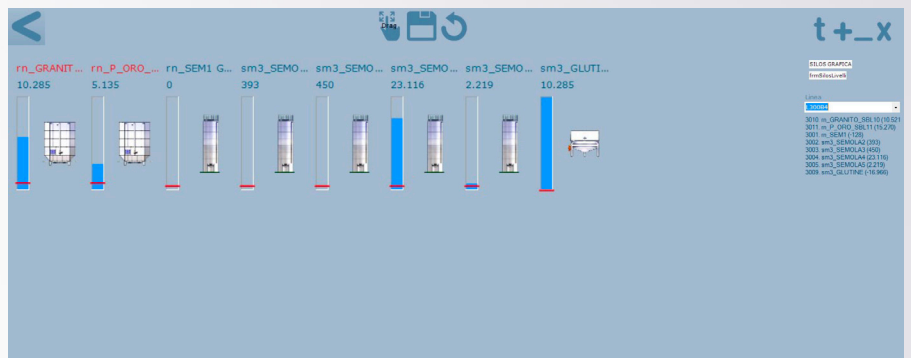
CTS



Report

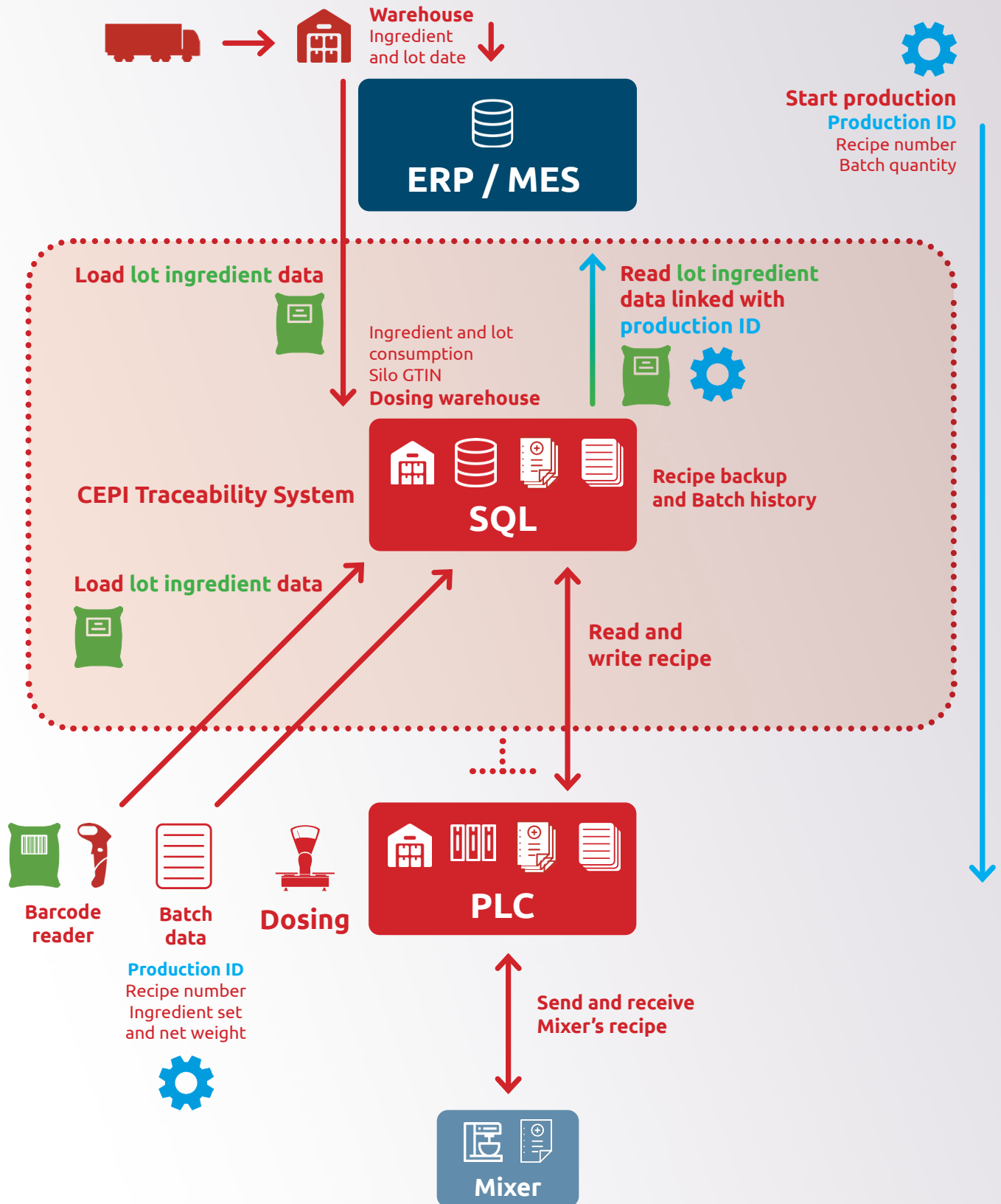


Stocks

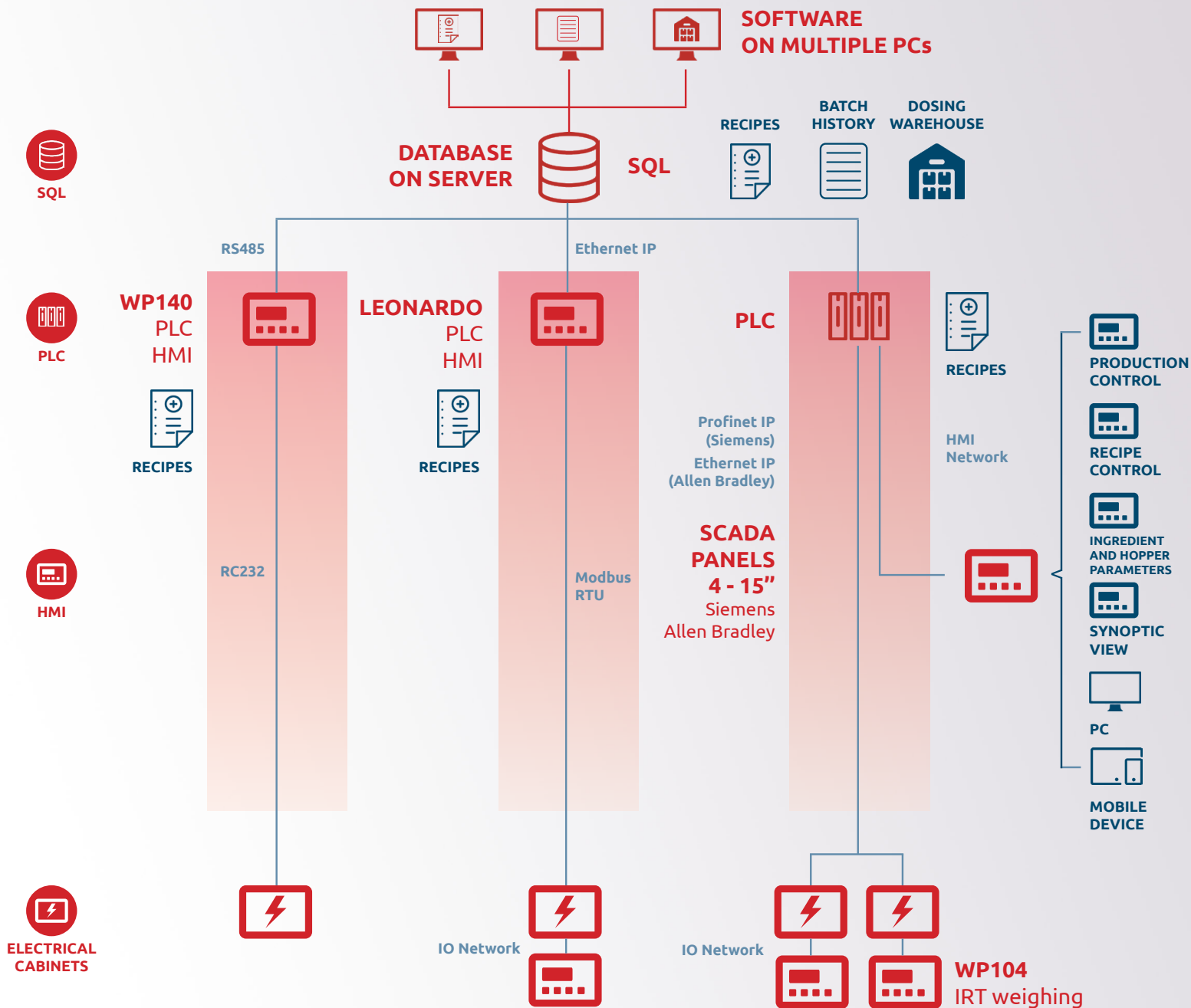


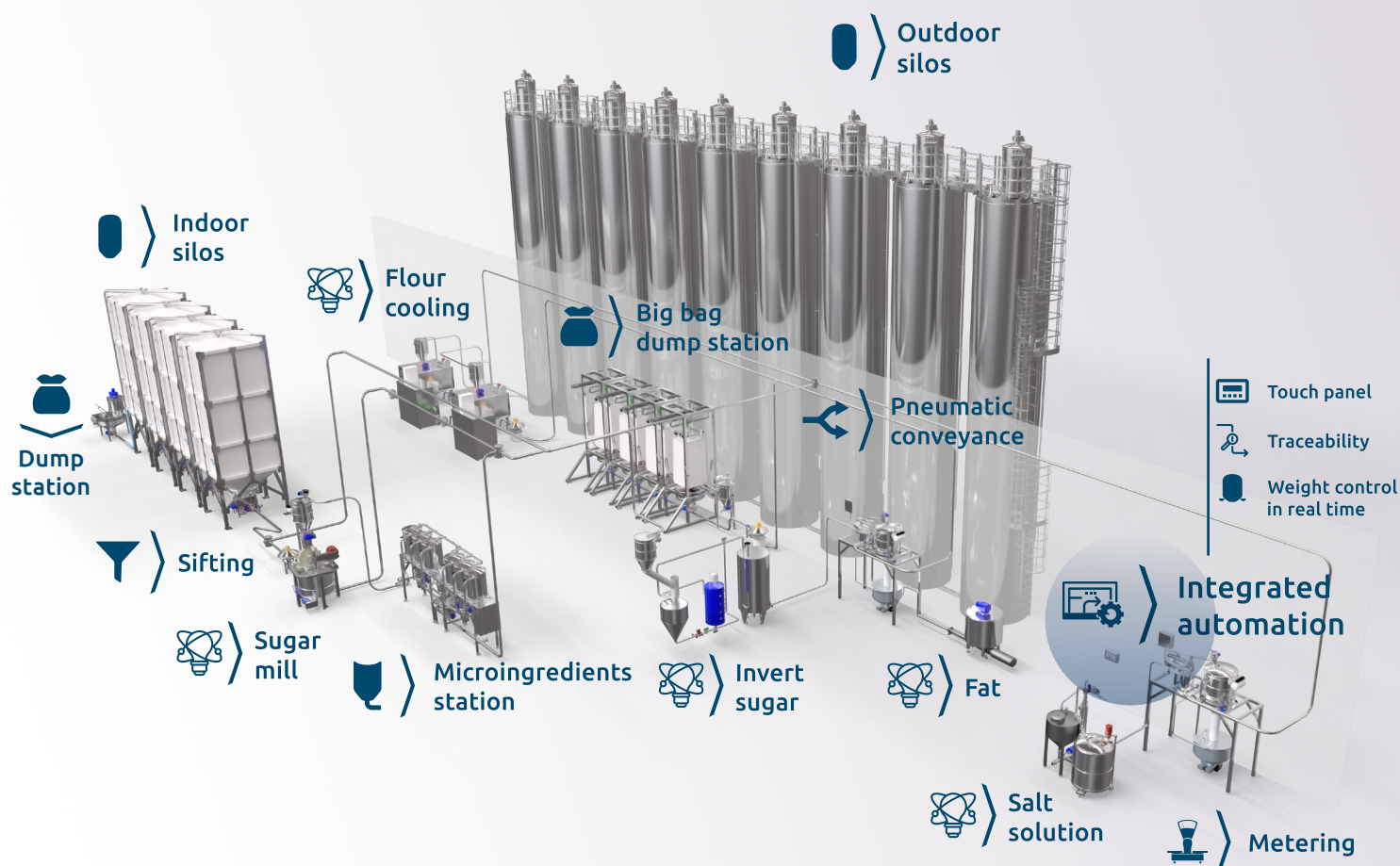
Current weight in each silo

Architecture of the traceability operations



Architecture of the automation system





Bulk-handling systems for the food industry since 1985



STORING



CONVEYING



DOSING



AUTOMATION

Product and process analysis
Engineering and control
Direct manufacture
Project management
Installation and commissioning
Monitoring and service



Bakery & biscuits
Confectionery
Pasta & Cereals
Dairy
Premix

Functional food
Baby food
Pet food
Chemical
Pharmaceutical