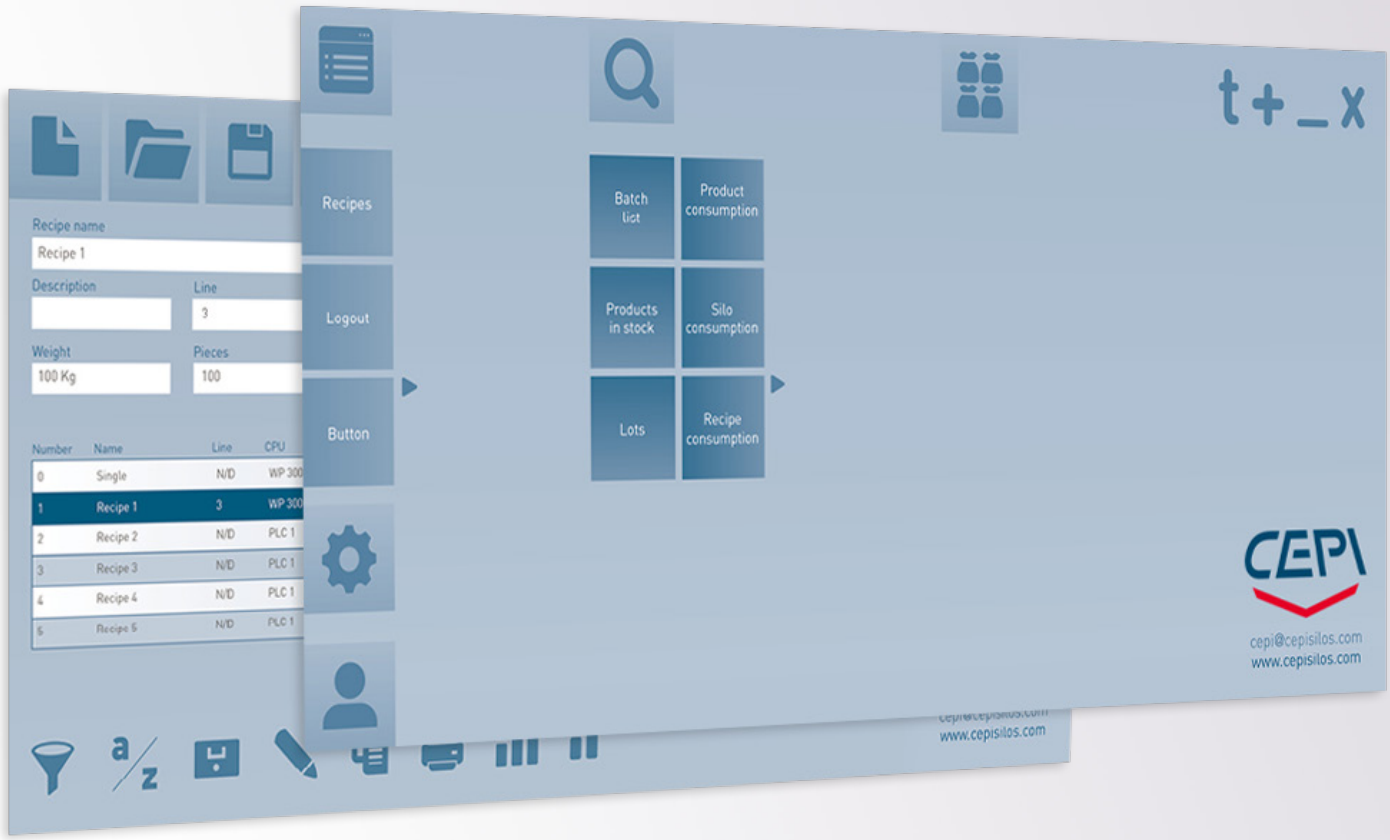
CEPI Traceability System

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

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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

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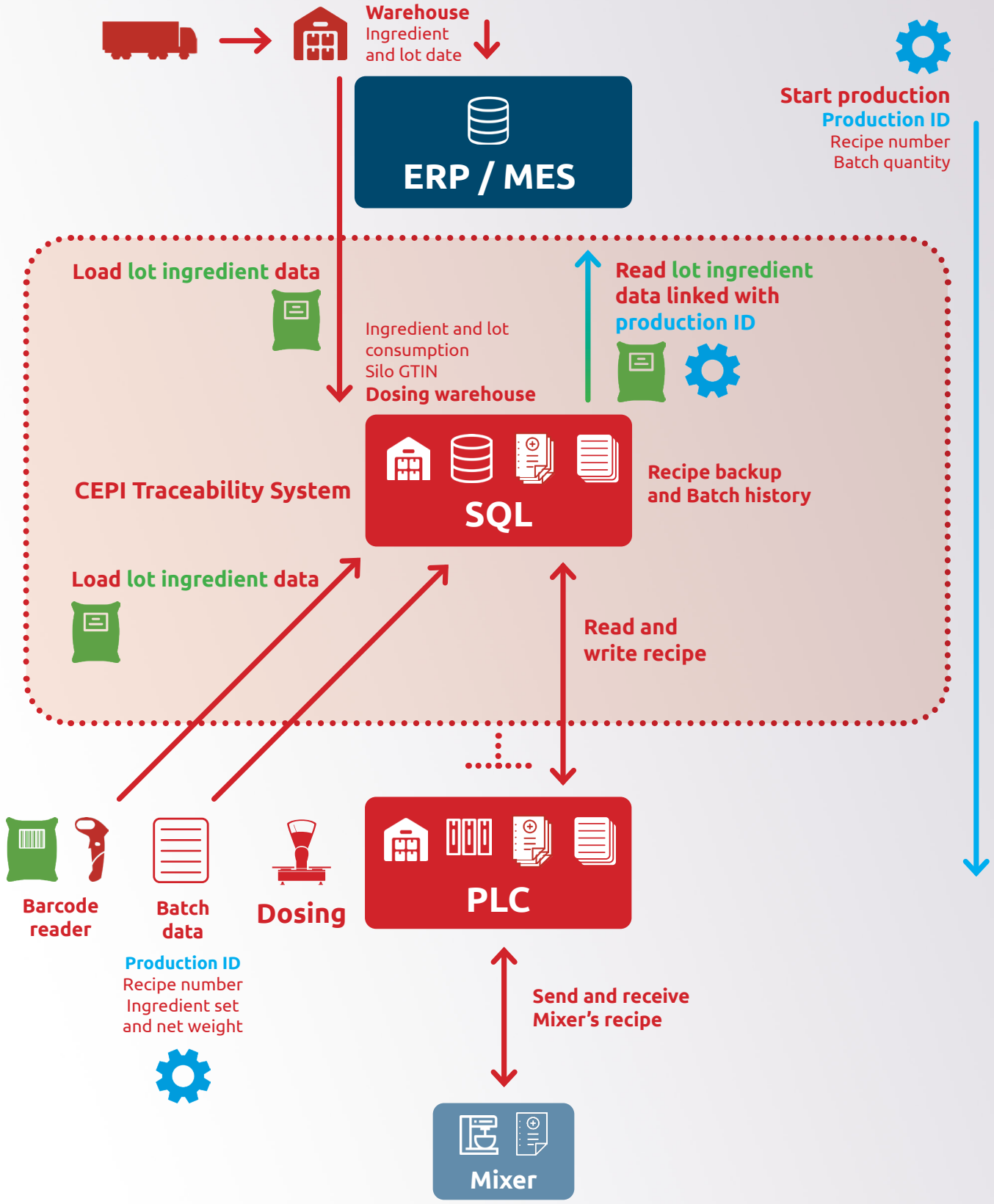
Architecture of the traceability operations



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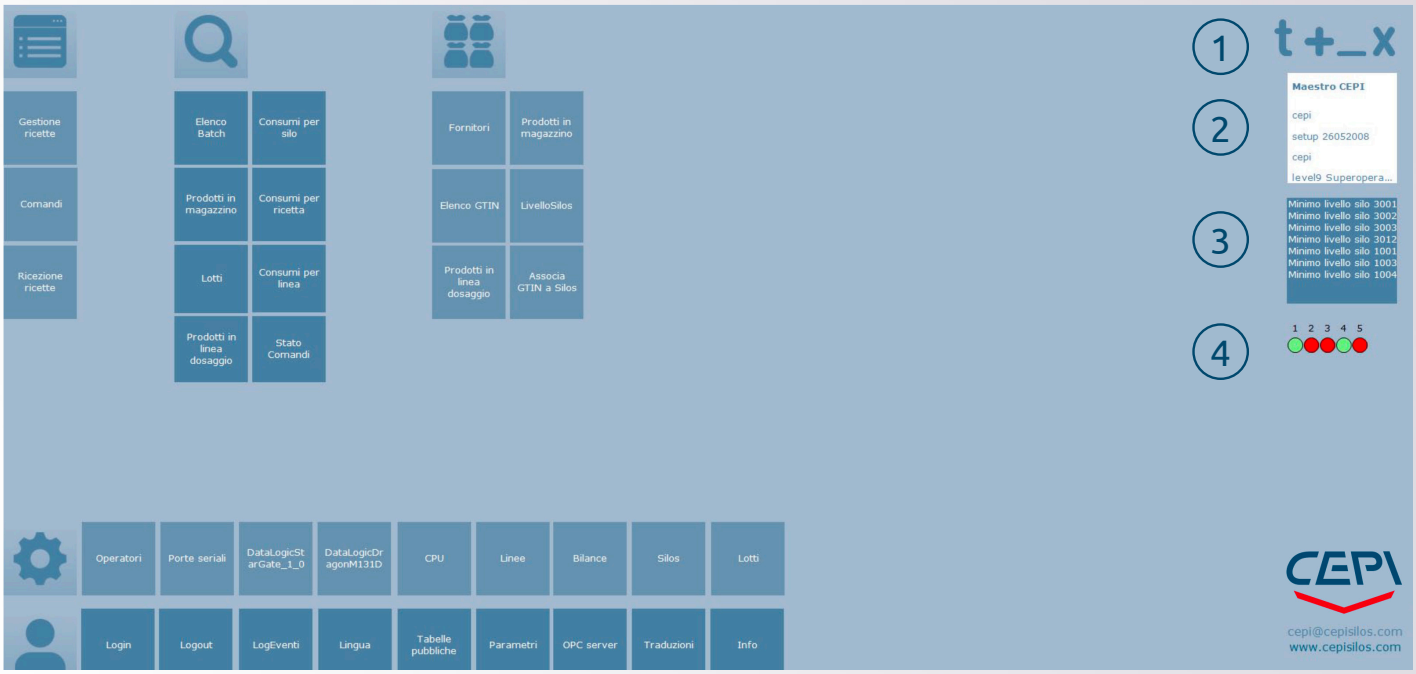
Main menu



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

Traceability
Batch report
Consumption analysis

Warehouse management
Supplier management
Products in warehouse and in dosing line
Silo GTIN

Device settings

User settings

Visualizations 1

User information 2

Alarm list 3

Communication 4

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

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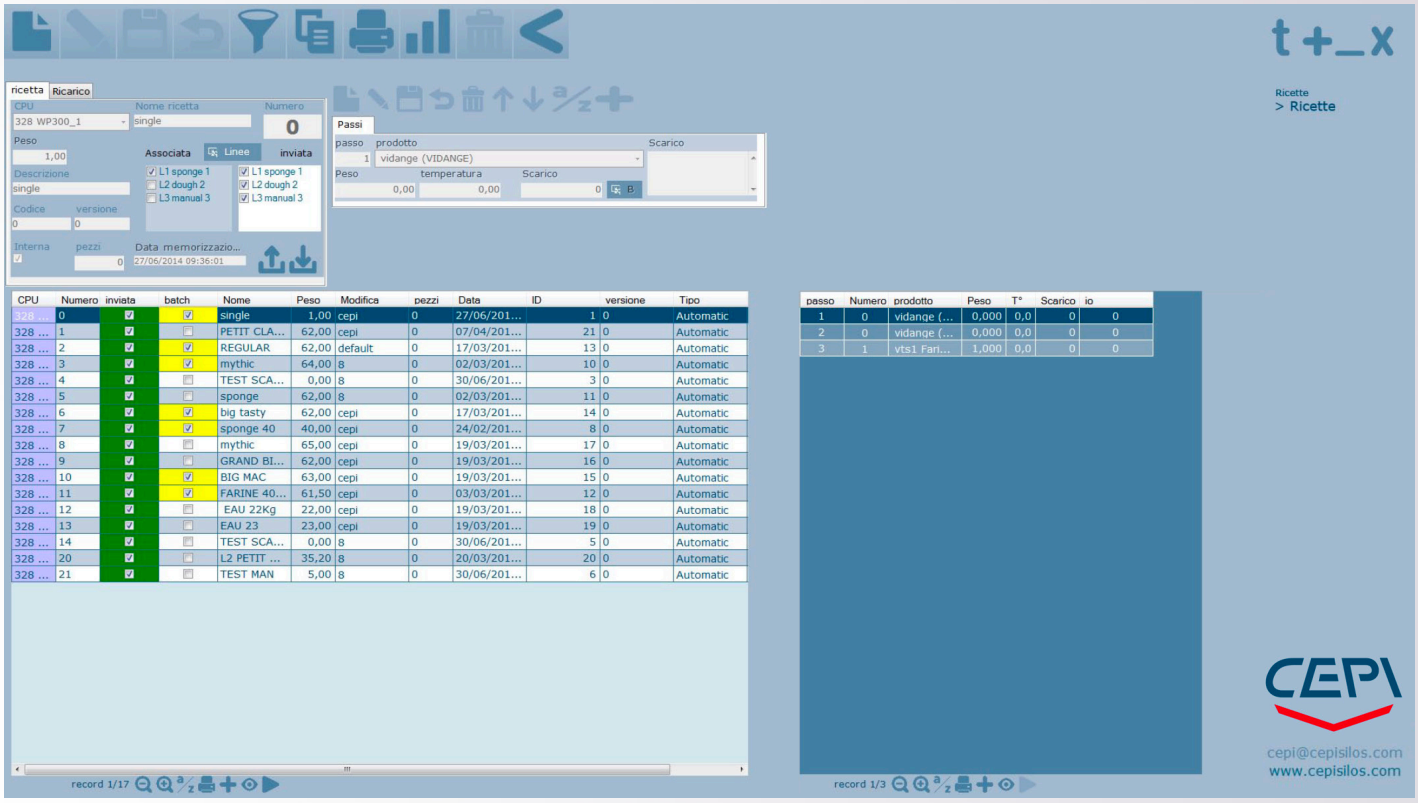
Recipe control



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

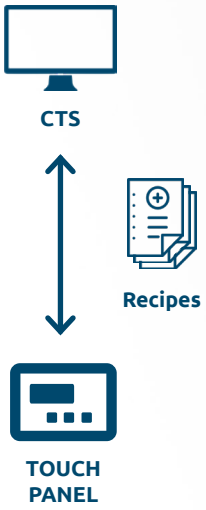
Flag internal only recipes

Flag batches that will be used later in other productions

Associate production line

Change existing recipe

Duplicate recipe



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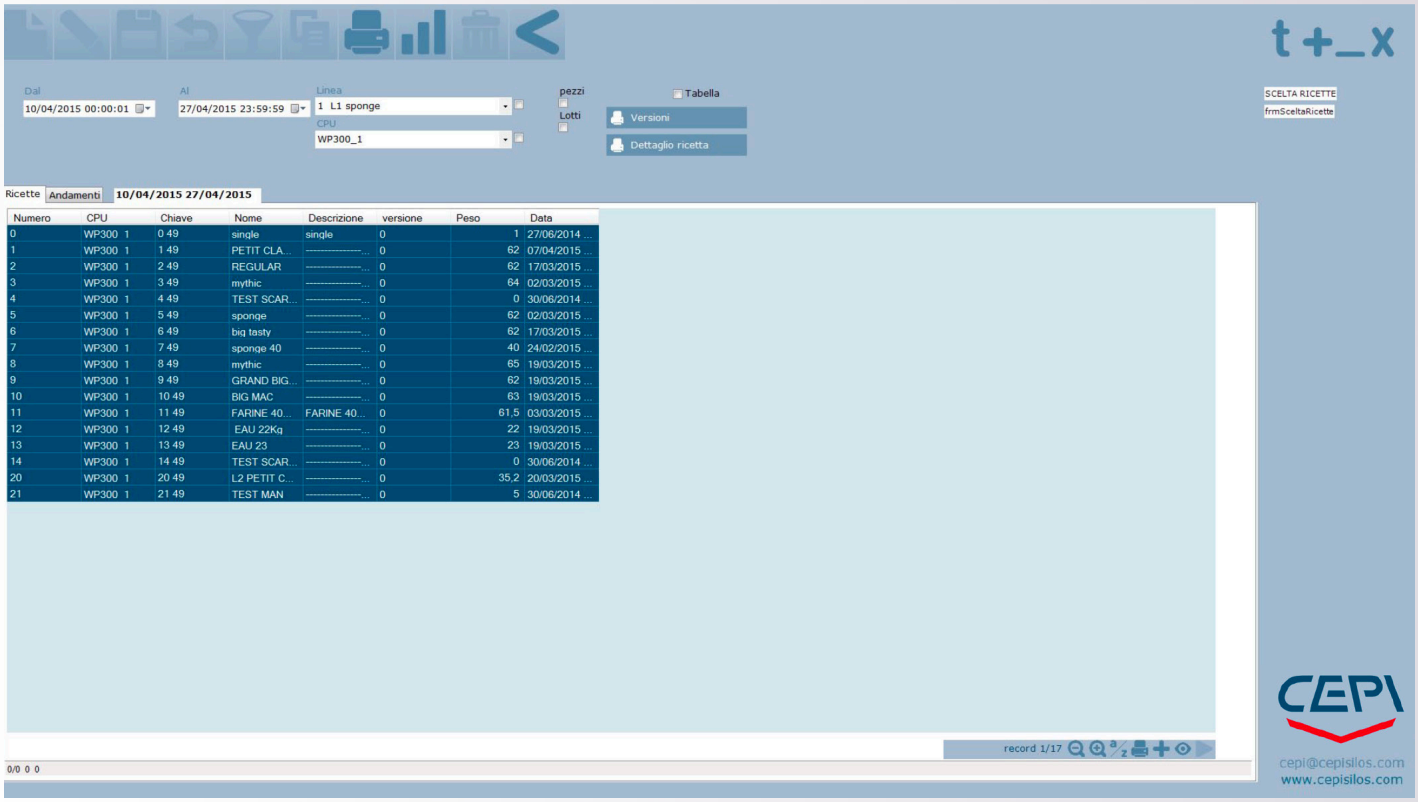
Traceability

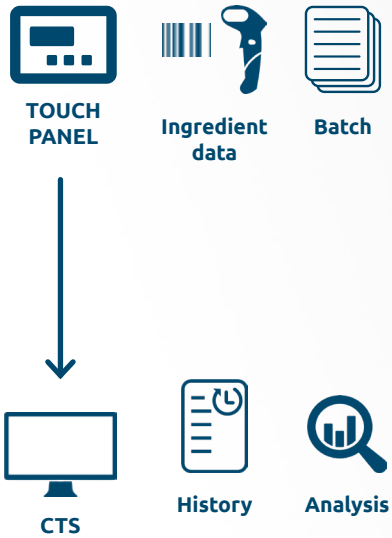


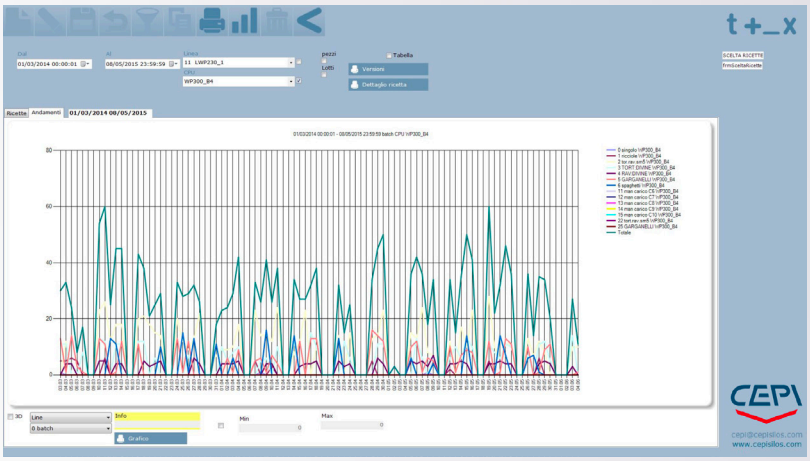
Digitalization and history of all ingredient movements

Dosing device, line, weight, time

Consumption report and dynamic representation

Analysis by product, recipe, lot and during any time interval





Dynamic representions of consumptions

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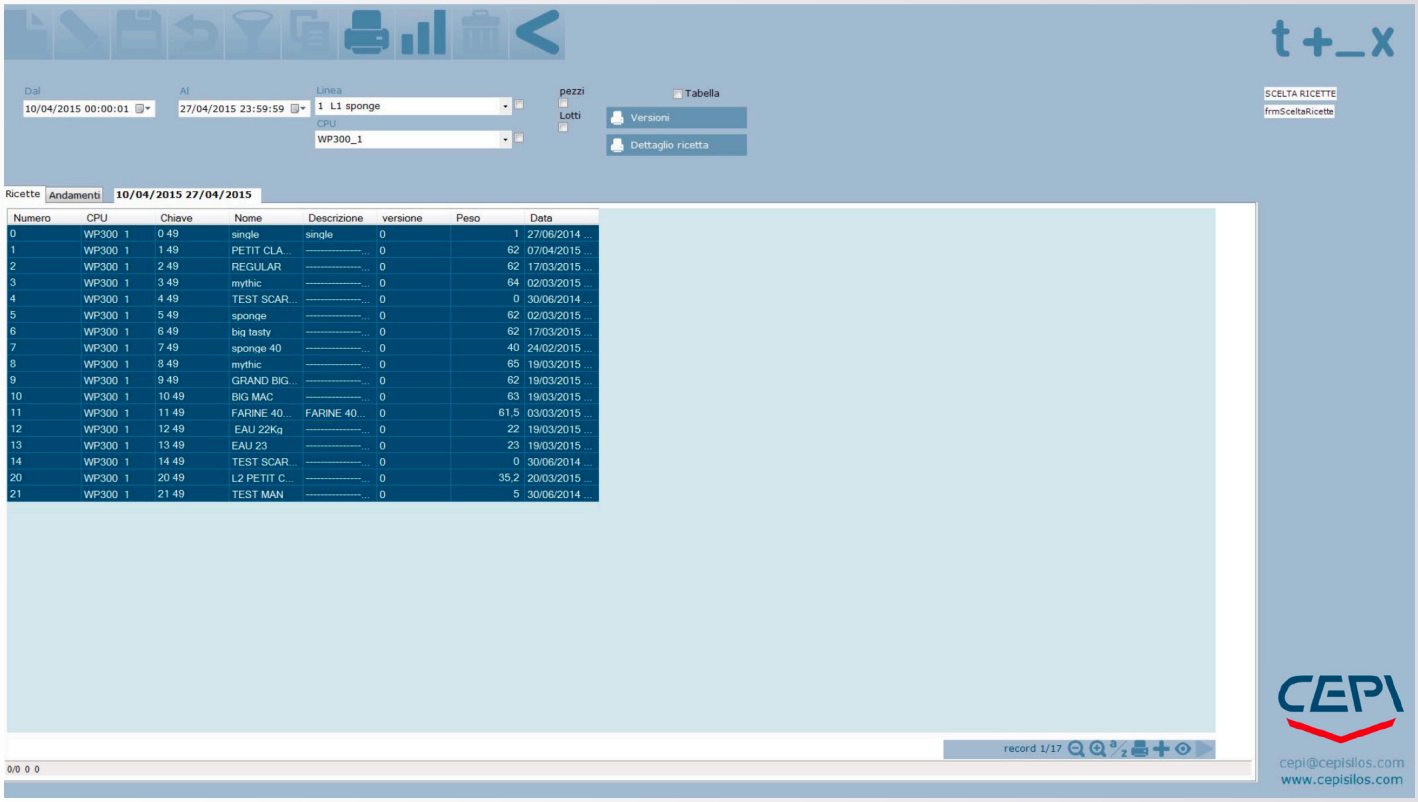
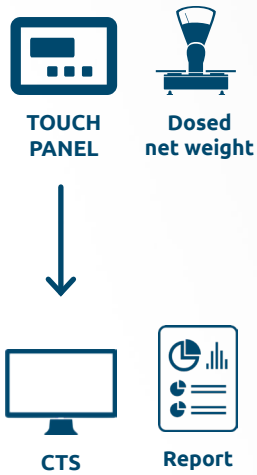
Traceability



Receives dosed net weights in real time

Report and dynamic representation



Difference between dosed net weights and set-points

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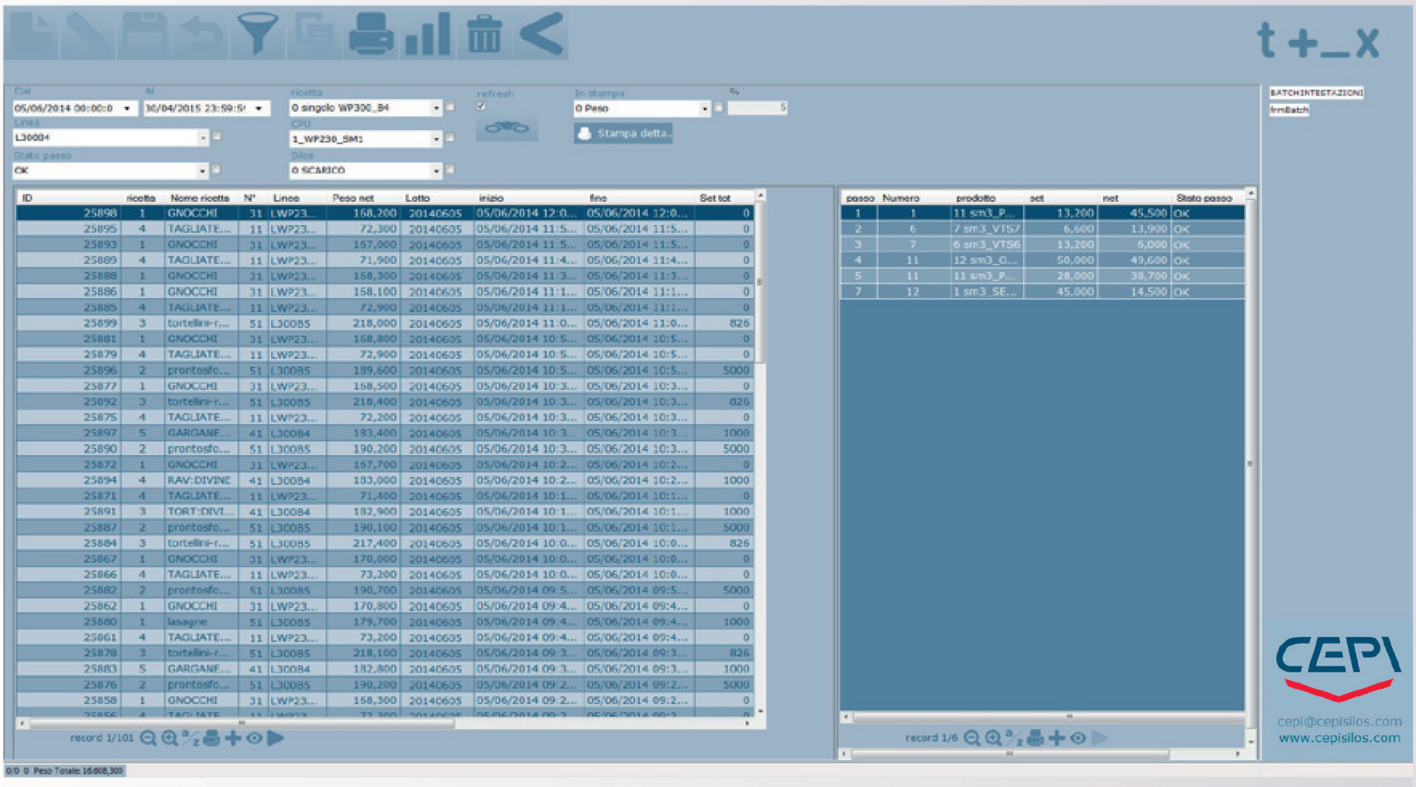
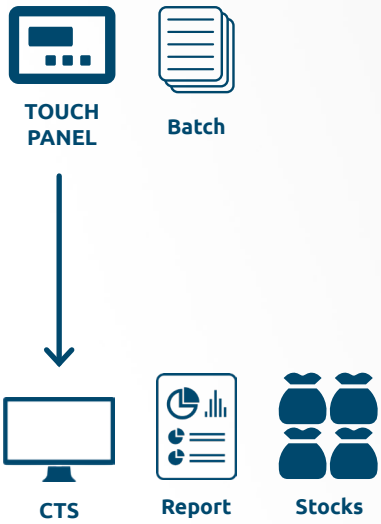
Warehouse management

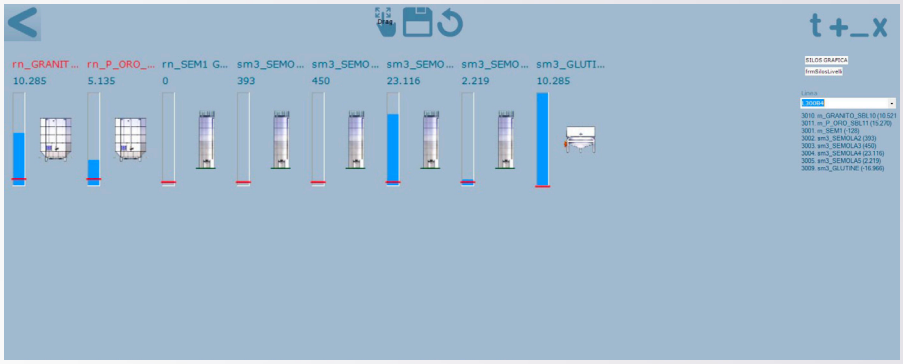


Receives production data from dosing devices

Batch report and dynamic representation

Stock visualization and trend





Current weight in each silo

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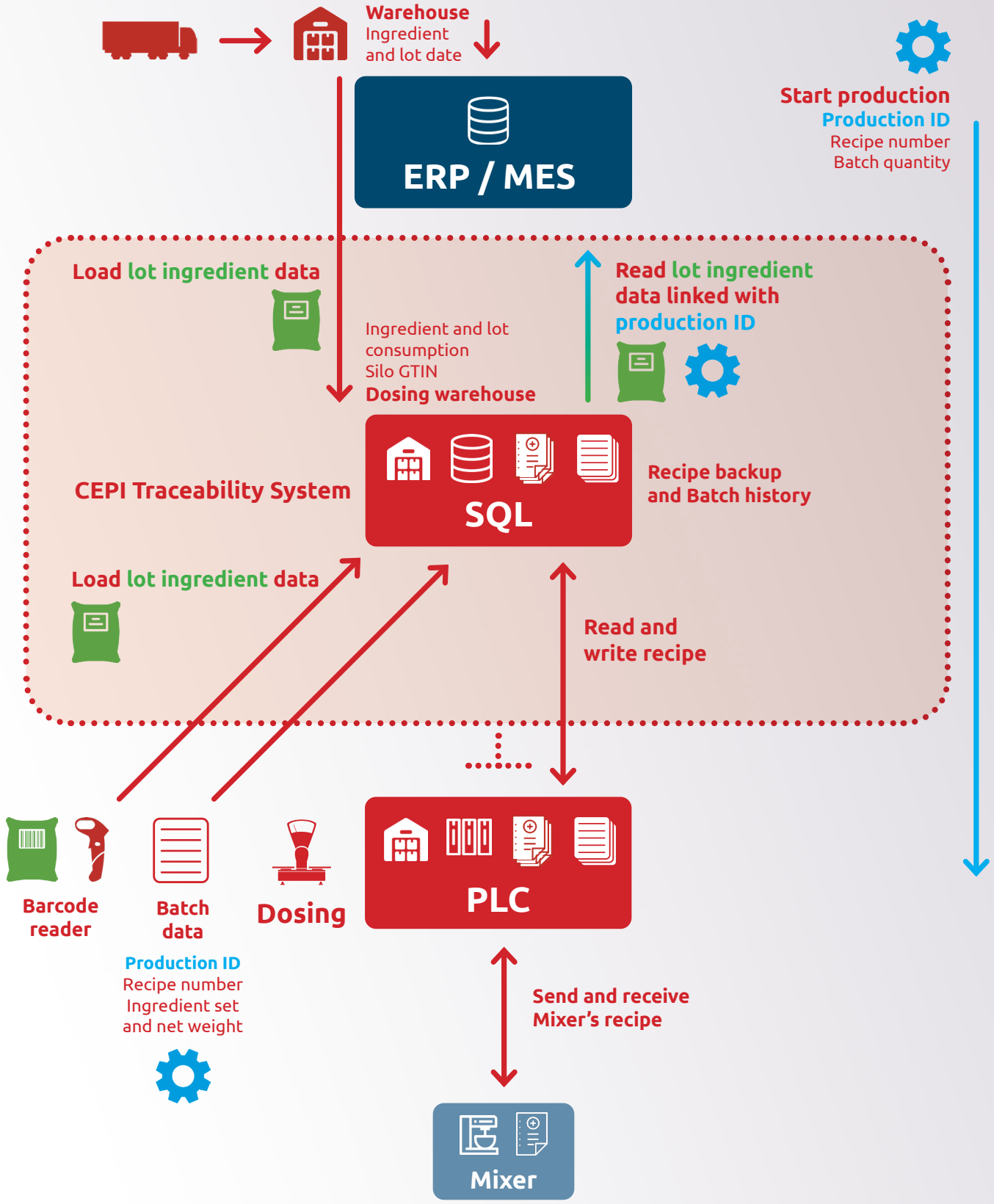
Architecture of the traceability operations



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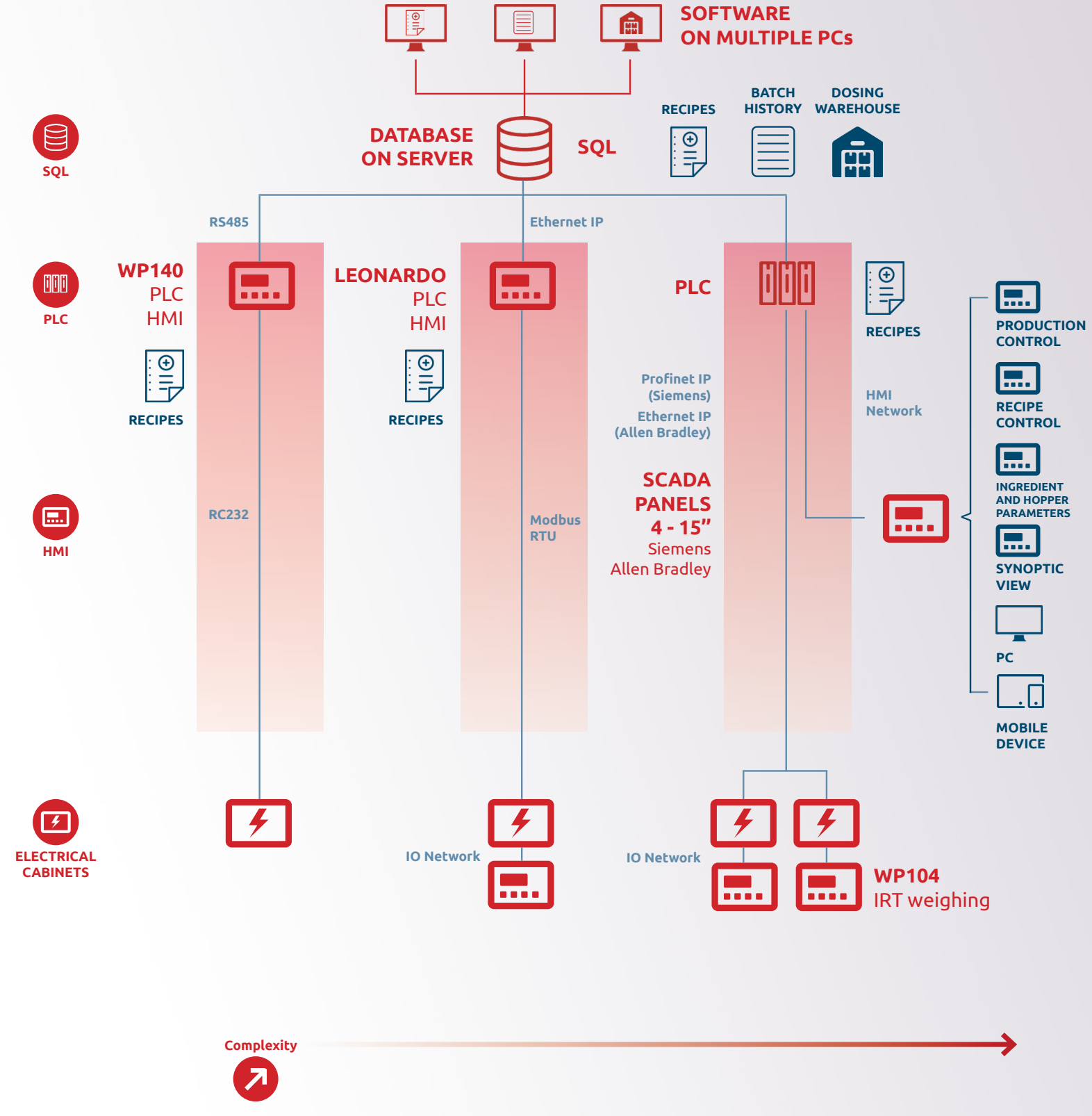
Architecture of the automation system



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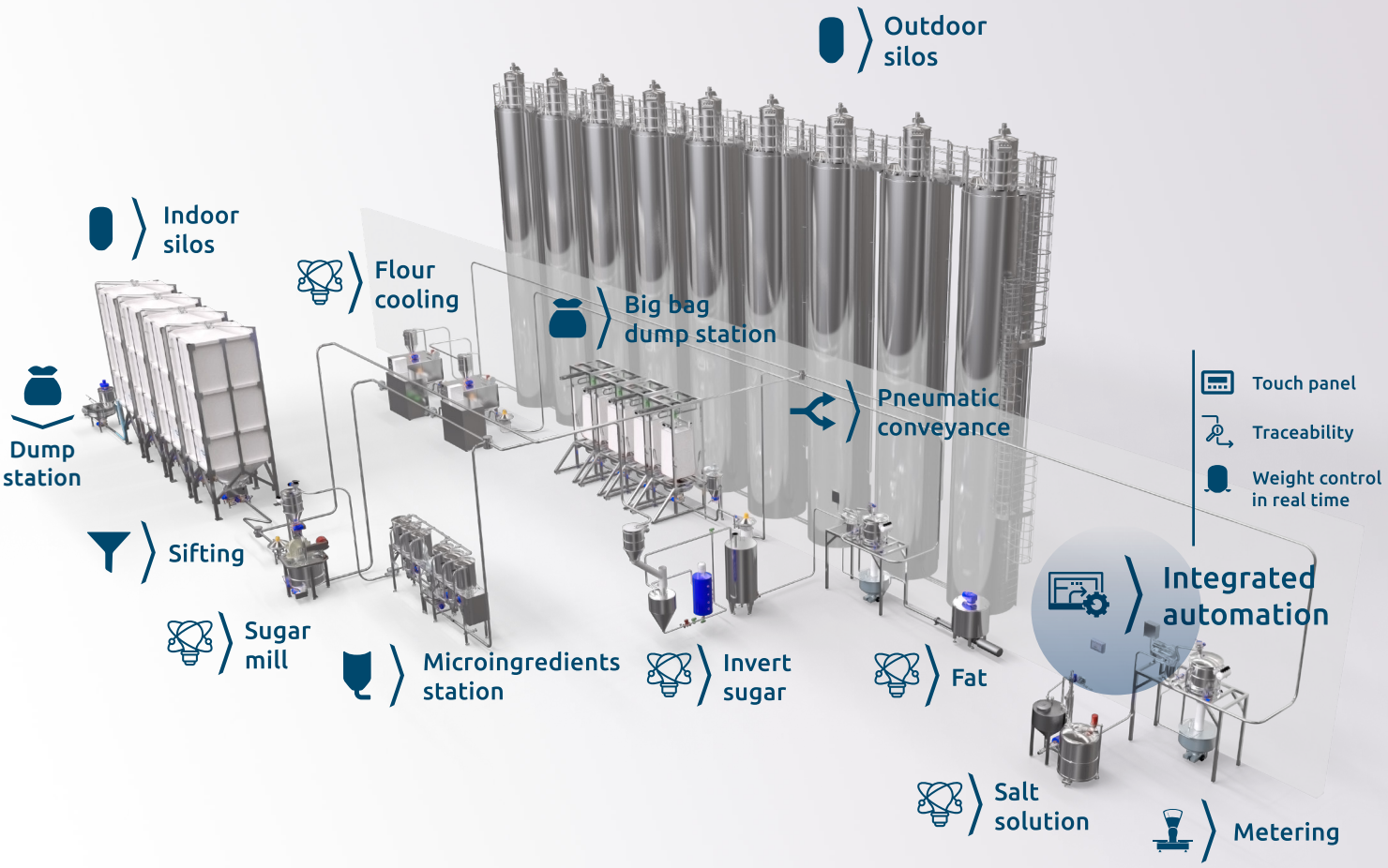
heart of technology

CEPI

CEPI Spa
Via G Ansaldo 15
47122 Forlì FC Italy
T +390543940514
F +390543940534
cepi@cepisilos.com
www.cepisilos.com
cepisilos



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Dairy
Premix
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Baby food
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Chemical
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