

HOW MUCH MILK CAME IN AND HOW MUCH IS LEFT

The weight of every silo, read **three times a second**, from delivery to vat.

Continuous supervision of the tanks of a dairy plant. Weight comes from the load cells, becomes litres, and every change leaves a line: who, when, how much. What enters from the intake bay and what leaves towards the vats are reconciled every evening.

SI.SCO SILOS · Supervision and control system for dairy plants

3

readings a second, for each silo

2

weighings compared on each delivery

5

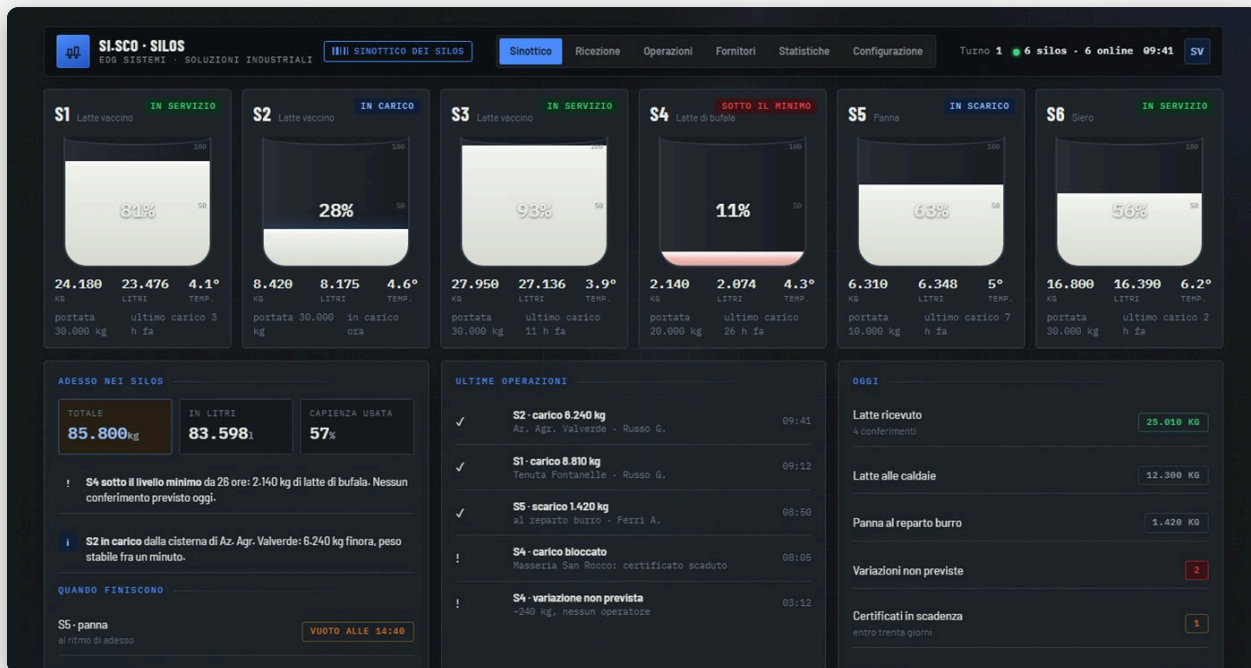
languages, on screen and in prints

0

lines written by hand in the log

A SINGLE VIEW FOR ALL THE STORED MILK

Every silo rests on load cells. The system polls them without stopping, converts weight into litres with the specific gravity of the product and keeps count of what goes in and what goes out. When the weight moves with no operation open, it says so.



THE OVERVIEW

Six silos, the level, kilograms, litres and temperature. At the foot of the right column is the day: how much came in, how much went to the vats, what does not add up.

WEIGHT

WHAT THE LOAD CELL REALLY SAYS

No one types a number. The instrument reads the weight, stored with the time to the second.

stable weight flagged by the instrument

kilograms and litres together, per product

fill percentage and free space

MOVEMENT

LOADINGS AND DISCHARGES DETECTED

When the stable weight moves past the threshold of the silo, the system records a loading or a discharge without being told.

separate thresholds for loading and discharge

start weight, end weight and difference

unexpected changes flagged at once

HISTORY

A LINE FOR EVERYTHING THAT HAPPENS

Deliveries, discharges, alarms, overrides and corrections stay written. Prints and summaries come from there.

search by day, by silo, by supplier

reports with the company heading

export to Excel from every list

FROM TANKERS TO THE VATS

Milk comes in early in the morning and starts to leave before the deliveries are over. In between there is a silo filling up, a blend that changes and a weight that must never move on its own.

THE TANKER ARRIVES Supplier and silo are chosen. Certificates are checked before opening.	DISCHARGE The weight rises and is seen rising. At the end: kilos, litres, temperature.	THE SAMPLE IS TAKEN The tube stays tied to those kilos, with fat and protein.	ON TO THE VAT Discharge is followed by weight: at the kilos asked, it stops.	THE DAY IS CLOSED Inputs, outputs and stock are compared. What does not add up stays.
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SI.SCO - SILOS
EDG SISTEMI - SOLUZIONI INDUSTRIALI

III OPERAZIONI EFFETTUATE | Sinottico | Ricezione | **Operazioni** | Fornitori | Statistiche | Configurazione | Tuino 1 | 6 silos - 6 online | 09:41 | SV

OPERAZIONI EFFETTUATE | 0661 - 8 | SETTIMANA - 61 | MESE - 248 | Q Fornitore, silo, targa... | Tabulato | Excel

ORA	SILO	TIPO	FORNITORE / DESTINAZIONE	PRODOTTO	PESO	LITRI	OPERATORE	ESITO
09:41	S2	CARICO	Az. Agr. Valverde	Latte vaccino	6.240 kg	6.058 l	Russo G.	REGISTRATA
09:12	S1	CARICO	Tenuta Fontanelle	Latte vaccino	8.810 kg	8.553 l	Russo G.	REGISTRATA
08:50	S5	SCARICO	Reparto burro	Panna	1.420 kg	1.429 l	Ferri A.	REGISTRATA
08:31	S3	SCARICO	Caldaia 2	Latte vaccino	5.200 kg	5.049 l	Ferri A.	REGISTRATA
08:05	S4	CARICO	Masseria San Rocco	Latte di bufala	—	—	Russo G.	BLOCCATA
07:40	S1	CARICO	Cooperativa Piana	Latte vaccino	9.960 kg	9.670 l	Russo G.	REGISTRATA
07:15	S8	CARICO	Caldaia 1	Siero	3.300 kg	3.220 l	Ferri A.	REGISTRATA

SELEZIONE DATI AVANZATA
 DATA DAL 20/09/2026 AL 20/09/2026
 SILO: tutti
 OPERATORE: tutti
 FORNITORE: Az. Agr. inizia per
 TIPO: carico e scarico
 SOLO QUELLO CHE CONTA

THE DAY'S OPERATIONS In time order: what came in, what went out, who was there and how it ended.

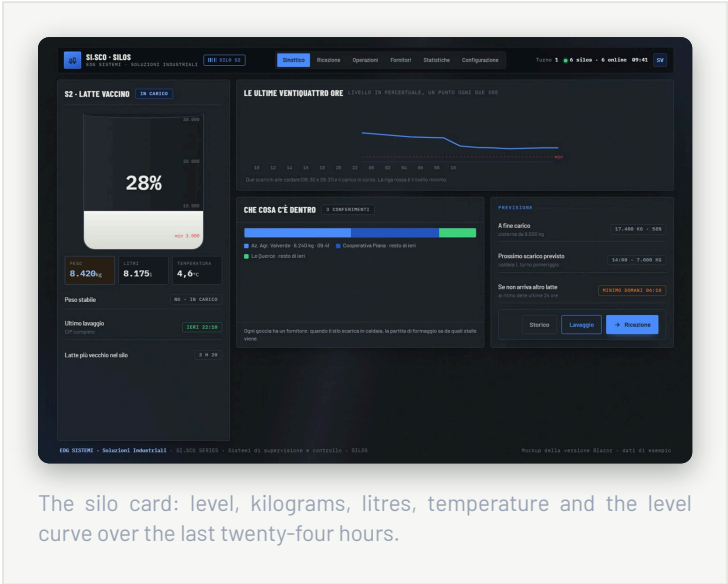
Every step leaves its trace

No step is recorded from memory or at the end of the shift: each line is born when the weight moves.

A TYPICAL DAY: 4 DELIVERIES ·
25,010 KG IN · 13,720 KG OUT · 2
CHANGES TO EXPLAIN

WHAT IS INSIDE AND FOR HOW LONG

From the overview a single silo opens. The card puts together the weight now, the curve of the last twenty-four hours, the deliveries that make up the blend and the date of the last CIP wash.



The silo card: level, kilograms, litres, temperature and the level curve over the last twenty-four hours.

THE LEVEL IS SEEN, NOT COMPUTED

The drawn tank fills with the real weight. The percentage comes from the capacity set for that silo.

LITRES AND KILOGRAMS

Each product has its specific gravity: cow milk, buffalo milk, cream and whey do not weigh the same.

HOW LONG THE MILK HAS SAT

Holding time starts from the oldest delivery still in the blend and helps decide what to process first.

BELOW MINIMUM SHOWS AT ONCE

Each silo has its threshold. When weight drops below, the card changes colour and the alert starts.

Reads three a second, per silo	Screen refresh every second, no reloading	Silos managed all those on the plant	Level history twenty-four hours, seven days
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LOADING OPENS ONLY IF IT MAY OPEN

The intake bay station is used with fingers, with gloves on. Supplier and silo are chosen, and before the pump starts the system looks at the health certificates of that farm.



The intake bay during a loading: the rising weight, the kilos in so far, the sample and the transport document.



A refused loading: the reason is written plainly and only a supervisor can override it, with a badge.

BEFORE OPENING

THE FOUR CERTIFICATES

Leucosis, tuberculosis, brucellosis and dioxin: each with its expiry. If one expired, loading does not start.

supplier notified thirty days before

block at expiry, no automatic exceptions

override only by the supervisor, and written

WHILE LOADING

THE WEIGHT STAYS IN SIGHT

What has come in so far and the room left in the silo are shown. At the close the system writes kilos, litres and temperature.

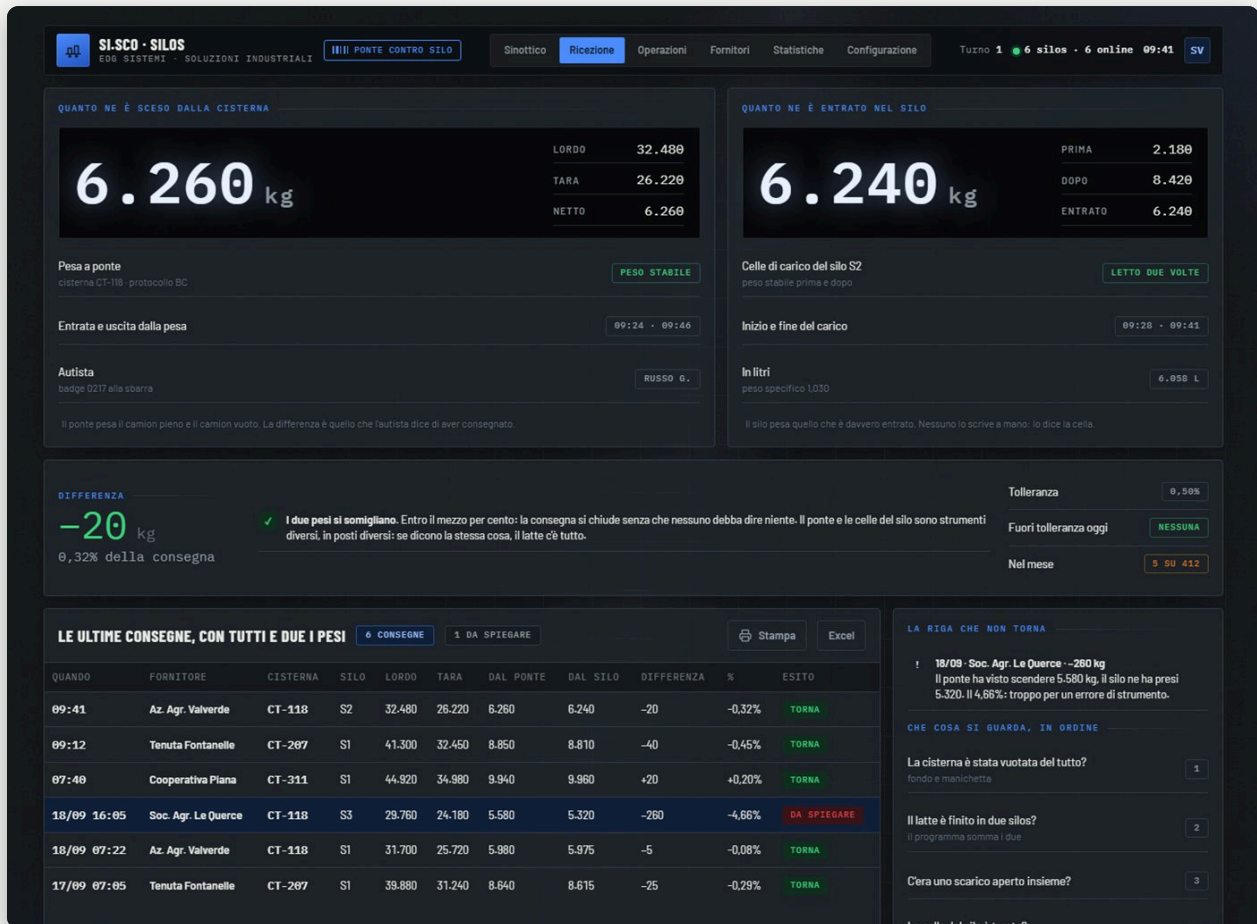
start and end weight of the silo, from the cell

sample and tube number tied to the loading

the operator signs with the badge, not a pen

TWO INSTRUMENTS FOR THE SAME MILK

The tanker weighs on the bridge in and out: the difference is what the driver says was delivered. The silo, meanwhile, weighs what really came in. The two numbers are compared on their own, delivery by delivery.



THE DELIVERY JUST CLOSED

On the left the bridge net, on the right the kilos into the silo, in the middle the difference and the verdict. Below, all recent deliveries with both weights.

- **Tolerance** — set as a percentage; below that threshold the delivery closes with no one stepping in
- **Out of tolerance** — the line stays open until someone writes the reason: it cannot be deleted
- **Questions, in order** — tanker fully emptied, milk split into two silos, discharge open at once, cell to calibrate
- **Month end** — differences above tolerance go into the supplier statement, with their explanation

WEIGHBRIDGE REQUIRED

The system talks to the bridge indicator as it talks to the silo cells. Without a bridge this page is not used and everything else works the same.

WHAT IS FOUND

A tanker not fully emptied, a leaking hose, a cell out of calibration. These are kilos otherwise found at month end, when the figures no longer add up.

AT NIGHT THE RULE CHANGES

With the plant closed there are no normal changes. Any drop in weight, even a small one, becomes an alarm and reaches the phone of whoever is on watch, with the silo, the time and the kilograms.

THE LOG

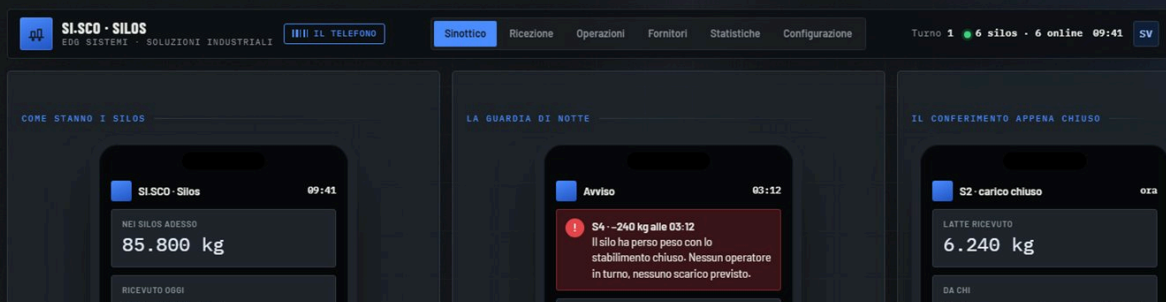
Every weight change, with its direction



Loadings and discharges detected by the instrument, with start weight, end weight and difference. Lines with no operation open stay highlighted.

ALERT

On the phone, as it happens



The alert carries what is needed to decide: weight before, weight now, how long it lasted, who entered last.

■ **Watch hours** — the start and end times are set, and they hold all day on days of shutdown

■ **Who gets it** — phone, e-mail and siren in the silo room, each with its own switch

■ **Night threshold** — lower than the daytime one: at night thirty kilograms are enough to sound

■ **What remains** — the alert, the time it was read and the name of who closed it

Weight falling for no reason is why these plants are monitored

The system accuses no one: it records, alerts and keeps. What happened is decided by people, the next morning, looking at the lines.

SI.SCO SILOS

· The night works even when the plant is closed

TEMPERATURE NEXT TO WEIGHT

Each silo can have its probe. Temperature is recorded on its own, every minute, and sits on the same line as the weight: milk standing warm is seen as it happens, not at day end.



TWENTY-FOUR HOURS, SILO BY SILO

Each curve has the limit of its product: whey arriving warm from the vats is not judged like raw milk. Below, all the limit breaches of the month, with reason and signature.

Reading

one a minute, for each probe

Limit

per product, not the same for all

Alert

after a quarter hour above the limit

Record

curves stay, month by month

WHO BRINGS MILK WITH WHAT PAPERS

For each farm there are the municipality, the head of cattle, the four health certificates with their expiry dates and the whole history of deliveries. The intake bay reads from here, with nothing to ask.

RAGIONE SOCIALE	COMUNE	CAPI	LEUCOSI	TUBERCOLOSI	BRUCELLOSI	DIOSINA	STATO
Az. Agr. Valverde	Nocera	240	12/03/2027	12/03/2027	12/03/2027	05/11/2026	IN REGOLA
Soc. Agr. Le Querce	Sarno	180	30/09/2026	30/09/2026	30/09/2026	14/02/2027	IN SCADENZA
Tenuta Fontanelle	Battipaglia	410	08/07/2027	08/07/2027	08/07/2027	08/07/2027	IN REGOLA
Masseria San Rocco	Eboli	150	02/09/2026	02/09/2026	02/09/2026	20/12/2026	SCADUTO
Az. Agr. Colle Alto	Pontecagnano	95	21/01/2027	21/01/2027	21/01/2027	21/01/2027	IN REGOLA
Cooperativa Piana	Capaccio	620	15/05/2027	15/05/2027	15/05/2027	15/05/2027	IN REGOLA

The supplier list: at a glance who is in order, who expires soon and who is idle.

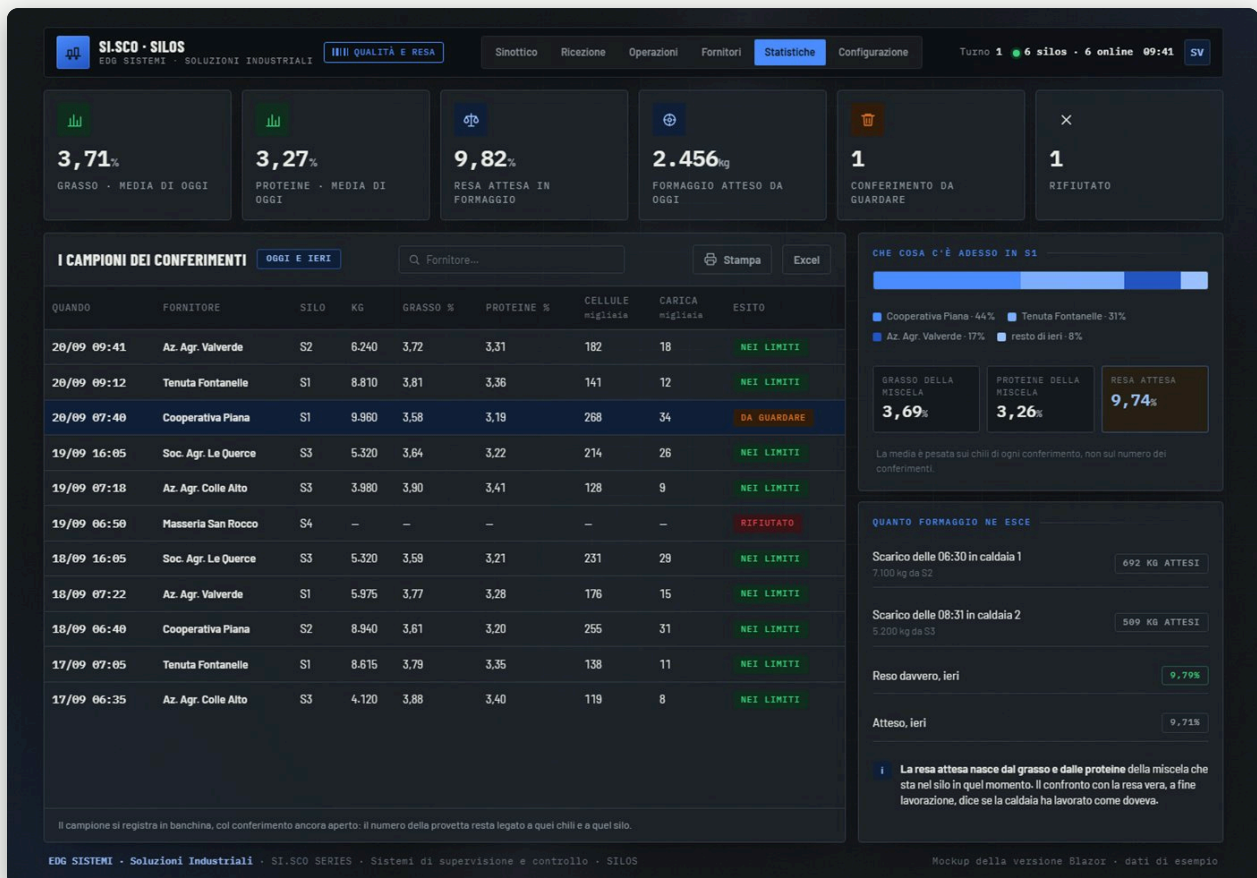
FORNITORE	CERTIFICATO	SCADENZA	FRA	SOLLECITO	EFFETTO
Masseria San Rocco	leucosi - tubercolosi - brucellosi	02/09/2026	scaduti da 18 giorni	mandato 25/08 e 01/09	CONFERIMENTI
Soc. Agr. Le Querce	leucosi - tubercolosi - brucellosi	30/09/2026	10 giorni	mandato 01/09	AVVISO IN B...
Az. Agr. Valverde	diosina	05/11/2026	46 giorni	-	NESSUNO

Certificate expiry dates, sorted by date: the reminder starts thirty days before.

- **Four certificates** – leucosis, tuberculosis, brucellosis and dioxin, each with its date
- **History** – how much delivered in the month and the year, with fat and protein averages
- **Reminder** – to the supplier and the quality office, thirty days before expiry
- **Refused loadings** – they stay written with the reason: proof that the check worked

WHAT IS IN THE BLEND

Fat and protein are recorded at the intake bay, with the delivery open. The silo keeps the average weighted on kilograms and uses it to say how much cheese to expect from each discharge.



SAMPLES AND THE BLEND

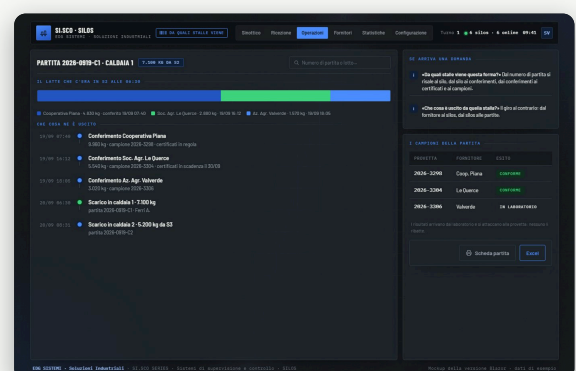
On the left the delivery samples, on the right what is in the silo now: the coloured bands say whose milk is whose, and the expected yield comes from there.

WEIGHTED AVERAGE

What counts is not how many deliveries are in the silo, but how many kilograms each brought. It is the only average that makes sense when tankers differ in size.

EXPECTED AND REAL

At the end of processing the real yield is set beside the expected one. If they drift the same way every time, there is something to check in the vat.



The make-up of the silo: which deliveries the milk now leaving is made of.

WHERE THAT MILK WENT

A positive result arrives on a batch. The supplier name and the day are typed, and the system answers: which silos that milk entered, what it mixed with, which vats it went to, which lots came out and who they were shipped to.

The screenshot displays the SI.SCO SILOS web application interface. At the top, there's a navigation bar with tabs: Sinottico, Ricezione, **Operazioni**, Fornitori, Statistiche, and Configurazione. A status bar on the right shows 'TUTTO 1', '6 silos', '6 online', and '09:41'. Below the navigation bar, there's a search section with fields for 'Fornitore' (Soc. Agr. Le Querce), 'Giorno del conferimento' (18/09/2026), and 'Oppure il numero del lotto' (18-09-S3). A 'Dove è finito' search button and a 'Fascicolo' button are also present. The main dashboard features six large cards: '5.320 kg LATTE CONFERITO', '2 SILOS TOCCATI', '3 CALDAIE', '418 FORME PRODOTTE', '6 SPEDIZIONI DA AVVISARE', and '8 PER TROVARE TUTTO'. Below these cards, the 'LA STRADA DI QUEL LATTE' section shows a timeline of events from 18/09 16:05 to 20/09 06:00, including 'Entrato in S3', 'SI è mescolato con altri tre conferimenti', 'Scarico in caldaia 2', 'Scarico in caldaia 1', 'Travasamento in S1', 'Scarico in caldaia 3', and 'S3 lavato'. The 'CHE COSA VA RICHIAMATO' section shows a table of lots (L-2609, L-2610, L-2612) with their respective products, forms, destinations, and quotas. The 'A CHI È ARRIVATO' section lists distribution points like 'Distribuzione Sud', 'Gastronomia Centrale', and 'Mercato Valle' with their respective lot numbers and quantities. A footer note states: 'La catena si ricostruisce dai pesi, non dalle dichiarazioni: ogni chilo ha un'ora, un silo e una destinazione.'

THE CHAIN, REBUILT FROM WEIGHTS

On the left the path of that milk, hour by hour. On the right the lots to recall with their share, and the customer notes to warn.

■ **Share** — says how much of that milk is in each lot: below a threshold set by quality, the lot can be excluded

■ **The dossier** — comes out in PDF with chain, lots, notes and the certificates valid that day

■ **Transfers** — if the milk moved from one silo to another the chain goes on, unbroken

■ **The time** — the search runs in front of whoever asks, not in two days of notebooks

The chain is rebuilt from weights, not from statements

Every kilogram has a time, a silo and a destination, because it was weighed when it moved. The dossier is not written: it is printed.

SI.SCO SILOS

· Traceability
from the tanker to the customer note

THE MONTHLY DOSSIER FILLS ITSELF IN

Temperatures, CIP washes, certificates checked at the bay, holding times, bridge-to-silo differences: all lines already written by the system. At month end they become a ready dossier, with the non-conformities and who closed them.



The dossier preview: the summary of checks and, below, the non-conformities of the month one by one.

NO ONE COPIES ANYTHING

The record lines are the same ones the system wrote day by day, from the probes and the cells. There is no second step where a mistake can happen.

EACH NON-CONFORMITY CLOSES

A breach of limits stays open until someone writes what happened and what was done. The name stays next to the line.

WHEN NEEDED, NOT ONLY AT MONTH END

The dossier can be asked for any period, and in any of the five languages of the program.

At the audit, one sheet

The dossier comes out in PDF and arrives by e-mail on the first of the month, with no one asking.

A TYPICAL MONTH: 44,640
TEMPERATURE READINGS · 412
DELIVERIES CHECKED · 62
WASHES · 9 NON-CONFORMITIES,
ALL CLOSED

WHAT COMES IN AND WHAT GOES OUT

At the end of the day the system lines up inputs, outputs and stock and does the subtraction. What is over or missing stays written as «unexplained» until someone says what it is.



The day balance, silo by silo, with the difference in kilograms and per cent.



Levels over the week: which silo works full and which stays idle.

Balance

day, week, month

Compare

with the same period before

Peaks

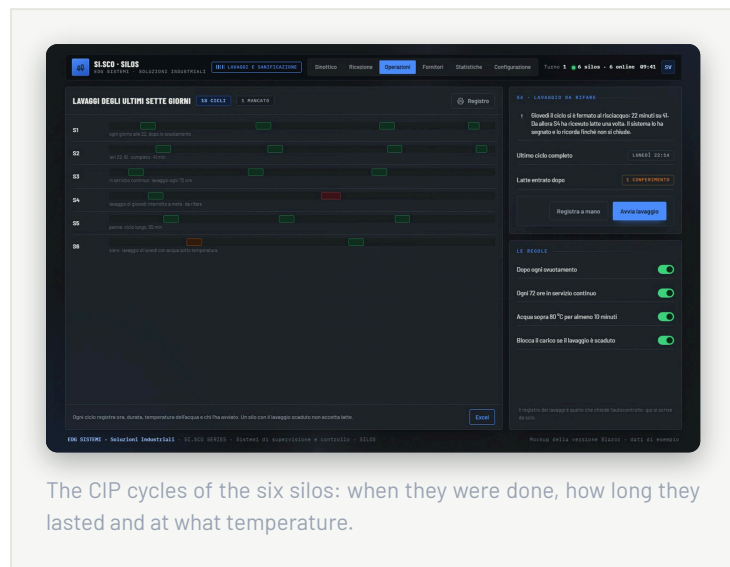
peak hours of deliveries and discharges

Output

print, PDF and Excel from each list

A WASHED SILO IS A SILO THAT CAN FILL

Each product has its interval between one wash and the next. The system counts the hours, warns before it runs out and, if the wash is missing, no loading opens on that silo.



The CIP cycles of the six silos: when they were done, how long they lasted and at what temperature.

THE COUNT OF HOURS

It starts from the end of the last full wash and resets only when another one ends, not when someone declares it.

THE BROKEN-OFF WASH

A cycle that stops halfway does not count as done. It stays marked in red and the silo still shows as to be washed.

IN THE MONTH RECORD

Duration and temperature of each cycle go into the dossier, with nothing to copy anywhere.

■ **The silo to wash** — shows in the overview before it is due

■ **Loading blocked** — if the wash is overdue the bay does not open: the override is the supervisor's

THE SHEET THE MILK IS PAID ON

At month end, for each supplier, the delivery statement comes out: day by day the kilograms, litres, fat and protein, with the weighted averages of the month. The kilograms are those of the cells: not a single figure is written by hand.

SI.SCO - SILOS
EDG SISTEMI - SOLUZIONI INDUSTRIALI

III IL CEDOLINO | Sinottico | Ricezione | Operazioni | **Fornitori** | Statistiche | Configurazione

TURNO 1 | 6 silos | 6 online | 09:41 | SV

ANTEPRIMA | FOGLIO 1 DI 2 | AZ. AGR. VALVERDE

Riepilogo dei conferimenti - settembre 2026
Az. Agr. Valverde - Nocera - codice conferente 6114
Caseificio - via dell'Industria 14 - documento emesso il 02/10/2026

GIORNO	ORA	CISTERNA	SILO	KG	LITRI	GRASSO %	PROTEINE %
01/09	07:12	CT-118	S1	6.120	5.942	3.71	3.28
03/09	07:04	CT-118	S1	5.880	5.709	3.75	3.30
05/09	06:58	CT-104	S2	6.240	6.058	3.68	3.25
07/09	07:22	CT-118	S1	5.990	5.816	3.80	3.34
09/09	07:10	CT-118	S3	6.080	5.903	3.72	3.29

IL FOGLIO CON CUI SI PAGA IL LATTE
I chili sono quelli delle celle. Ogni riga viene dal peso del silo nel momento del carico: non c'è una sola cifra scritta a mano.

CHE COSA PORTA

- Tutte le consegne del mese, una per riga ☒
- Grasso e proteine di ogni consegna ☒
- Medie del mese, pesate sui chili ☒

A supplier statement: eighteen deliveries, with the month averages at the foot.

IL TUO LATTE
SERVIZIO IN SOLA LETTURA - SI ENTRA COL CODICE DEL CEDOLINO

III AZ. AGR. VALVERDE - NOCERA | Settembre 2026 | certificati in regola

→ **108.420_{kg}**
CONFERITI NEL MESE

18
CONSEGNE

3,74%
GRASSO MEDIO

3,29%
PROTEINE MEDIE

4/4
CERTIFICATI VALIDI

LE TUE CONSEGNE | SETTEMBRE 2026 | PDF | Excel

GIORNO	ORA	CISTERNA	SILO	KG	LITRI	GRASSO	PROTEINE	ESITO
20/09	09:41	CT-118	S2	6.240	6.058	3.72	3.31	ACCETTATA
18/09	07:22	CT-118	S1	5.880	5.806	3.77	3.28	ACCETTATA

I TUOI CERTIFICATI

- Leucosi
valido fino al 12/03/2027 ☒ IN REGOLA
- Tubercolosi
valido fino al 12/03/2027 ☒ IN REGOLA

The supplier portal: only their own milk, read only, and new certificates are uploaded there.

STATEMENT

STARTS ON ITS OWN, ON THE DAY SET

One PDF per supplier, all together, with the e-mail already prepared.

refused deliveries and reason

bridge-to-silo differences over tolerance

amounts come from the ERP, not from this system

THE PORTAL

OPTIONAL, AND ASKS FOR NOTHING

Those who do not use it keep getting the statement by post, as always. Those who use it also find past months.

each supplier sees only their deliveries

new certificates are uploaded there

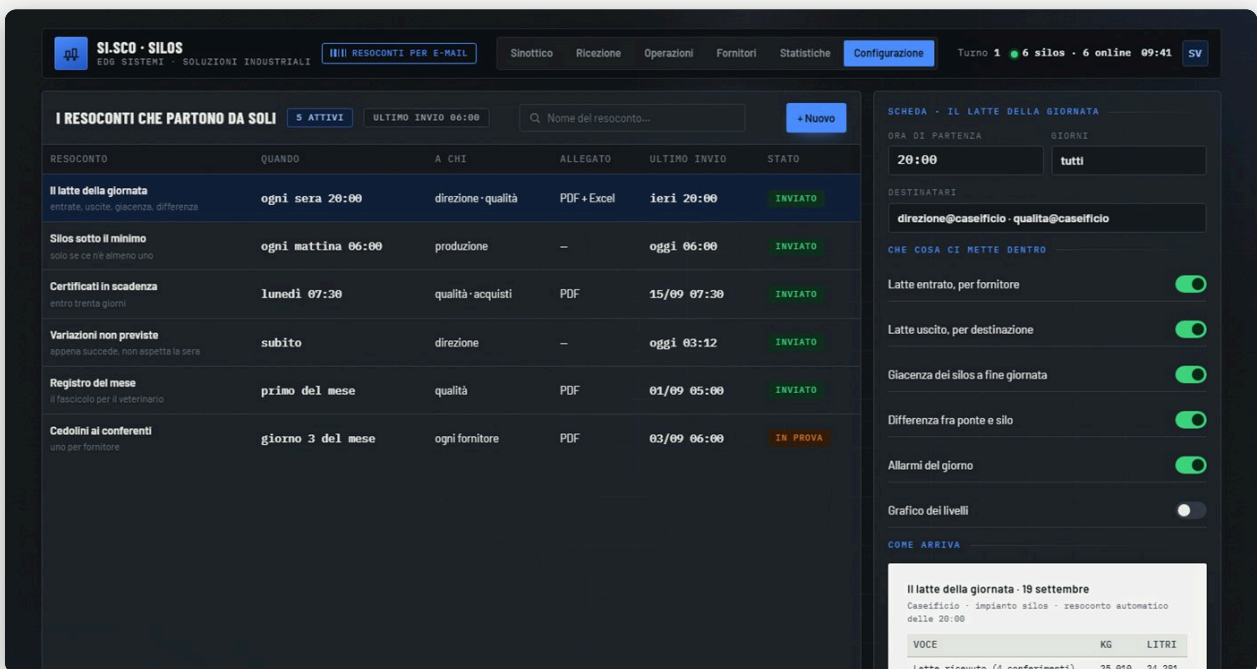
no other dairy plant data is visible

THE SAME VIEW BY THE VATS AND ON A PHONE

The program is a page: it opens on a tablet in the plant and on a phone with the same address and the same password. There is nothing to install and, if a device breaks, another one is used.



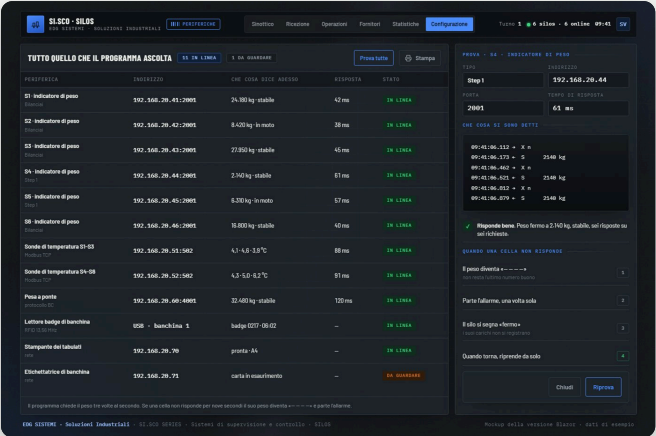
CHEESEMAKER TABLET The six silos on one screen, with weight, fill and temperature. Touching a silo opens its day; a discharge to the vat also opens from here.



REPORTS THAT GO OUT ALONE The milk of the day, silos below minimum, certificates expiring, unexpected changes: each with its time, its recipients and its attachment.

WHAT IS CONNECTED AND HOW IT IS SEEN

Weight indicators on the network, temperature probes, weighbridge, badge reader, printers. One page says what answers, how long it takes and what it is saying right now.



The screenshot shows the 'SILCO-SILO' software interface. The main window displays a table of connected devices with columns for 'PRODOTTORE', 'PRODOTTO', 'IDM', 'CODA', 'IDM', 'RISPOSTA', and 'STATO'. The table lists various devices including weight indicators (S1, S2, S3, S4, S5, S6), temperature probes (S7, S8), a weighbridge (S9), a badge reader (S10), and a printer (S11). The status of each device is indicated by a green 'OK' or a red 'ERR'.

Below the table, there is a section titled 'TUTTO QUELLO CHE IL PROGRAMMA ASCOLTA' (Everything the program listens to) which shows the real-time data received from the devices. This includes weight readings, temperature values, and other sensor data.

At the bottom of the interface, there is a status bar with the text 'SILCO-SILO - Software per la gestione dei silos - Versione 1.0.0.0 - Copyright 2010 - Tutti i diritti sono riservati'.

Diagnostics: each device with its address, the response time and the last value read. Below, the real dialogue with the instrument.

WEIGHT INDICATORS

They connect on the network, one per silo. The system recognises the protocols most common in industrial weighing plants and also reads the stable weight state.

TEMPERATURE PROBES

One per silo, read on the same round as the cells. Where there are none, the silo still works: only the cold curve is missing.

WEIGHBRIDGE

It serves to compare the two weights of a delivery. It connects like the other instruments, with its address and its port.

IF SOMETHING GOES SILENT

After a few seconds of silence the weight is unreadable on screen, the alarm sounds once and the silo is marked stopped. When the instrument returns, it resumes alone.

- **Nothing holds the last good value** — an old weight shown as current is worse than no weight: the system says so
- **Printers** — reports on the office printer, labels on the bay one

- **Test on demand** — a device is polled and what it answers is read, character by character
- **Badge** — the bay reader signs operations without gloves typing passwords

EACH LINE HAS A NAME

Who logs in, what they may do, what they did. The event log collects everything that changes the numbers: deliveries, overrides, thresholds changed, weight corrections, logins. It cannot be edited or deleted.

THE LOG

What happened, and by whose hand

CHI HA FATTO CHE COSA 12 EVENTI 3 DA GUARDARE SI CONSERVA DIECI ANNI

ORA	OPERATORE	DOVE	EVENTO	DETTAGLIO
09:41	Russo G.	Banchina 1	CONFERIMENTO CHIUSO	S2 - Az. Agr. Valverde - 6.240 kg

The search is by day, by person, by kind of event. The system's automatic lines sit beside those of people.

RIGHTS

Each one can do what is needed

ANAGRAFICA OPERATORI DI SISTEMA 9 ABILITATI 3 IN SERVIZIO ADESSO

NOMINATIVO	BADGE	TIPO DI ACCESSO	DOVE	STATO	ULTIMO ACCESSO
Russo G.	0217	Operatore di banchina	Banchina 1	IN SERVIZIO	06:02
Ferri A.	0188	Casaro	Sala caldaie	IN SERVIZIO	05:45
Conte P.	0102	Supervisore	Ufficio	IN SERVIZIO	07:50
Bianchi R.	0233	Responsabile qualità	Laboratorio	FUORI TURNO	ieri 17:20

SCHEDA - RUSSO G.

NOMINATIVO: Russo G. BADGE: 0217

TIPO DI ACCESSO: Operatore di banchina PASSWORD: cifrata

CHE COSA PUO' FARE

Aprire e chiudere un carico ☒

Scaricare in caldaia ☐

Opening a loading, discharging to the vat, recording a sample, overriding an expired supplier, correcting a weight: these are separate switches.

■ **Three tiers** – operator, administrator and supervisor, with fine rights above these

■ **What never reaches the log** – no password, plain or encrypted, and no personal data beyond the name

■ **Badge** – opens the bay and signs the operation; switched off from a screen in a second

■ **Retention** – the dairy plant decides the time; the system deletes nothing on its own

The log serves to rebuild a day, not to watch people

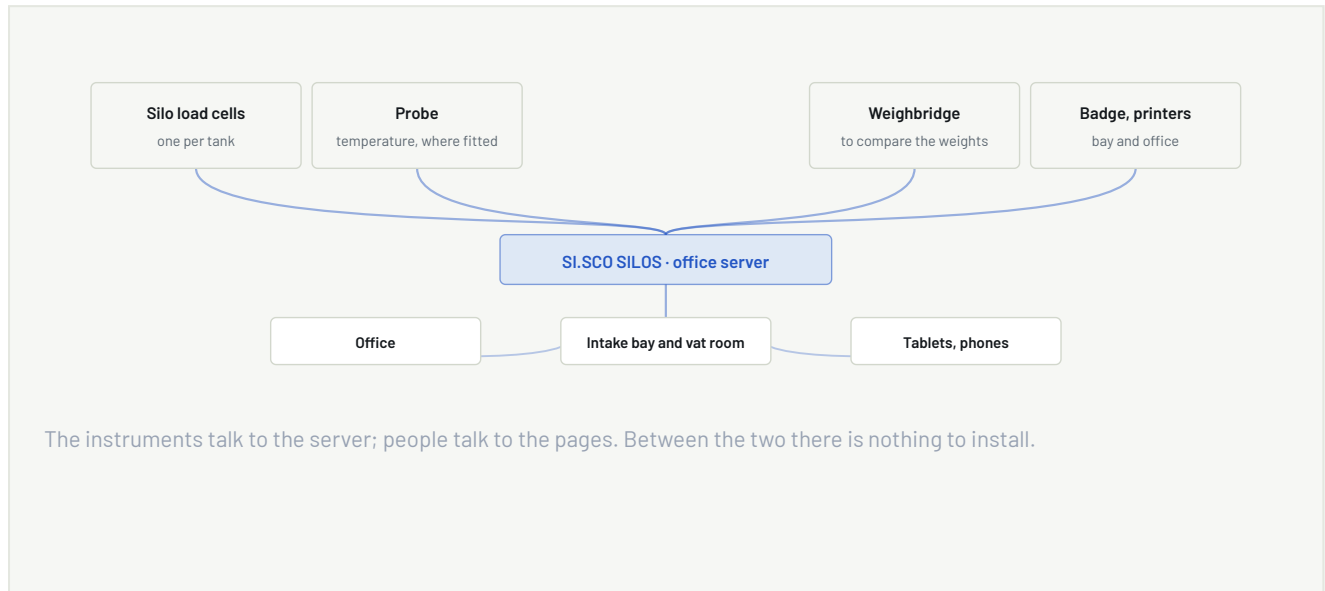
When a number does not add up, the question is the same: what happened at three at night. The answer is already written.

SI.SCO SILOS

· The log of what changes the numbers

WHAT IS NEEDED TO MAKE IT WORK

A computer in the office acts as server. The instruments connect on the network. All the rest are pages: they open from any computer, tablet or phone in the plant, with an address and a password.



SERVER

AN ORDINARY MACHINE

An office computer with Windows and a database. It stays on and does its round: no machine room needed.

the database can sit on the same machine

backup with the tools already on site

no external service required

STATIONS

PAGES, NOT PROGRAMS

Bay, office, vat room, tablets and phones open the same address. A new station is added in a few minutes.

the bay is used with gloves, large touches

the tablet has nothing to install

a station can be tied to its machine, if needed

LANGUAGES

FIVE, IN FULL

Italian, English, French, Spanish and Hungarian: in screens, alerts and prints. The language belongs to the viewer, not to the plant.

each operator has one

prints come out in the language chosen

the monthly dossier follows the same rule

THREE UNKNOWNNS TODAY

A silo plant without continuous monitoring leaves three questions always open. They are the same three in every dairy, and the three this system answers with a number and a time.

FIRST

HOW MUCH MILK IS MISSING

Not at month end, when the figures do not add up: at the moment the weight moves.

inputs and outputs compared each day

bridge and silo compared on each delivery

unexpected changes flagged at once

differences that stay open until explained

SECOND

WHERE A GIVEN DELIVERY ENDED UP

When a question arrives on a batch, the answer is already in the system.

which silos it entered and what it mixed with

which vats it went to and which lots came out

which customers those wheels were shipped to

a PDF dossier, ready to hand over

THIRD

WHETHER THE CHECKS WERE DONE

Temperatures, washes, certificates and stops are already written: the dossier collects them.

one temperature reading a minute, per probe

each wash with time and temperature

each refused loading with its reason

each non-conformity closed and signed

■ **How it starts** — the plant is surveyed, silos and instruments counted, and the system tried on two tanks

■ **What stays with the dairy** — the data is theirs and sits in their database; prints and exports can be taken away at any time

SI.SCO SILOS

Supervision and control system for dairy plants. Part of the SI.SCO Series by EDG Sistemi: industrial solutions for weighing, production and the warehouse.

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