SUPPLY LINE))

Makes containers smart and chemical handling safe.

Smart Solutions
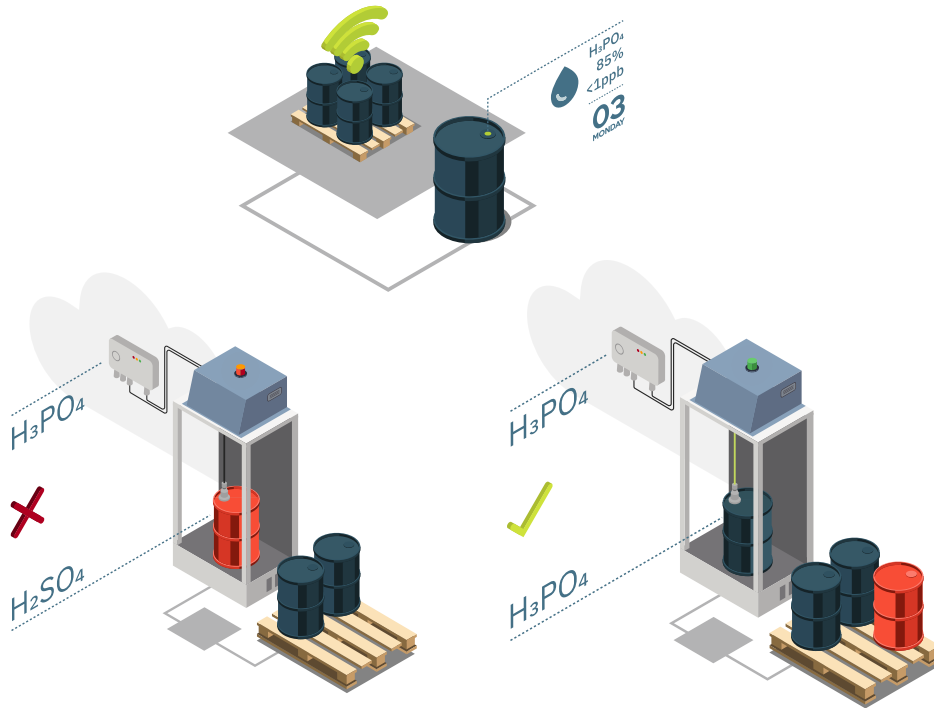
For Suppliers

→ Story

For Customers

→ Story

RFID Chip
Digitally pre-coded by AS

+Test Scan

All dip tubes that get coded by AS automatically have a digital key-code.

H_3PO_4

H_2SO_4 Digital Key-Code
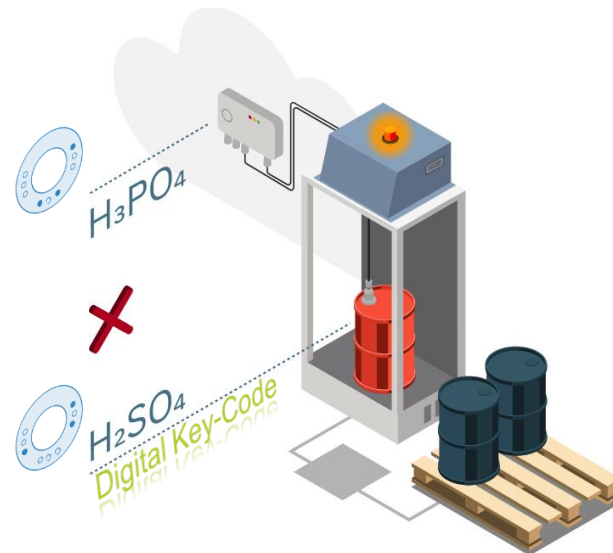
Prevents accidents automatically
for Suppliers and End Customers

The digital key code can be checked without additional scanning of the chemical supplier, directly at the filling station or the end customer's dispensing station.

Chemical, Batch and Container Data
simply added

Chemical, Batch and Container Data
simply added

SUPPLY LINE

Dip Tube Details →|

ⓘ Data   🕓 History

RFID-Chip
01001F000010DE73

Dip Tube Lifetime
10/2022

Chemical
BRAND® Sulfuric Acid 98% / SLSI / Customer 1

Batch no.
230622A

🔗 Installed

Container ⓘ

Container S/N
123456

Container Inspection
08/2022 🗑

Container Lifetime
02/2024

Chemical
individually added
including Concentration,
Quality, Customer / Supplier

Batch
manually or automatically
assigned during filling

Container Serial no.
added via barcode

Container Lifetime
visual feedback

Prevents Accidents
during filling and emptying

SUPPLY LINE

Plant Control

3. Release
Switches a contact

2. Real time verification

✓ **Chemical / Quality / Concentration / Customer / Supplier**
if container and station match

✓ **Container lifetime and inspection date**
are not exceeded (during filling)

✓ **Chemical Batch**
can automatically be assigned and documented

1. Automatic reading
- tamper-proof
- without additional handle
- antenna fully incorporated or retrofittable

* The Gateway does not exchange any data with the local plant control system and is therefore as easy to integrate as a standard sensor or switch.

Prevents Accidents
during filling and emptying

Plant Control ⏻

Filling / dispensing can <u>not</u> be started

3. No Release

2. Real time verification

✔ **Chemical / Quality / Concentration / Customer**
if container and station match

✘ **Container lifetime and inspection date**
are exceeded

✔ **Chemical Batch**
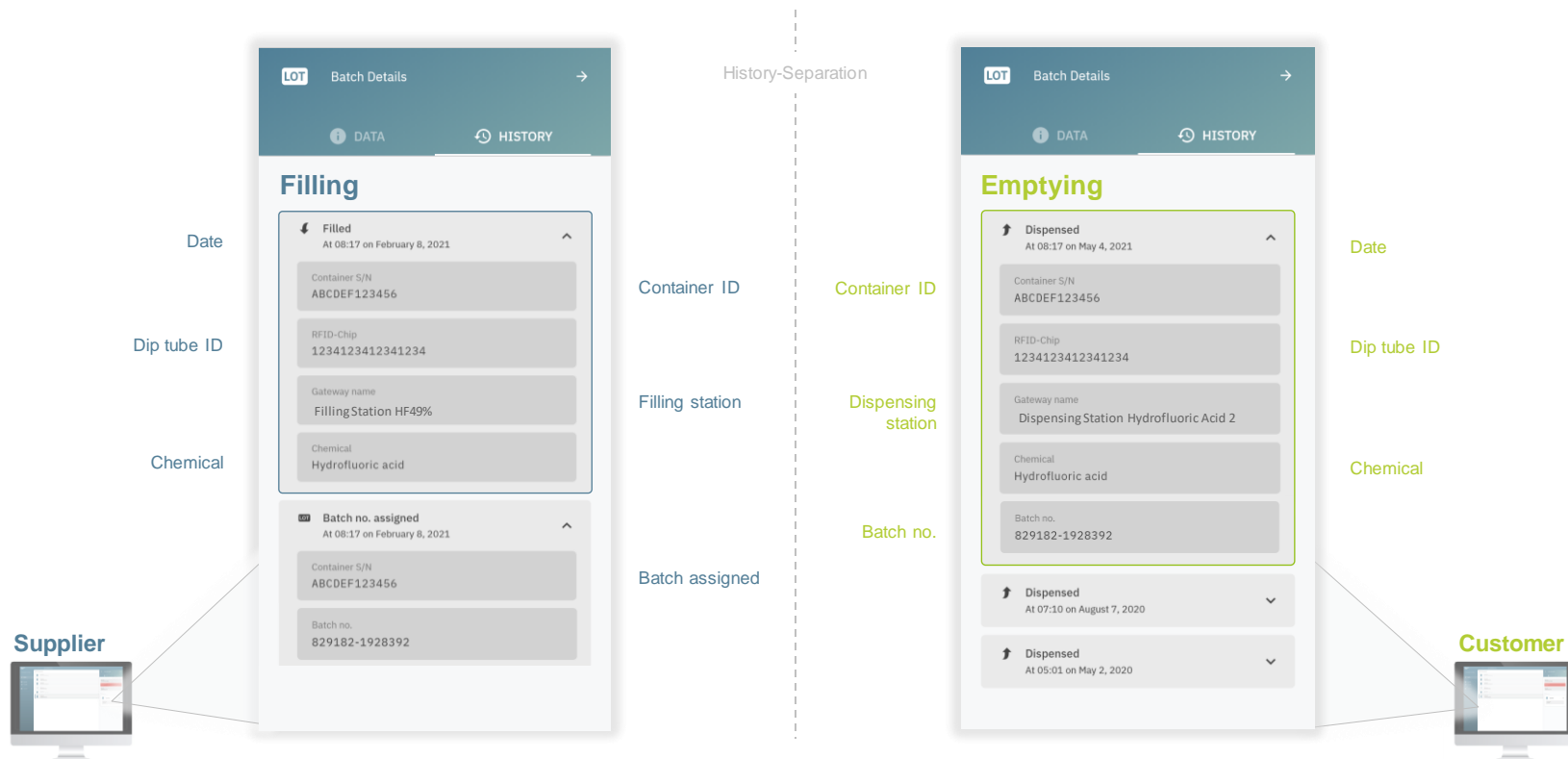can automatically be assigned and documented

1. Automatic reading
- tamper-proof
- without additional handle
- antenna fully incorporated or retrofittable

* The Gateway does not exchange any data with the local plant control system and is therefore as easy to integrate as a standard sensor or switch.

Automatic Documentation
100% traceable

History-Separation

Filling

Filled
At 08:17 on February 8, 2021

Container S/N
ABCDEF123456

RFID-Chip
1234123412341234

Gateway name
Filling Station HF49%

Chemical
Hydrofluoric acid

Batch no. assigned
At 08:17 on February 8, 2021

Container S/N
ABCDEF123456

Batch no.
829182-1928392

Emptying

Dispensed
At 08:17 on May 4, 2021

Container S/N
ABCDEF123456

RFID-Chip
1234123412341234

Gateway name
Dispensing Station Hydrofluoric Acid 2

Chemical
Hydrofluoric acid

Batch no.
829182-1928392

Dispensed
At 07:10 on August 7, 2020

Dispensed
At 05:01 on May 2, 2020

Date | Container ID | Container ID | Date

Dip tube ID | Dip tube ID

Filling station | Dispensing station

Chemical | Chemical

Batch no.

Batch assigned

Supplier

Customer

* Only you have access to the history events you record.
You can determine yourself whether the history feature should be activated for your account.

Dip tube and Container History
for Suppliers

Number of fillings

How often was my container filled?

Installation date dip tube

Since when is my dip tube installed?

Time in chemical contact

How long was my container filled?

Dip tube change

In which containers was my dip tube installed?

Dip Tube Details

Data | History

Times refilled: 7 fillings
Chemical contact: 44 days
Dip tube Installed: 94 days

Dip tube installed
At 19:04 on June 23, 2022

Container S/N
123456

Dip tube removed
At 12:00 on June 24, 2022

Dip tube installed
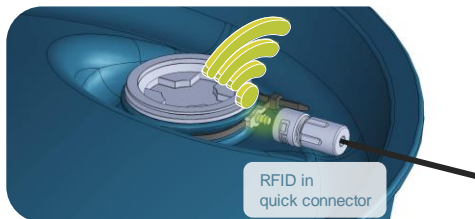At 12:00 on June 24, 2022
68 days

Works with all Containers
even without dip tube

Fully incorporated
in dip tube

Seperately
attached to container

Retrofitted
to tank quick connect

RFID in quick connector

SUPPLY LINE
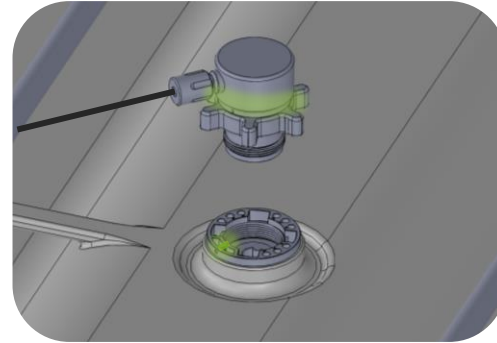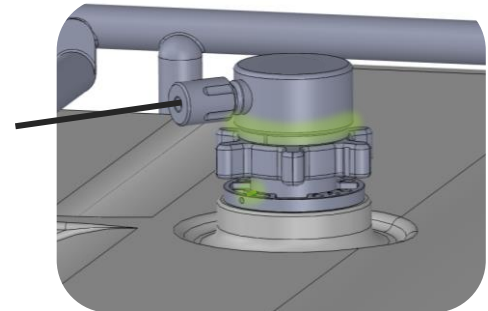
Existing Fill / Dispense Heads
RFID Antenna to retrofit

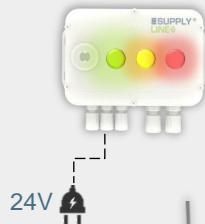Filling not via dip tube?
Check RFID chip anyway

Adapter with RFID antenna for quick connection to dip tube during filling via separate container opening

Hang it up, Plug it in and Go!
SupplyLine "Starter-Kit"

1. SupplyLine®-Gateway
- Large signal light shows if everything is correct!
- Plug-and-play
- 100% against chemical vapors

24V

Test for yourself
Free of Charge

3. RFID Reader
easy assignment and readout of data

3. Fill / Dispense Head
RFID antenna incorporated
or
separately for retrofitting

4. Router
as an alternative to the corporate network

SupplyLine Web-App
- Immediately ready for use without any installation
- Accessible via any web browser

LOGIN

RFID in Dip Tube
Preinstalled as a standard with digital chemical code

Contact

Do you need more information?
Please don't hesitate to contact me directly.

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