

**DINOGX**

NORTH-TEC Maschinenbau GmbH

# DINGX – Made by



**Ding.X is an in-house development. It was created from a simple idea: If we want to operate our own plants more efficiently and transparently, we need a tool that digitizes and connects all processes.**



**DINGX – Made by**



**NORTH  
TEC**



**Concept**



**Plant  
Engineering**



**Control  
Technology**



**Digitalization**



**Support**



**Service**

# What Is DINGX

**Ding.X is a software platform for the digitization of technical processes and operational management. It can be used via web browser and mobile app.**

1

Reduction of paper chaos and Excel spreadsheets

2

Digitization of processes and documentation

3

Automated task and maintenance planning

4

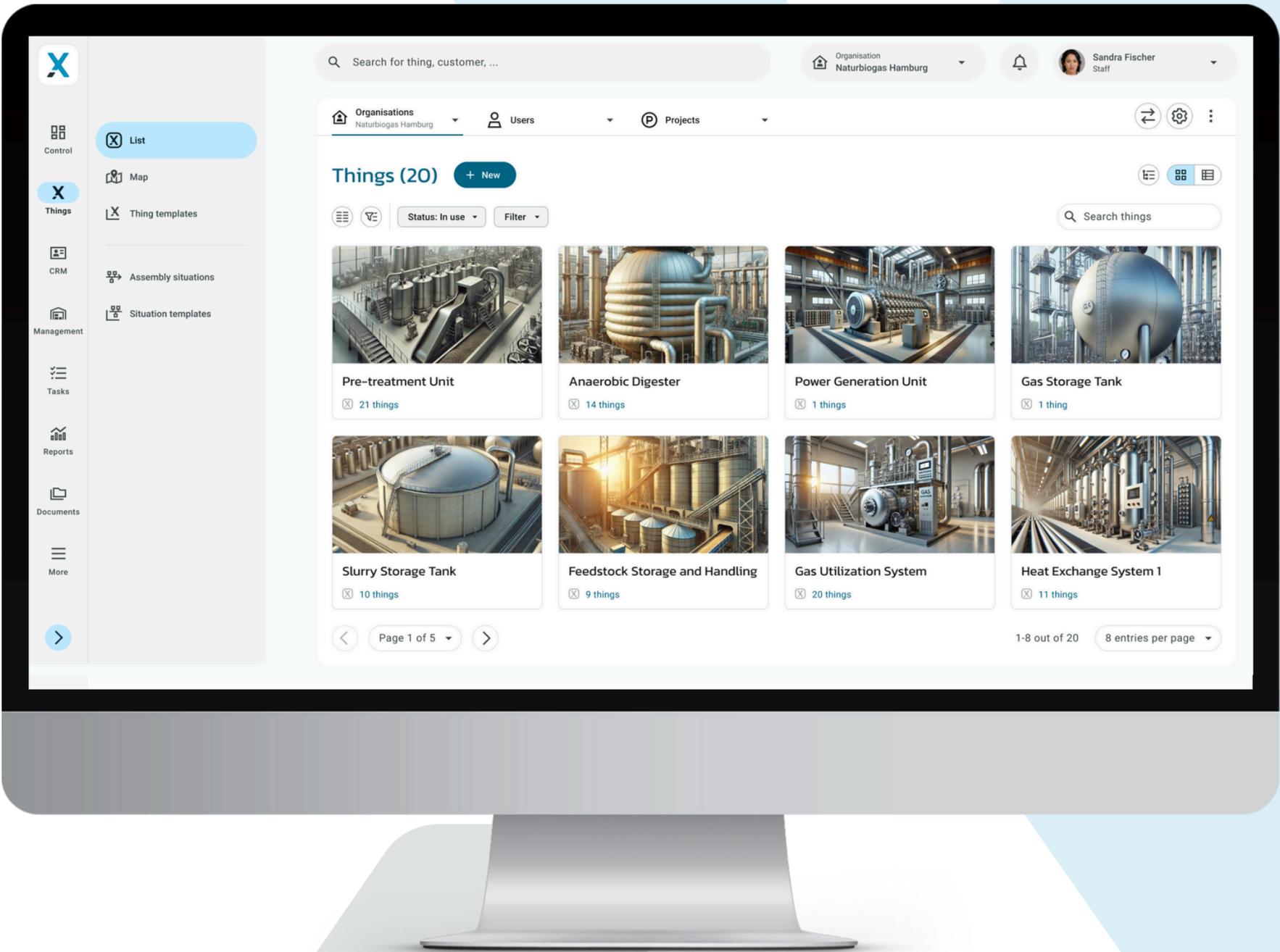
Real-time transparency of plants and conditions

5

Audit-ready traceability

# Asset Management

Ding.X intelligently links machines, tools and maintenance cycles in a smart and mobile way – **for better visibility, safety and efficiency.**



# Automated Maintenance Planning

**Result:** Higher predictability, fewer unplanned downtimes and ensured compliance.

1

Maintenance and inspection cycles can be predefined (e.g. daily, weekly or sensor-controlled tasks).

2

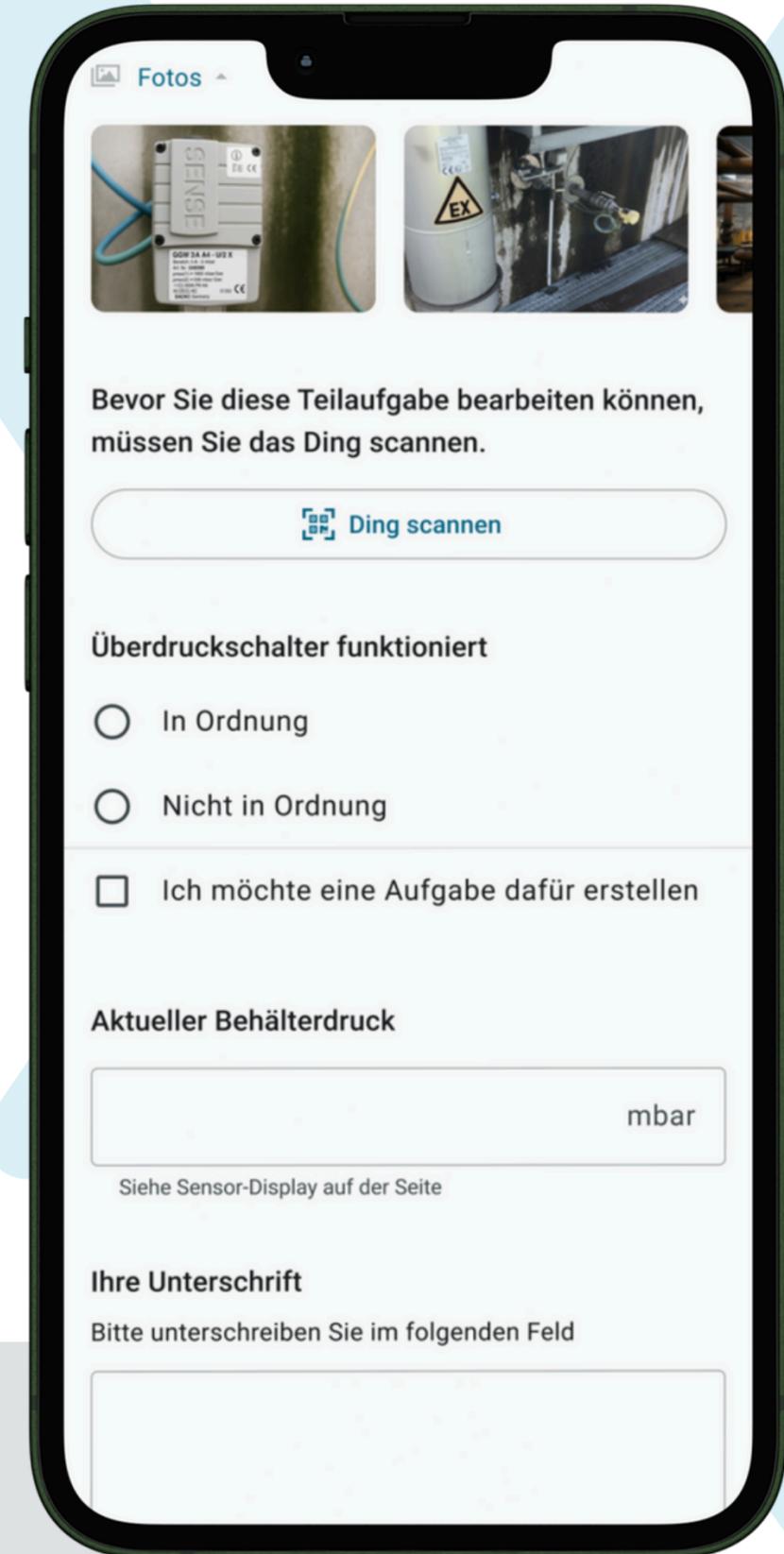
The software automatically sends reminders to responsible persons and documents each step.

3

Maintenance can be triggered by time-based, sensor-based or event-based conditions.

# Smart Plant Inspections & Maintenance Plans

Ding.X lets you plan and document facility inspections digitally via the app, using **QR or NFC tags**. Inspections are completed on mobile devices, fully documented, and with time and location stamps.



Fotos

Bevor Sie diese Teilaufgabe bearbeiten können, müssen Sie das Ding scannen.

Überdruckschalter funktioniert

In Ordnung

Nicht in Ordnung

Ich möchte eine Aufgabe dafür erstellen

Aktueller Behälterdruck

mbar

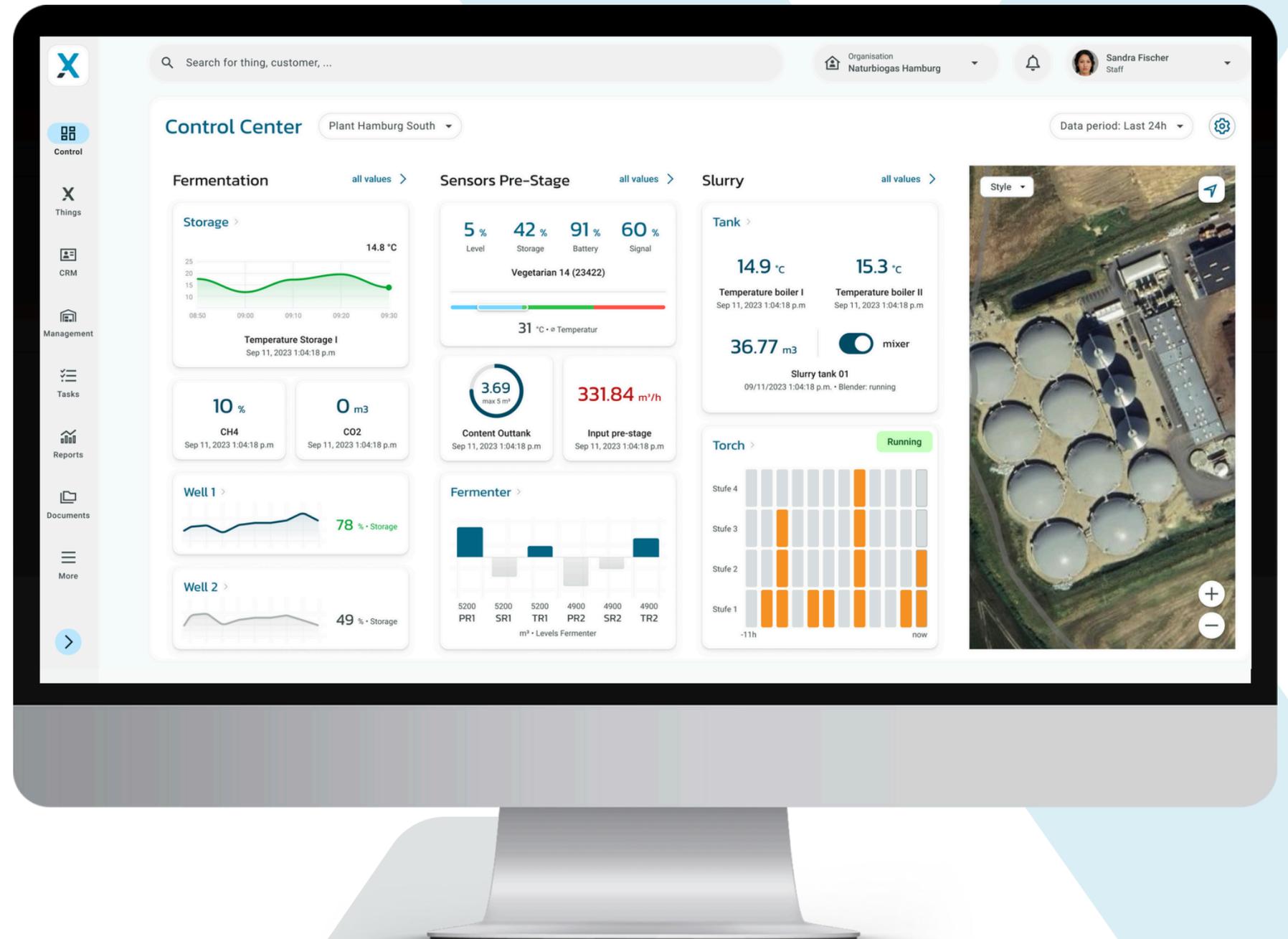
Siehe Sensor-Display auf der Seite

Ihre Unterschrift

Bitte unterschreiben Sie im folgenden Feld

# Energy Management (Live Data & Dashboards)

Ding.X provides live data, such as **sensor status and energy consumption**, clearly displayed in dashboards.



# Revision- and Audit-Ready Documentation

1

With timestamp

2

With GPS/location

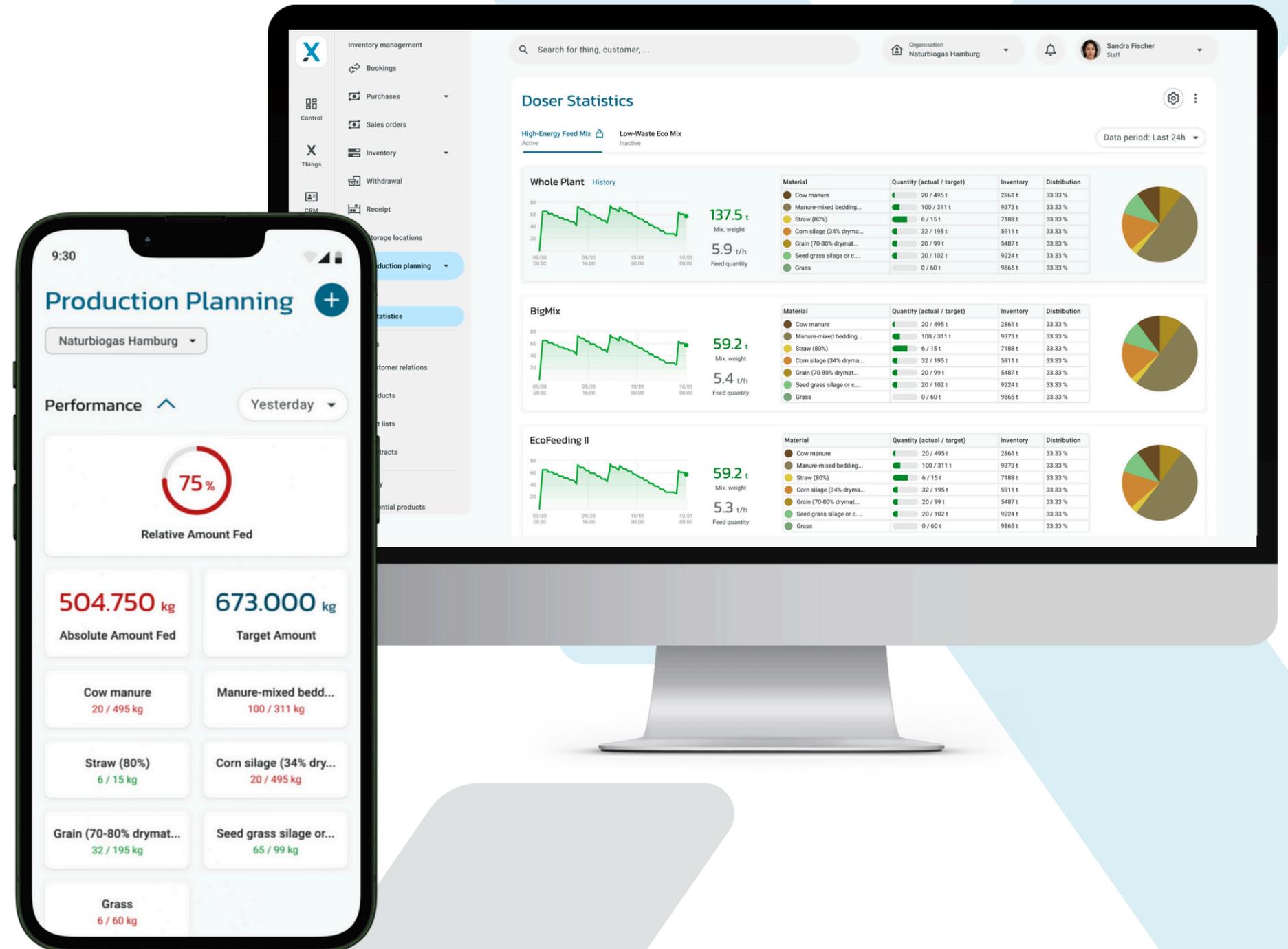
3

With image or note documentation

All actions are automatically recorded.

# Traceability – Traceability of Processes

A central aspect for biogas plants is traceability.



# Traceability – Traceability of processes

In many plants, traceability is becoming increasingly important – especially due to **RED II and III**.

1

All activities and data flows are recorded digitally and in a tamper-proof way.

2

This is particularly important for complying with regulations like the RED II Directive (Renewable Energy Directive).

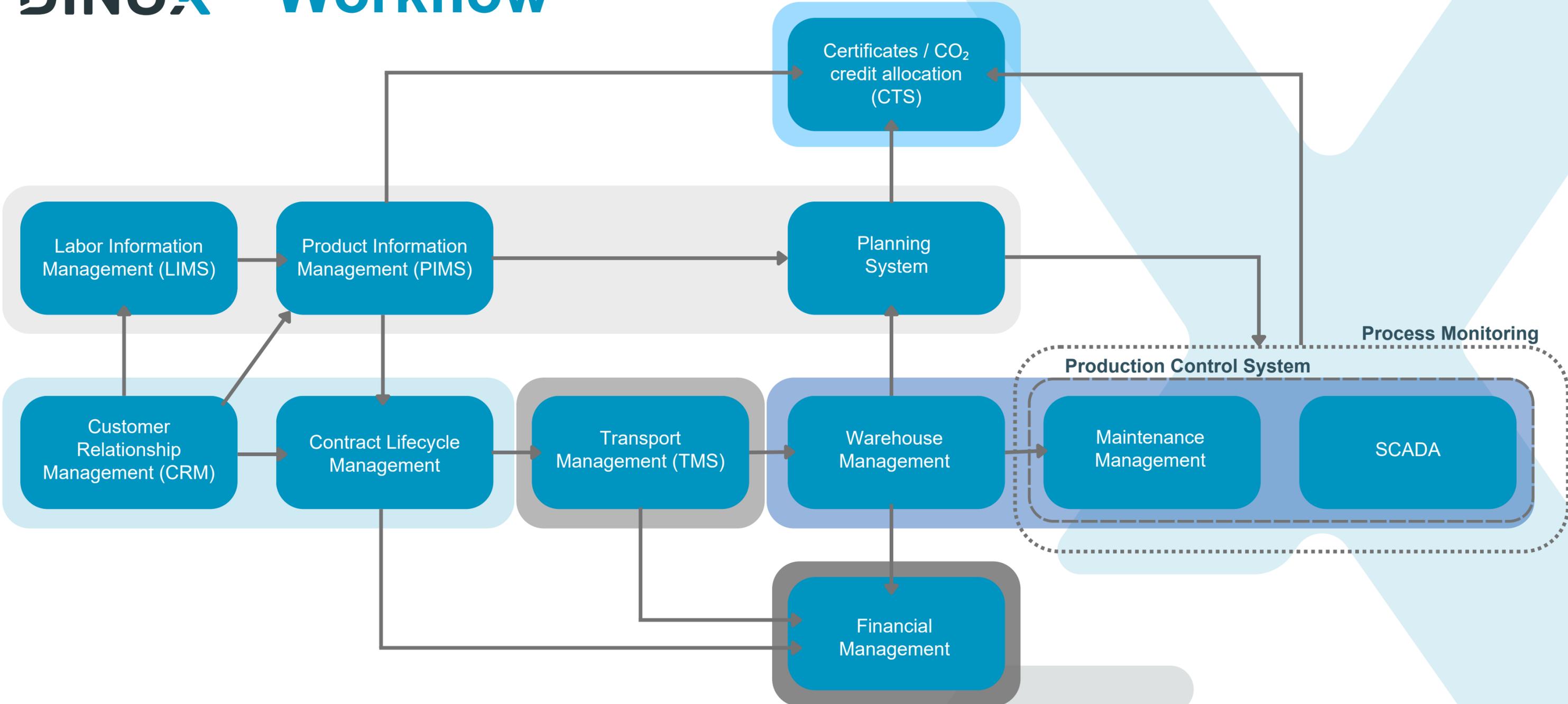
3

Each process chain can be reconstructed – from raw material input to the final product.



Ding.X was awarded the Agromek Star 2025 for its traceability features.

# DINGX – Workflow



- Procurement
- Logistics
- Biology
- Production
- Trading
- Corporate Functions

# Concrete Benefits for Plant Operation

A fully digitized, efficient and secure operational management – with one platform that **connects processes, simplifies work, and ensures transparency.**

1

## Processes become simpler

Less paperwork, less searching, less explaining.

2

## Processes become faster

Everything is immediately available – mobile, digital, synchronized.

3

## Processes become safer

Nothing is forgotten, everything is documented.

4

## Processes become more efficient

Better data = better decisions.

5

## Processes become audit-ready

You are prepared at all times – regardless of personnel.

# Conclusion

Ding.X is a digital platform that intelligently connects and automates technical operational processes. It creates transparency, reduces errors and manual work, and provides smart support for maintenance, control, documentation, and traceability – exactly what modern biogas plants and technical teams need.

