

AAanalytics



- The digital backbone of Panoptic® & HLZ®

Turning deposit transactions into trusted data infrastructure

Operate with confidence · Report with certainty · Optimize with data

The Challenge

Modern deposit systems generate high volumes of transaction data. But without a reliable backbone, that data is underutilised.

AAAnalytics

Data gaps and possible errors

Incomplete or unvalidated transaction data undermines financial settlement and audit readiness.

Reactive service

No visibility into machine health means issues are discovered late, increasing downtime and cost.

Integration complexity

Custom integrations per project drain resources and introduce fragility across the system landscape.

Compliance exposure

Growing regulatory scrutiny demands traceable, auditable data flows from machine to business system.

Our solution: **AA**Analytics

- AAAnalytics is the data platform for modern deposit systems
- It collects, validates and distributes transaction data from machines into business systems
- Creating a reliable foundation for financial and operational processes

WHERE

At the machine

PanoptiCash® and HLZ® generate data at the point of transaction. Containers counted, identified and registered at high speed.

WHAT

AAAnalytics bridges the gap

Data is structured, validated and distributed through a controlled pipeline. From machine to backend to business system.

WHY

Trusted infrastructure

Every transaction is traceable. Financial settlement, compliance reporting and service diagnostics all depend on reliable data.

Creates value

1 Data and Documentation

- Digitally signed transaction files
- Audit-ready documentation
- Transparent reporting
- Industry-standard compliance

↑ Protect customer revenue and regulatory compliance

2 Proactive Operations

- Remote monitoring of all machines
- Faster troubleshooting
- Fewer on-site service visits
- Reduced downtime

↑ Higher uptime and faster problem resolution

3 Lower Lifecycle Cost

- Remote support replaces site visits
- Faster fault identification
- Data-driven improvement
- Reduced operational cost

↑ Lower total cost of ownership

4 Platform for Future Capabilities

- Data visualisation & analytics
- AI-based optimisation
- Performance analytics
- Scalable digital services

↑ Future-ready digital infrastructure

Trusted data and compliance

AAalytics ensures every transaction is captured, validated and traceable.

1

Digitally signed transaction files

Every counting event is cryptographically signed, creating tamper-proof records for disputes and audits.

2

End-to-end data traceability

Trace individual transactions across all systems, from machine registration to financial settlement.

3

Audit-ready documentation

Structured logs and audit trails meet regulatory requirements — ready for inspection at any time.

100%

Transaction capture

No gaps in the data pipeline

Signed

Digital audit trail

Cryptographic proof on every file

Always

Audit-ready

Documentation available on demand

Proactive operations and remote service

AAanalytics connects machines to your operations team in real time.

Enabling remote diagnostics, proactive alerts and faster resolution without costly on-site visits.

Real-time monitoring

Fleet overview of all connected machines. Status, uptime, container volumes and performance metrics visible at a glance.

98.2%

Fleet avg. uptime

Instant alerting

Automated notifications for machine errors, bin fill levels and service needs. Your team acts before customers are affected.

< 1 min

Alert response

Remote diagnostics

Service engineers access logs, run diagnostics and often resolve issues remotely. Reducing truck rolls and cutting lifecycle cost.

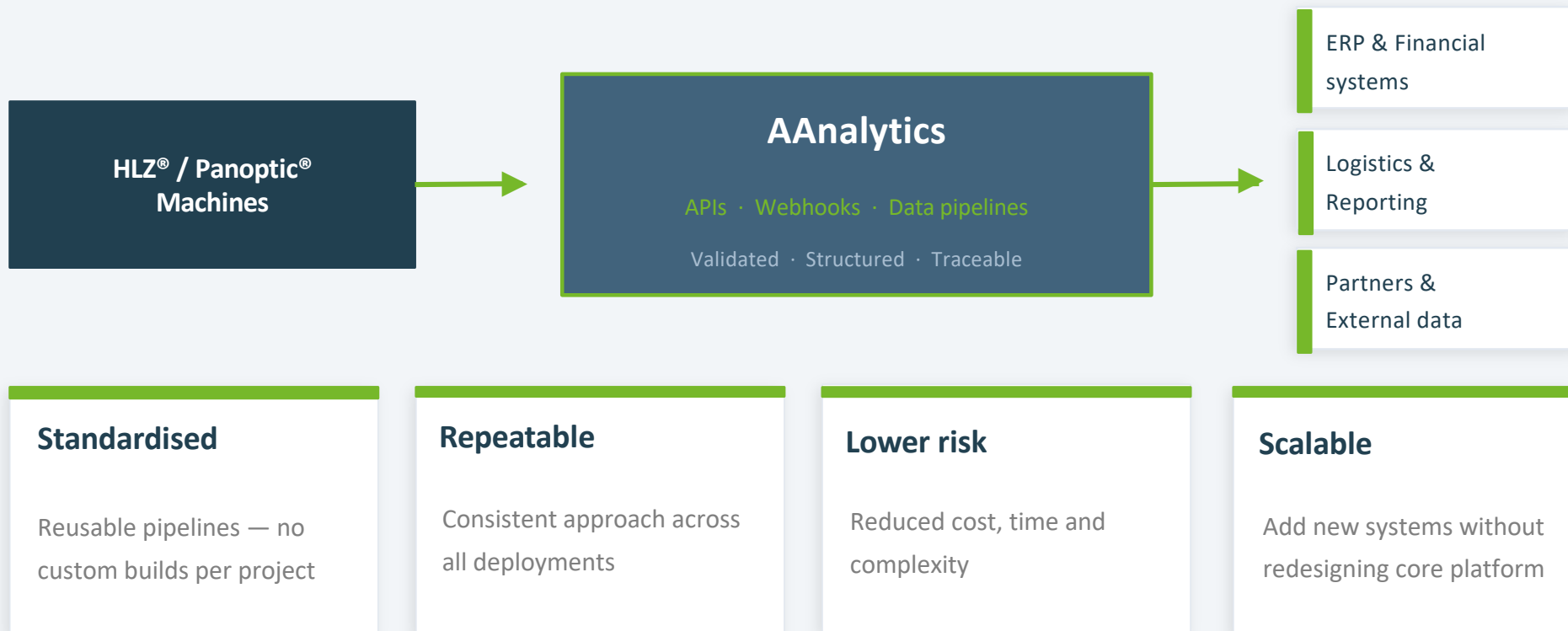


Fewer on-site visits

Standardized integration

Integration complexity is one of the biggest risks in deposit systems.

AAalytics removes that risk through standardised APIs, webhooks and reusable data pipelines.



Built for compliance

Deposit systems are under increasing regulatory scrutiny.

AAanalytics is built with transparency, security and control at its core.

Centralised logging

All key data flows are centrally logged and monitored. Full visibility into system behaviour with reliable troubleshooting.

Secure data transfer

Data is securely transferred and traceable across all services — from machine registration to business system consumption.

Integrated observability

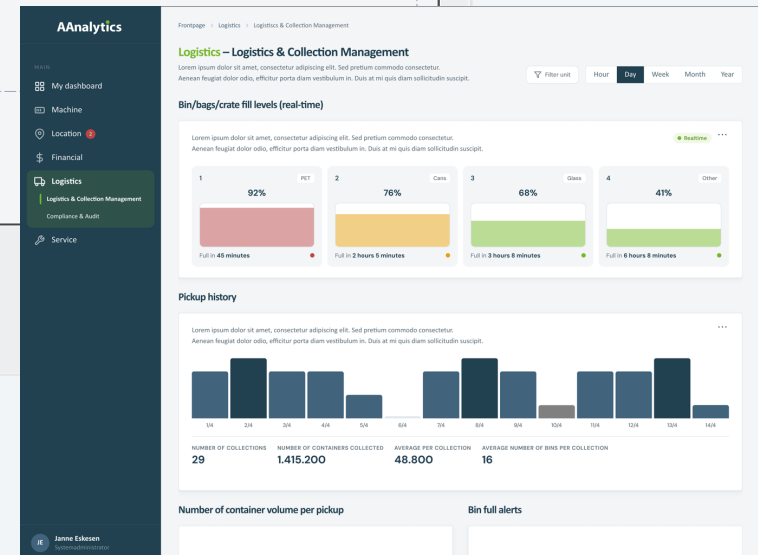
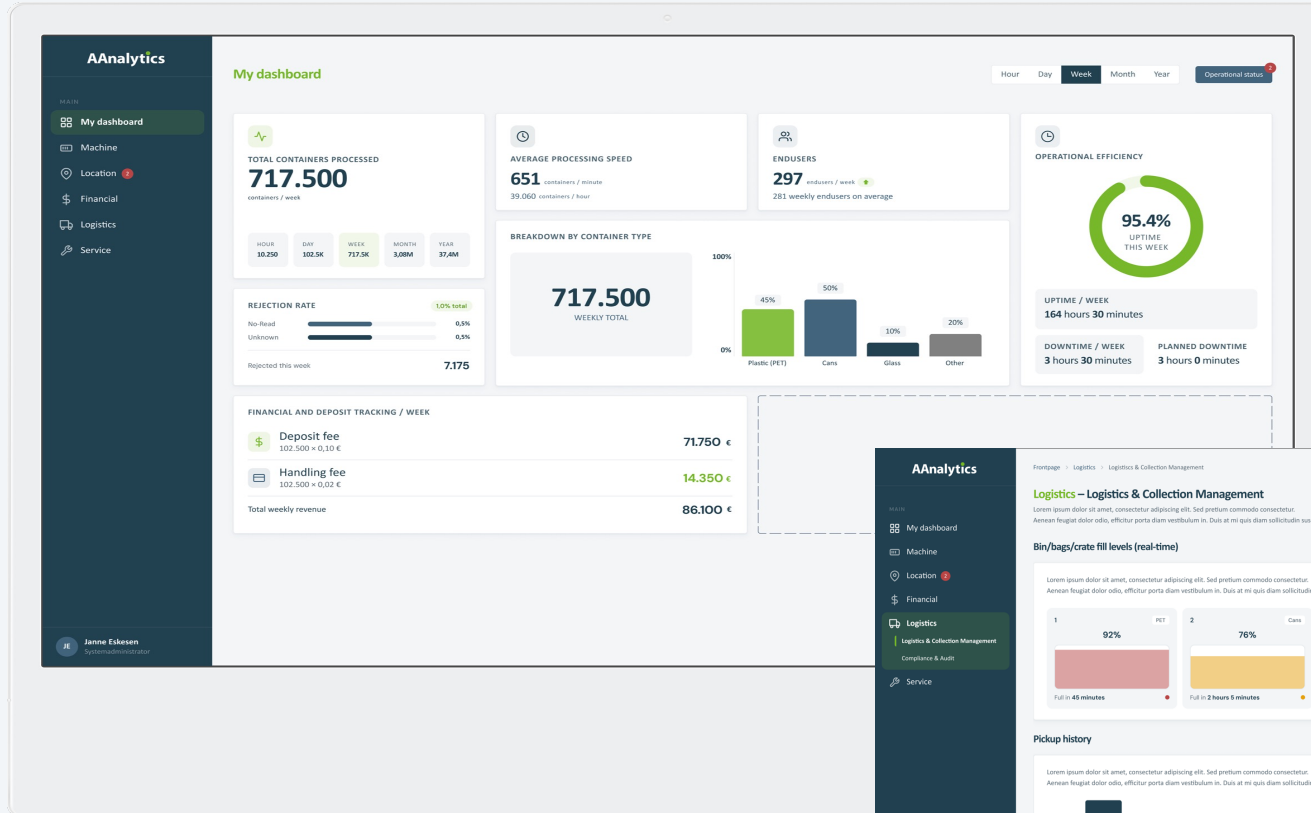
Structured observability across the platform. Identify and resolve issues anywhere in the data flow quickly and confidently.

Audit-ready documentation

Every transaction leaves a documented trail. Ready for regulatory inspection, partner audits and dispute resolution.

AAalytics Platform

AAalytics



Built to scale – ready for the future

Deposit systems evolve. And so do the requirements for data.

AAalytics is designed as a scalable platform that adapts without redesigning the core.

01 New markets

Add geographies and system setups without platform redesign.

AAalytics supports multi-market, multi-language and multi-currency deployments.

02 Increasing volumes

The platform is built to handle growing transaction volumes as deposit schemes expand and return rates improve.

03 Evolving regulation

As regulatory requirements change, AAalytics adapts. New reporting formats, audit requirements and compliance checks can be integrated without disruption.

04 Future digital services

Data visualisation, optimisation, performance analytics and new digital services can be built on top of the AAalytics platform.