

# Turn wastewater telemetry into trusted performance evidence.

ProofBlue helps wastewater operators, utilities and technology partners transform plant data into clear, credible reporting for operations, warranty support, compliance and stakeholder communication.



## THE PROBLEM

# Plants generate data. Stakeholders still struggle to use it as **defensible evidence**.

Operational systems are optimized for control. External reporting requires context, continuity and a format that customers, partners and reviewers can understand.

1



## Fragmented reporting

Signals are distributed across dashboards, registers, spreadsheets and manually assembled reports.

2



## Low external readability

Good operational data can remain difficult for municipalities, partners and service teams to interpret.

3



## Weak proof continuity

When issues arise, teams often reconstruct the past rather than reviewing a structured evidence trail.

## The gap is not a lack of telemetry. It is the lack of a reliable assurance layer above the control stack.



SCADA supports day-to-day operations and alarms.



ProofBlue organizes telemetry into reviewable performance evidence.

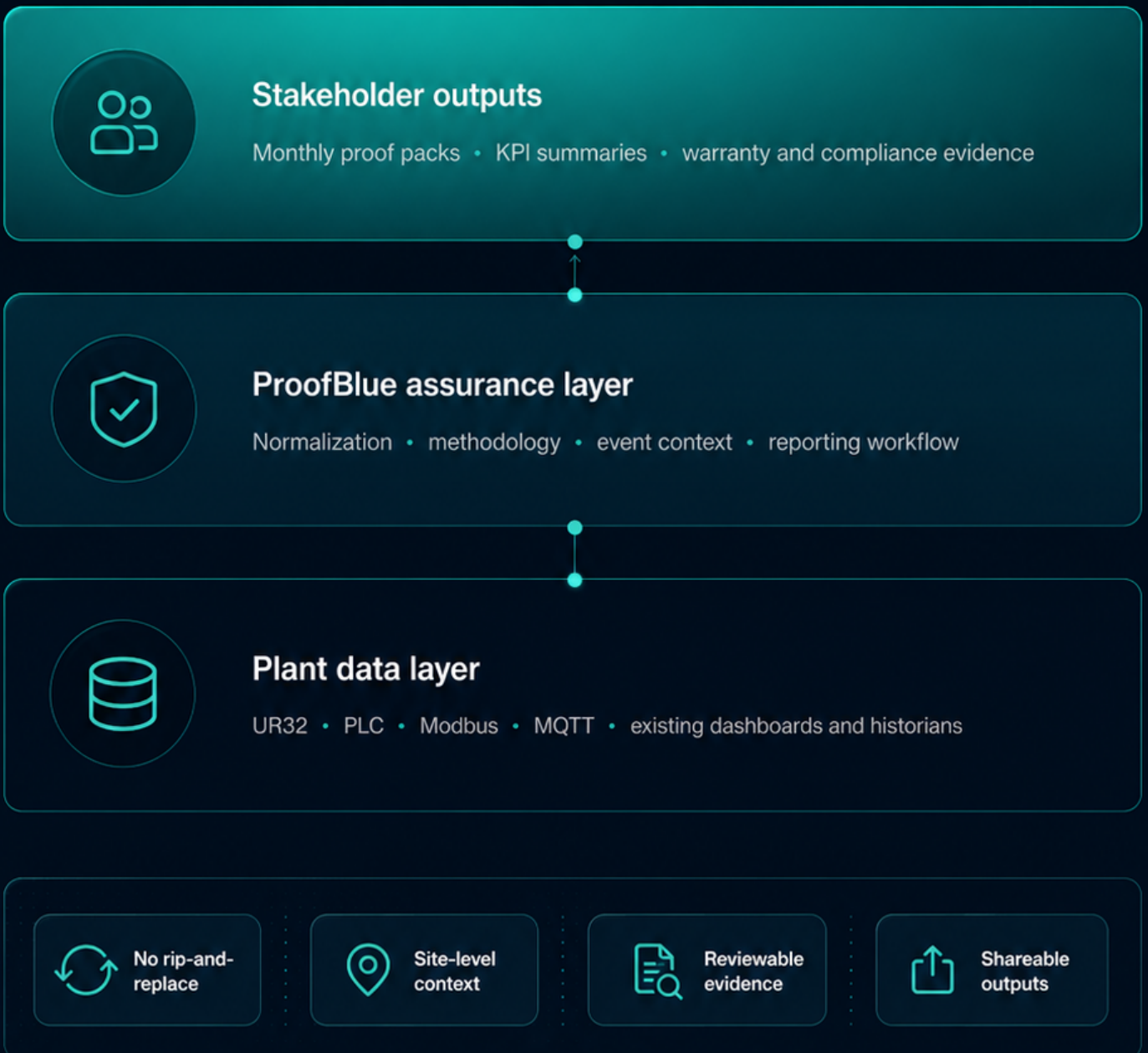


The result is clearer reporting with less ambiguity and manual reconstruction.

THE PLATFORM

# An assurance layer above the existing plant stack.

ProofBlue connects to the data infrastructure already in place and turns raw signals into structured KPI reporting, proof packs and decision-ready outputs.



HOW IT WORKS

# From plant signal to trusted performance record.

A repeatable workflow converts telemetry into evidence that can be reviewed, shared and used across operational and commercial discussions.



WHO IT IS FOR

# Built around customer use cases **first.**

ProofBlue supports stakeholders who need to communicate treatment performance beyond the operations room.



## Operators & integrators



Clearer monthly reporting, stronger differentiation and less ambiguity around site performance.



## Municipal utilities



Transparent reporting and easier communication with public and institutional stakeholders.



## OEM & membrane service teams



More trustworthy field context for support, warranty and installed-base performance reviews.



## Industrial water teams



Structured evidence for reporting discipline, process performance and partner communication.

REFERENCE ENVIRONMENT

# Mikkeli: a real wastewater setting, not a theory deck.

The ProofBlue model is grounded in a membrane-treatment environment with concrete instrumentation, telemetry flows and reporting logic.

 FIELD SIGNALS



Permeate flow



Air flow



Membrane suction pressure



MLSS



Discharge pressure



Connected through an UR32 / PLC / Modbus integration model into MQTT ingest, persistence, dashboards and structured monthly proof-pack logic.



**Instrumentation is real**

The available configuration maps concrete operating variables from the plant edge.



**The data stack exists**

Telemetry ingestion, storage, dashboards and workflow components are already in place.



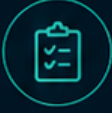
**The value is practical**

The outcome is clearer reporting and lower ambiguity — not extra system complexity.

DEPLOYMENT PATHS


# Structured offers for real plant teams.

Start with a contained, measurable engagement and expand once the reporting workflow proves useful.




### Pilot Proof Pack

One site or line · telemetry review · KPI mapping · dashboard setup · 60–90 day cadence · monthly evidence bundle.



### Warranty Assurance Layer

Warranty state model · event visibility · shareable evidence summaries · verifier-ready reporting outputs.



### Performance Reporting Layer

Monthly KPI summaries · proof-pack templates · site-level workflow · structured operating history.

A PRACTICAL EXPANSION PATH

- 

### Pilot

Validate data and reporting logic
- 

### Operational use

Embed the monthly workflow
- 

### Multi-site rollout

Standardize across facilities
- 

### Partner distribution

Scale through OEMs and integrators

WHAT CUSTOMERS RECEIVE

# A proof pack is a structured evidence product – not another raw dashboard.

It packages the operating period, data context, KPIs, events and methodology into a form that can be reviewed and shared.



MONTHLY PROOF PACK

## Plant performance summary

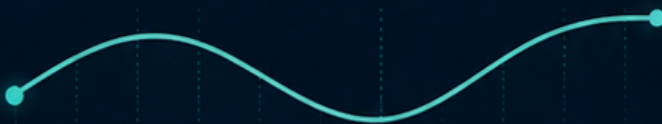
Reporting period · Site · Methodology version

**98.7%**  
Availability

**99.2%**  
Data coverage

**04**  
Events reviewed

**12**  
KPI streams



ACTUAL · AUDIT READY · EVIDENCE VERIFIABLE

### Typical contents

- Executive summary
- Data coverage and quality
- KPI definitions and trends
- Operating events and context
- Methodology and reporting period
- Evidence references
- Exceptions and follow-up actions
- Shareable stakeholder summary

### Designed to be

Readable · reviewable · consistent · shareable

## FOUNDERS

# Built at the intersection of infrastructure software and water-market execution.

ProofBlue combines technical architecture, industrial integration and international market development.



LC

## Luiz Costa

Co-Founder • Product & Technology

Software engineer focused on transforming complex operational data into reliable products and reporting systems. His experience includes distributed systems, industrial IoT, cloud platforms and large-scale monitoring infrastructure.

Distributed systems • Industrial IoT • Digital trust



TH

## Timo Halonen

Co-Founder • Water Industry & Market Development

Tokyo-based operator with extensive experience across industrial IoT, utilities, infrastructure, channel partnerships and customer development. He leads water-industry strategy, international partnerships and Japan-market execution.

Water infrastructure • Partnerships • Japan market



Founder photographs can replace the initials in the website and final press version once approved high-resolution images are supplied.

START WITH ONE SITE

# Request a pilot briefing.

A contained 60–90 day scope keeps the first engagement practical, measurable and tied to a real reporting need.

## A strong first conversation covers:

- ✓ One facility or treatment line
- ✓ Available telemetry and integration points
- ✓ Priority KPIs and reporting audience
- ✓ Current warranty, compliance or communication pain point
- ✓ Success criteria for the first proof pack



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**SCADA helps operate. ProofBlue helps prove.**