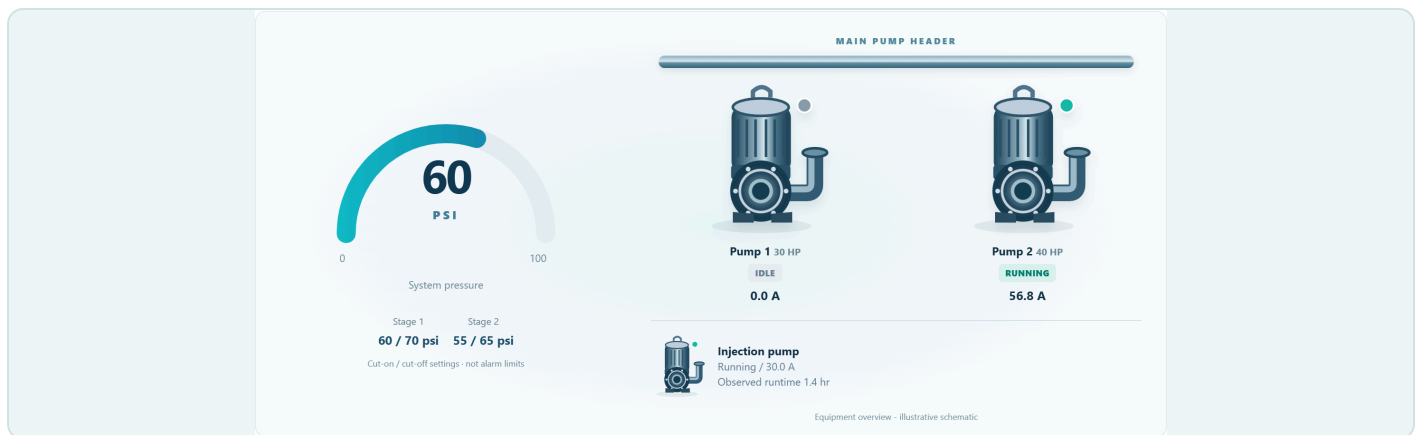


CAPABILITIES / WATER & WASTEWATER

Know what changed. Know what to check next.

BasinPilot Controls brings pressure, level, pump activity and operating history into a clear picture for water and wastewater teams. The goal is better-informed decisions: what is happening, why it matters, and the evidence behind the next check.



Pressure and pump train / Willow Creek Well · Torent Wells recorded-data demonstration

Our focus

Lift stations, pumping stations, private and community wells, and water-system operations. Connect the measurements that matter to practical maintenance and operating decisions.

What you can explore today

Working browser demonstrations show station views, dimensional equipment graphics, comparison graphs, pump starts and runtime, alarm history and maintenance guidance. The well demonstration contains 27 fictional sites with staggered phases of one source recording—not 27 independently measured sites.

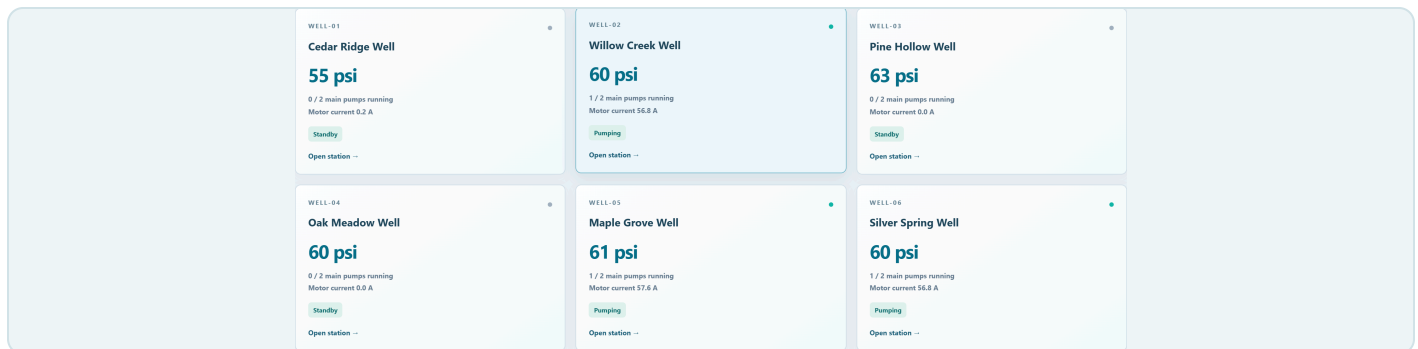
A defined path to a live site

Production connectivity, notifications, persistent history, user access and any control functions are scoped, validated and commissioned for each installation. Demonstration capability is not a claim of an installed production system.

01 / OPERATOR VISIBILITY

One operating picture. Useful detail underneath.

Start with the network, identify the station that needs attention, then follow the evidence into its equipment and history. Bring the operator closer to an informed decision without burying the important signals.



Network overview / six of the 27 demonstration wells · Toront Wells recorded-data demonstration

Network to equipment

View station pressure or level, pump activity and available alarm indicators. Open a station for equipment graphics, control-setting context, point comparisons and operating history. Site names and equipment identities keep the investigation anchored to the correct asset.

Graph first, then interpret

Compare related measurements on a shared timeline: pressure with pump state and amps, or wet-well level with pump run intervals. Use separate axes for different units and preserve the observation times. Graphing appears above preventive-maintenance guidance in the well demonstration.

Distinguish facts from interpretation

A source alarm, an ON controller flag and an analytical review finding are different things. Show the observed condition, the supporting time window, possible explanations and a practical next check. A command is not proof of equipment response.

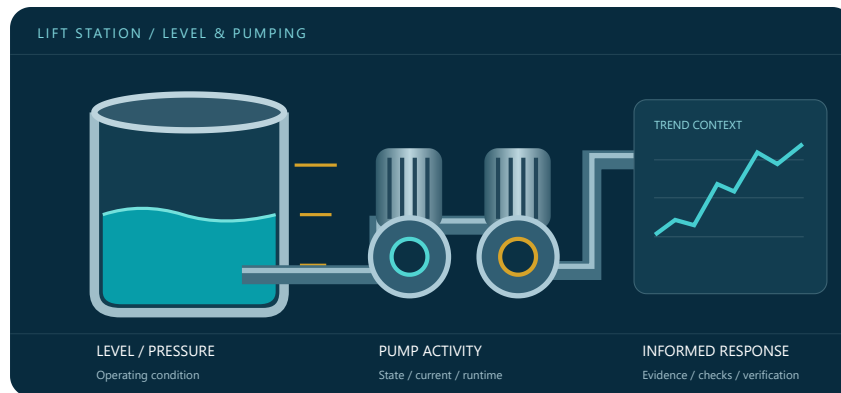
Make gaps visible in production

Live-site acceptance must verify freshness, missing-data handling and source timestamps. Last-known readings must not appear current. The demonstration's filtered point selector is a presentation choice, not a production outage-detection policy.

02 / WASTEWATER & LIFT STATIONS

Understand the wet well. Put pump behavior in context.

Level alone does not explain station performance. Its relationship to pump activity, incoming flow, settings and alarms helps operators narrow the investigation.



Measurements to connect

Wet-well level and engineering units; start/stop and high-level settings; individual pump status, runtime and starts; available current or power readings; and verified power, communications and alarm signals. Discovery confirms which points actually exist and how they are mapped.

Calculations that support review

Level rate of change, pump run duration, starts per hour and relative workload can highlight patterns worth checking. A rising level while a pump runs can reflect high inflow, reduced pumping, a restriction or a sensor issue; it does not establish a single cause.

Drawdown and time-to-limit estimates

With verified geometry and representative operating conditions, volume change can support flow estimates. During pump operation, level drawdown measures net outflow—not total pump flow unless inflow is also accounted for. A time-to-limit estimate assumes a continuing rate and becomes unavailable when evidence is insufficient.

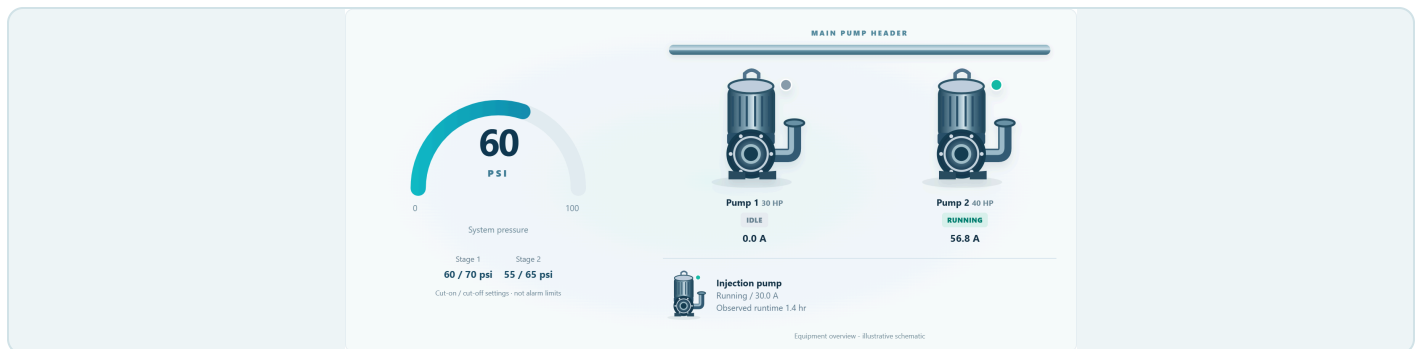
Practical next checks

Compare level trends with individual pump states and concurrent inflow conditions. Review known maintenance, obstruction history, controls and sensor accuracy. Field work and equipment operation remain with qualified, authorized personnel.

03 / WELLS & WATER PUMPING

See pressure recovery. Understand the workload.

Pair pressure with pump state, motor current and run duration to understand how a station responds. Add trustworthy flow and energy measurements when the decision requires them.



Pressure and pump train / Willow Creek Well · Toront Wells recorded-data demonstration

Pressure and pump train

Display primary pressure, available secondary pressure, stage cut-on/cut-off settings, main-pump status and current, injection-pump status, and ambient conditions where supplied. Settings provide operating context; they are not automatically alarm thresholds.

Duty, starts and standby visibility

Integrate observed ON intervals for runtime, count OFF-to-ON transitions, compare workload and show when a standby pump was last observed running. A pump that never shows ON may be intentionally standby; verify its assignment, exercise records and status feedback before calling it failed.

Pressure recovery and running amps

Compare completed-run duration and pressure change with an established baseline. Assess running current under comparable pressure, demand and electrical conditions. Current alone does not prove motor wear, and pressure gain alone is not pump efficiency.

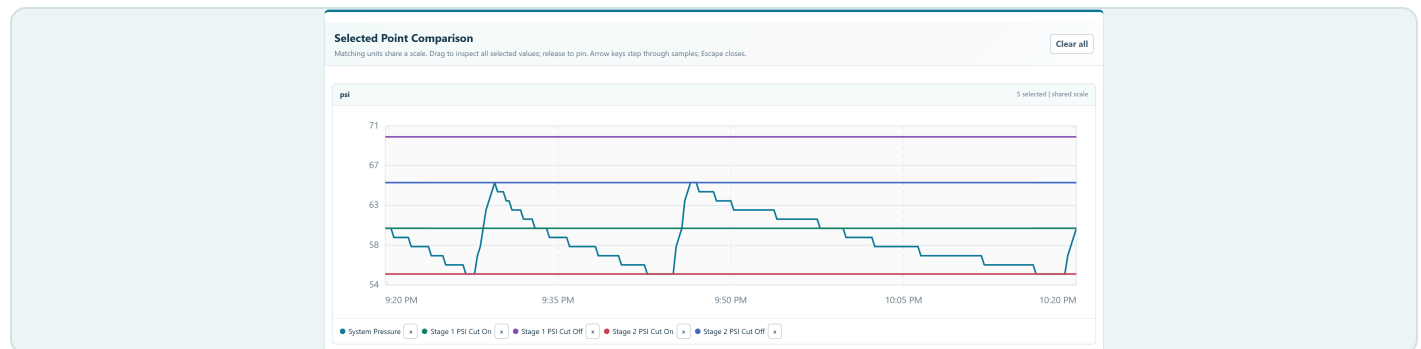
Consumption requires the right measurement

Reported gallon values may be counters, not flow. Counter differences require verified units, resets, rollover behavior and time intervals. Negative or invalid values cannot become consumption. Energy per volume requires validated energy and volume over the same measurement boundary and period.

04 / PREVENTIVE MAINTENANCE

Turn a pattern into a focused check.

Useful maintenance intelligence explains what was observed, why it deserves attention, which alternative causes remain possible, and how to verify the result after authorized work.



Pressure history and control settings / Willow Creek Well · Torent Wells recorded-data demonstration

Watch the patterns that matter

Repeated starts, unusually long runs, changing pressure recovery, uneven duty, prolonged standby inactivity and changing running amps are useful screening signals. Compare against a documented baseline and equipment-specific operating limits, not an invented universal threshold.

A technician-ready finding

Identify the station and asset, observation time, data quality, condition, comparison period and supporting graph. Separate the measured fact from a suspected cause. Add a practical inspection path and an escalation owner; record the actual cause only when verified.

Example: pressure stays low while a pump is ON

Observe the pressure range and duration alongside state and current. Investigate demand, supply, sensing, controls and pumping conditions. After authorized action, verify pressure recovery under comparable conditions and preserve the before/after evidence. This is an investigation pattern, not a diagnosis from one signal.

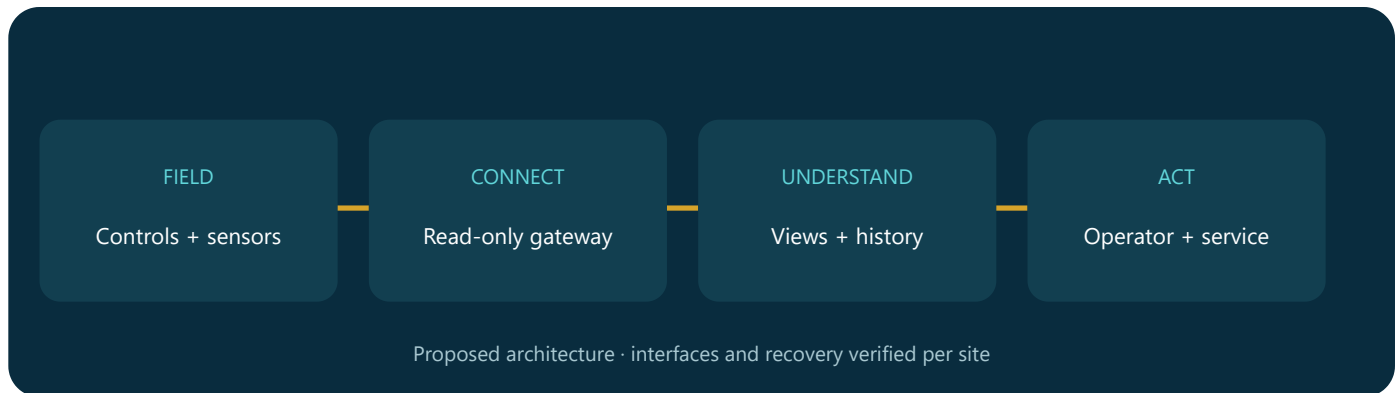
Close the loop

A commissioned workflow should link findings to assigned work, service notes, verification and closure. Work-order integration, notifications, escalation and report-release responsibilities are proposed project scope—not functions claimed to be implemented by the current demonstrations.

05 / CONNECTIONS & CONTINUITY

Build on verified signals. Keep local control local.

Begin with the installed equipment and supported interfaces. A useful dashboard depends on dependable point mapping, time alignment, data quality and a tested operating boundary.



Read-only discovery first

Inventory controllers, sensors, existing supervisory systems, historian exports and available interfaces. Confirm point access, units, scaling, licensing, permissions and update rates. Compatibility is verified per system; the brand is not represented as universally compatible with every controller.

A proposed site architecture

Existing controls feed an approved read-only connection to an onsite gateway, with optional local display and approved remote services. Gateway buffering, retained controller history, battery backup and timestamp-ordered recovery are specified and tested where included. No retention period, battery runtime or outage performance is promised before commissioning.

Access and accountability

Define named users, roles, least-privilege access, approved remote support, logging, updates and recovery. Hosting, network connections, security requirements and data ownership are agreed for the project. The public demos are not an authenticated production portal.

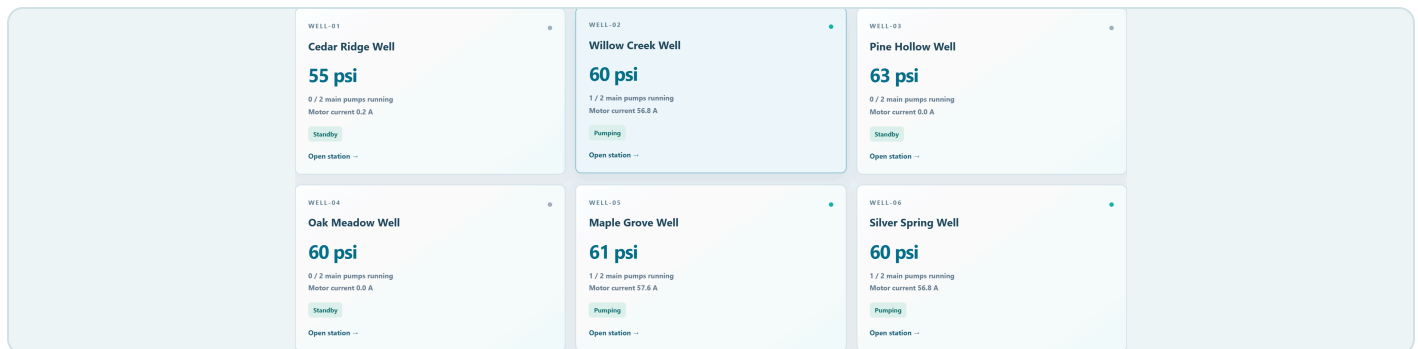
Any later control is a separate scope

Monitoring access does not authorize equipment commands. Any proposed control work requires documented customer approval, validated sequences, named points, operating limits, operator override, command release and tested fallback. Existing equipment protections remain in force. No autonomous AI control is supplied by these demos.

06 / REPORTS & ACCEPTANCE

Give the team evidence they can use again.

A clear operating record supports the next shift, the next service visit and the next investment decision. Define the required deliverables and acceptance checks before expanding the scope.



Network overview / six of the 27 demonstration wells · Toront Wells recorded-data demonstration

Agreed project deliverables

A station and equipment register; approved point map; branded equipment views; time-aligned trends; calculation definitions; baseline and review findings; commissioning results; remaining verification gaps; and an operator handoff. Production report generation and release are validated deliverables, not implied by a screenshot.

Preserve context in every report

Record source identity, asset, period, time zone, units, input quality, calculation method and assumptions. Preserve original exports. Do not count duplicated imports as new real-world observations; the demo's repeated events belong only to its demonstration timeline.

Verify behavior before acceptance

Check point identity and scaling against the source, timestamps, alarm semantics, missing/stale/offline behavior, access permissions and selected calculations. Where included, test communications loss, buffering, recovery and restoration. Document failures and unresolved items rather than accepting them silently.

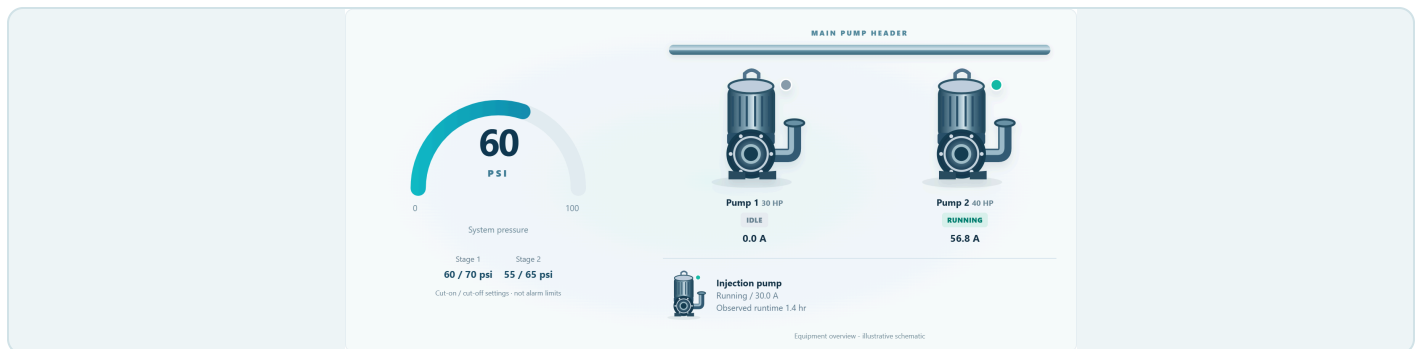
Measure outcomes, not promises

Track the evidence available for operator response, recurring issues and maintenance verification. Savings, avoided failures and regulatory compliance are not guaranteed by the dashboard. Performance claims require a defensible measurement method and supporting records.

07 / START WITH ONE STATION

A practical first step. A clear path to expand.

Start with the operational question your team needs to answer. Use one defined station or group to establish trustworthy evidence, then agree the next phase from what is actually learned.



Pressure and pump train / Willow Creek Well · Toront Wells recorded-data demonstration

1. Discover

Review the station list, equipment, recurring concerns, controls platform, available history, communications and site responsibilities. Identify the decisions the operator and service team need to make sooner.

2. Map and validate

Confirm the approved data interface, point names, scaling, time alignment, data quality and calculation inputs. Agree the read-only starting scope, deliverables and acceptance criteria.

3. Review and verify

Bring the operator and service team into the first findings review. Compare graphs and operating conditions, assign qualified checks and verify the outcome after authorized work. Baselines and review thresholds are documented, not silently changed.

4. Expand by agreement

Add stations, instrumentation, reports, notifications or approved integrations as justified by the evidence. Hardware, support coverage, timelines, pricing and production-control scope are established by proposal.

Start the conversation

Sales Team | mike@procontroltechnologies.com

Bring a station list, controller information, an example export and the recurring issues you want to understand. BasinPilot Controls is the water and wastewater brand; use this address for sales inquiries.