



BROADWATER

— SYSTEMS GROUP —

Architecting Operational Advantage.

BSG deploys industrial-grade smart sensors across rural Montana operations — agriculture, water systems, industrial sites, and educational facilities. Our sensors monitor what matters: temperature, humidity, water levels, equipment status, environmental conditions. When something needs your attention, you know about it before it costs you.

What We Do

BSG operates a private LoRaWAN sensor network across rural Montana. Industrial-grade sensors deployed at your operation report data to local gateway infrastructure — not your business WiFi, not the consumer grade hardware that puts your network security at risk.

You access your data through a secure web portal and mobile app. Configure alert thresholds (setpoints) for any condition you care about. When a setpoint trips, BSG's chain-of-command alert routing reaches the right person via SMS, email, or in-app notification — automatically, with no missed escalations.

Detailed audit reports document every alert, every reading, every system event. Compliance officers, insurance reviewers, and operations managers get the historical record they need without you doing extra work.

Platform Capabilities

- Field-provisionable devices. Tech grabs a pre-configured sensor off the shelf, scans it with their phone at your site, and it appears in your portal — GPS-tagged, mapped, alerting.
- Map-based site visualization. Every device pinned to its real-world location, with status at a glance and rich popups showing live readings.
- Unlimited setpoints per device. Alert above, below, or between thresholds. Each setpoint independently routes its own alert chain.
- Smart alert routing. SMS, email, and in-app messages with chain-of-command escalation. Future deployments add real-time relay control for automated response.
- Compliance-ready audit reports. Every reading, every alert, every acknowledgment timestamped and exportable.
- Industry-specific intelligent reporting. Pattern detection over time — environmental trends, equipment performance baselines, anomaly detection — feeding back into your management decisions.
- White-label ready. Regional service operators can run BSG's platform under their own brand.

Engineered for Montana

Most monitoring platforms are built for places that aren't here. BSG is built for the places that are.

- Industrial sensors rated for Montana cold, sun, and wind.
- Private LoRaWAN network — works where cellular doesn't.
- Local install. Local support. Local accountability.
- Built and operated by a Montana-based engineer who lives in Montana.

Service Tiers

BSG offers transparent monthly pricing across deployment scales. No dealer mediation. No hidden quotes. No "contact sales for pricing."

Tier	Best For	Monthly	Includes
Direct Basic	Single-site pilot deployments	\$79	Up to 10 sensors, 1 gateway
Direct Standard	Working farms, small water systems	\$149	Up to 25 sensors, multiple gateways
Provider Starter	Small managed-service partners	\$199	White-label portal, your branding
Provider Growth	Mid-size service operators	\$399	Expanded capacity, reseller tools
Provider Enterprise	Regional infrastructure operators	\$799	Full white-label, priority support

Installation pricing is project-based and depends on site complexity, sensor count, and travel. Typical small-site installs (1–3 sensors, single building): \$2,500–\$4,500. Medium sites (4–10 sensors, distributed): \$5,500–\$10,000. Large multi-site deployments quoted custom. Travel within 50 miles of Townsend included; distance surcharge may apply beyond.

About Joseph Gill

Joe Gill founded BSG to solve a real operational problem he was watching unfold at the Townsend School District: a greenhouse program with no reliable way to monitor temperature and humidity, and no off-the-shelf product that met institutional security requirements. What started as a fix for one greenhouse turned into a platform serving multiple industries.

Joe brings 15 years of IT experience across school district, medical, and retail sectors, including a decade-plus supporting Townsend K-12 Schools. He holds an Associate of Applied Science in Computer Information Systems from the Community College of Baltimore County and a Bachelor of Applied Science in Forest Management from the University of Montana. He is CompTIA A+ certified.

Joe's path through forestry, brewing supply, and IT gave him hands-on experience with environmental controls, industrial automation, and the operational realities of working in agriculture and rural infrastructure. BSG is the synthesis of all of it — built by someone who has actually run the systems his platform monitors.

Schedule a Site Visit

BSG site visits are no-pressure operational walk-throughs. We come out, look at your operation, listen to where the pain is, and tell you honestly whether sensor monitoring would help — and what it would cost. If the answer is no, we'll tell you that too.

Joseph Gill, Systems Architect

Broadwater Systems Group

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