

# Environmental management analytics and information systems



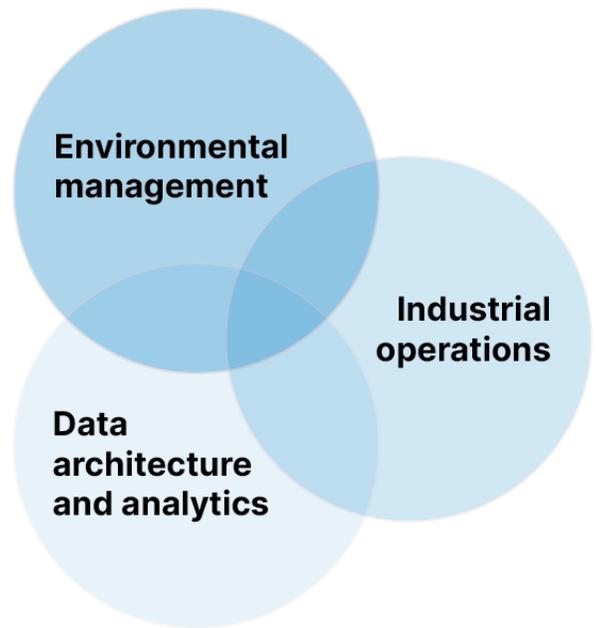
## Environmental data solutions for a seamless digital enterprise

Not that many years ago, it was revolutionary for companies to even *have* a third-party environmental management information system. Now—with digital transformation, artificial intelligence, and advanced analytics, not to mention ESG—companies need EMIS solutions that dovetail with other elements of their digital architecture.

How can you best ensure your EMIS application is working in concert with its adjacent IT and business components?

## Consultants at the crossroads of industry, environmental management, and data architecture

Nationwide, companies in the mining, energy, and manufacturing sectors rely on Barr to optimize key facets of their environmental



reporting and regulatory compliance. Why? Our engineers, scientists, and data specialists fuse three core strengths: an immersive understanding of industrial facilities, a trove of environmental management knowledge, and a tradition of harnessing information technology for clients' benefit.

Expertise in all three spheres means you can be confident of getting solutions that not only meet essential compliance needs, but mesh with industry-specific requirements and your company's unique digital structure.

## Unbiased perspectives—and unvarnished assessments

As an independent, employee-owned engineering and environmental consulting firm, Barr isn't beholden to any brand or platform. We're well

### Services Barr offers

- System selection guidance
- Systems evaluation, integration, and implementation
- Custom scripting and programming
- Data architecture and data engineering
- Data management, analysis, and visualization
- Database administration
- Development of dashboards and interfaces
- Training
- Analytics and artificial intelligence
- On-site support
- Data quality review
- Report automation
- Digital transformation and data governance strategy

acquainted with the advantages and drawbacks of the EMIS platforms our industrial clients use—and well versed in writing scripts and developing interfaces to customize them.

Because our consultants have diverse backgrounds—from serving in environmental compliance roles at industrial facilities to developing off-the-shelf analytical and compliance tools—we offer comprehensive insights into getting the most from a given arrangement.

We'll study your needs, processes, and current systems. Then, instead of a sales pitch, we'll give you impartial recommendations that best fit your goals, budget, and timeline—whether that means tweaking a few processes, tailoring your existing EMIS to boost its usefulness, or implementing an entirely new solution.

### **High-powered compliance support**

The payoff of a well-integrated EMIS solution is maximizing compliance while minimizing effort. For your business, compliance may mean going

beyond meeting state and federal requirements to demonstrating progress on sustainability goals or fulfilling the ESG expectations of investors and consumers.

Whatever compliance looks like to you, Barr can help ensure you receive the most value from your system. Our engineers and scientists provide expertise and strategy related not only to data, but to the permits governing your operations and the regulatory programs under which they were issued. In addition, we review the quality of your data and verify the accuracy of the methodologies used to collect, process, and validate that information before it's submitted to regulatory agencies.

We can also bolster your ability to achieve, maintain, and demonstrate compliance by supplying complementary services such as ongoing maintenance, on-site assistance, and advanced-level custom support. In fact, those activities—from scripting and report automation to dashboard development and data visualization—make up the bulk of Barr's EMIS assistance to clients.