

Portland Water Bureau

How Aurigo Masterworks helped streamline capital project management, ensuring high-quality drinking water for a million citizens

CASE STUDY

The Portland Water Bureau is responsible for managing the metropolitan region's water systems, serving nearly a quarter of Oregon's residents. Focused on safety and environmental sustainability, the bureau ensures reliable service. It also values community involvement and transparency, keeping residents informed about water quality and conservation initiatives.

Customer challenges

The bureau encountered inefficiencies in managing their capital program data, relying heavily on Excel spreadsheets and paper documentation. The extensive back-and-forth during the contracting and construction stages led to tedious manual data entry and frequent errors. Fragmented and outdated information hindered decision-making due to the lack of accurate analytical insights. To address these issues, the Portland Water Bureau sought a comprehensive solution that could streamline their construction life cycle management as well as:

- Manage water utility projects, budgets, and resources efficiently
- Ensure adherence to compliance standards
- Simplify contract and change event management processes
- Monitor project health with the help of advanced analytics and reliable reports
- Improve internal and external communication as well as overall team collaboration



Portland Water Bureau is a municipal water department committed to delivering safe, clean water to its residents

Located in: **Portland, Oregon**

Delivers **an average of 100 million gallons of high-quality water** each year to around **one million people** in Portland and the surrounding areas

Manages an annual capital program budget of **\$153 million**

To do this, Portland Water Bureau needed:

- A centralized and secure platform to effectively plan, track, and manage construction projects, including budgets, schedules, contracts, and compliance processes to ensure timely and cost-effective project completion
- A solution to track resource availability and allocations across multiple construction projects to ensure proper utilization
- Reporting capabilities to serve as an early warning system by automatically alerting relevant team members of potential project risks as they arise
- Optimized and automated workflows to ensure consistent program delivery
- Real-time access to reports and dashboards providing insights into project health, facilitating informed decision-making

Aurigo Masterworks at Portland Water Bureau

Aurigo Masterworks has replaced manual methods and spreadsheets with process automation. The unified platform ensures project integrity, promotes collaboration, improves the quality of work, boosts productivity, and minimizes errors.



Improved visibility: Centralizing all data enables the bureau to swiftly access necessary information throughout the construction life cycle, facilitating comprehensive oversight and informed decision-making.



Risk mitigation through analytics: Integration with Power BI enables access to advanced analytics as well as custom reports that serve as an automatic alerting system that notifies team members about potential risks as they emerge and minimizing possible setbacks.



Streamlined communication: Internal and external teams, including consultants and contractors, can access information effortlessly from anywhere, at any time, using a unified platform, improving cross-team collaboration and coordination.

Business processes automated:

- Budget management
- Construction project management
- Contract management
- Change management
- What-if analysis
- Real-time reporting

