

INDUSTRIAL WATER BALANCE MODEL

Industrial Water Balance Model and Return of Investment Assessment

The One Water Tool for All Industries

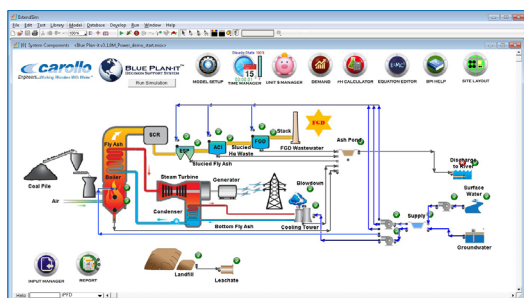
Wondering if there are more effective ways to manage your water portfolio and reuse water quality to meet your growth and financial goals? Having trouble finding the right solutions to your water infrastructure planning, design, and operation challenges driven by regulatory, sustainability, or financial goals? Do you need a business intelligence tool for your water systems, a customized dashboard to show your Return of Investment (ROI), or a specific scorecard with your own Key Performance Indicators (KPIs)?

Blue Plan-it® (BPI), our innovative, modern and dynamic decision support tool, the one water tool for all industries. It allows you to proactively assess the impacts of your planning decisions before you invest in capital projects or embark on operation improvements.

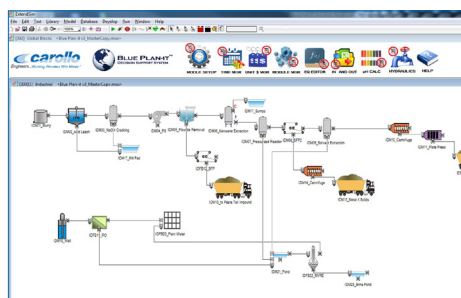
WATER
OUR FOCUS
OUR BUSINESS
OUR PASSION



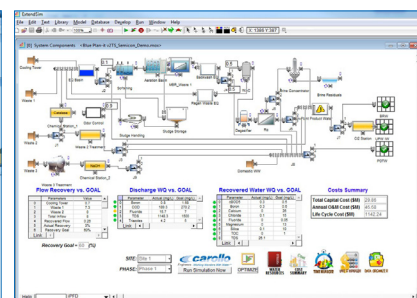
WATER
YOUR OPERATION
YOUR PROFIT
YOUR FUTURE



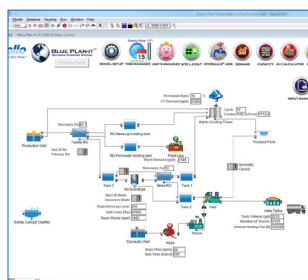
Power Plant Water Balance, Cooling Tower Operation, and FGD Treatment



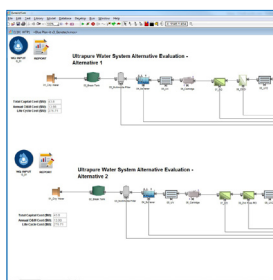
Mining Industry



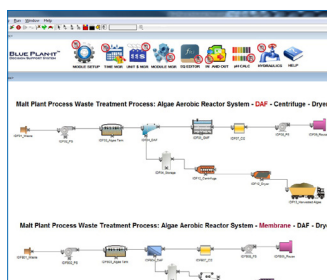
Semiconductor Fab UPW and Wastewater Treatment



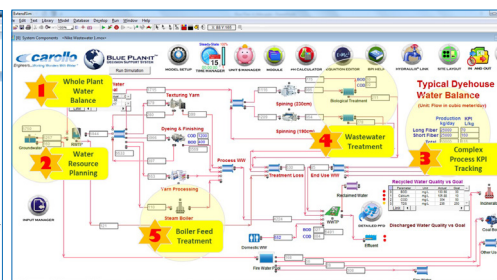
Glass Factory Water Supply and Waste



Pharmaceutical Industry



Food and Beverage Industry



Textile Industry

Benefits for Blue Plan-it® for Industrial Water Systems

- **Intelligent Water Balance:** Combining the water and mass balance calculations and graphical process flows into one platform, Blue Plan-it® tracks all water streams and water quality components. Moreover, it can be customized to track solids, heat, and energy balance.
- **Water Treatment and Quality Modeling:** The built-in flow and water quality calculations, chemical addition simulation, corrosion and stability indices, and empirical and mechanism-based process models allow users to assess the flow and water quality for the entire system.
- **Animated Warnings and Visualization:** When solubility thresholds, corrosion and stability indices, or other user-defined flow and water quality targets are exceeded, animated warnings would

be triggered to guide the users to virtually troubleshoot design and operation solutions.

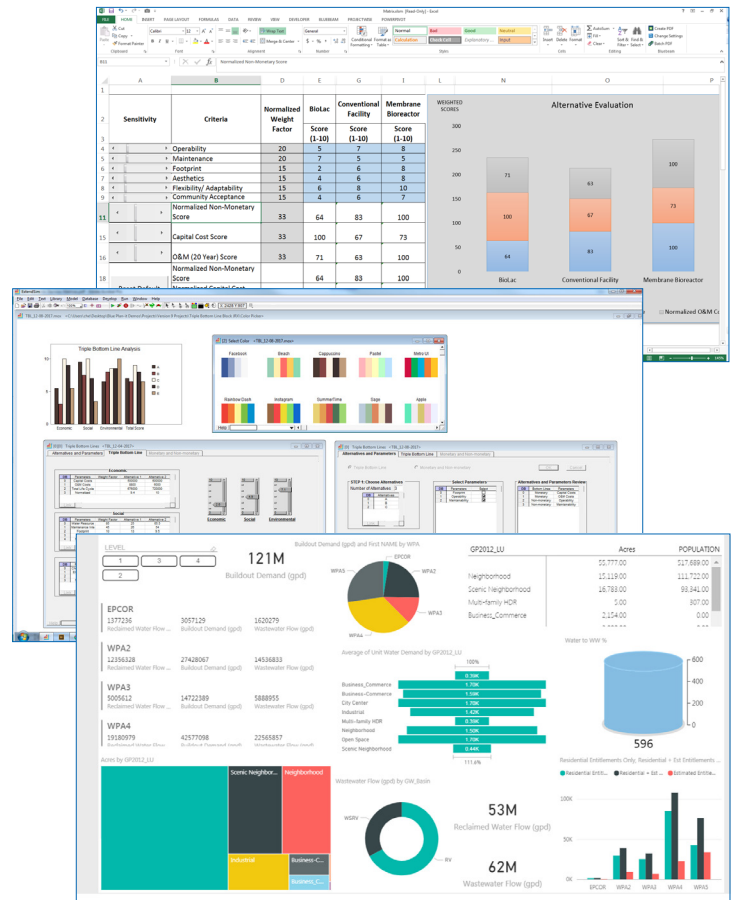
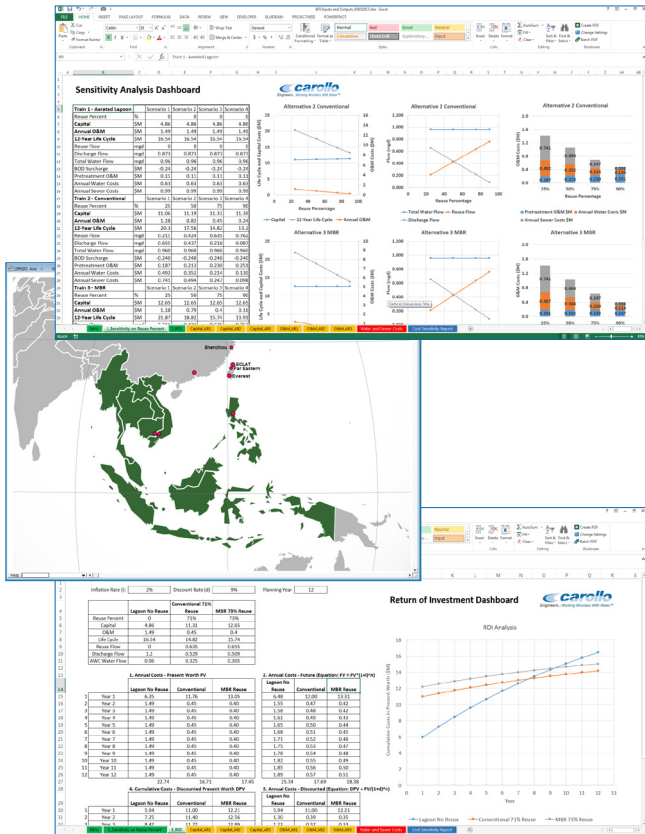
- **Data Entry and Organizer:** Blue Plan-it® and its web portal provides a friendly interface for data entry and access. Its built-in database allows the user to access and organize historical data. The modeling platform can be integrated through SCADA links for real time monitoring and modeling.
- **Alternative Evaluation:** Quick and easy alternative analyzer function allows users to compare multiple design and operation alternatives side by side.
- **Powerful Computing Techniques:** Includes features such as scenario manager, genetic algorithm optimizer, full factorial solver, and Monte Carlo simulation support dynamic decision making.

- **Customizable and Flexible:** From individual process simulation to Corp wide and world wide system optimization, Blue Plan-it® offers dashboards customized for all users. It is instrumental in helping not only engineers and operations staff to make technical decisions, but also helps business owners and managers prioritize proposed water improvement projects to meet specific key performance indicators.
- **Scorecard and ROI Dashboards:** Blue Plan-it® integrates triple bottom line, dynamic decision matrices and business intelligence tools to provide the best visualization of evaluation results, allowing business owners and managers to target their facility and operation improvements with the best Return of Investment (ROI).



BLUE PLAN-IT®
DECISION SUPPORT SYSTEM

BLUE PLAN-IT®
WEB APP



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