

# Future-proofing today's data system

From water storage and flood protection to power generation, dams and reservoirs are critical assets for regional, state and national water management.

With scarcer resources and quality of life at stake, a fully integrated data management system provides utility staff and partners a comprehensive understanding of all water information needed to support collaboration, operations and policies.

Channel the power of water data as this solution converges multidisciplinary datasets from hydrometeorology, dam safety, operations and even water sampling events and fish counts regardless of data formats and time scales.

**Hydrometric Data Management**  
Water Information System by KISTERS (WISKI) automates the data workflow to increase access, analysis, usability and value from integration with forecasting efforts.

Data quality monitoring and custom alerts ensure efficient QA / QC, regulatory compliance and continual improvements.

Extensive visualization options and analytical tools ease analysis and reporting from a long-term, secure platform.

## Dam Safety WebViewer

WISKI functions also apply to an array of data from piezometers, inclinometers and boat survey transects. Automate structural monitoring calculations that assess dam safety and alert staff to risks.

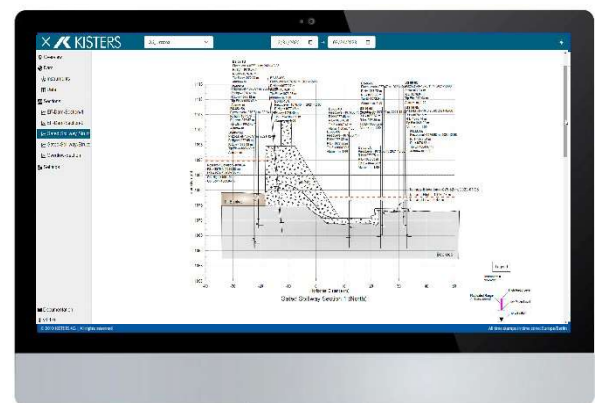
Web visualization enhances the maintenance and monitoring of flood and seismic hazards as users can overlay real-time measurements, cross-sectional plots, field data, and even offline data sources.

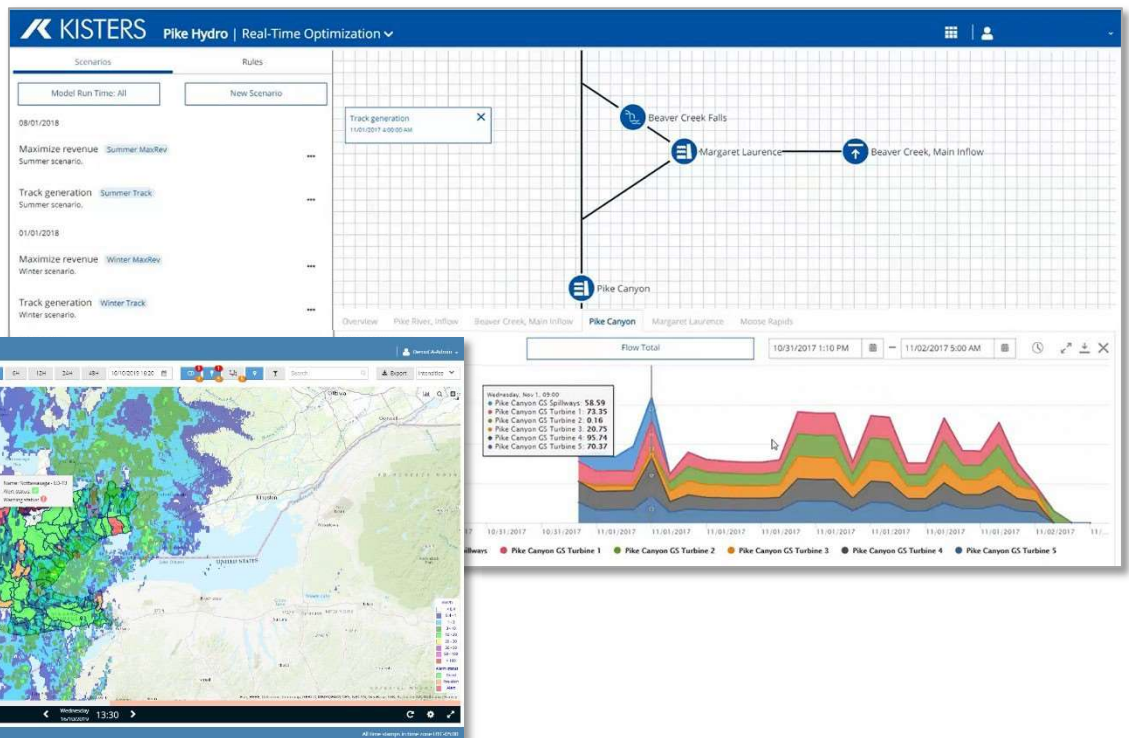
## Benefits

Ability to use historical & real-time continuous monitoring data from hydromet, pumping, and control networks as well as others.

Increased confidence levels of data used to make assessments, decisions and plans.

Secure data & metadata for long-term access and usage as the system scales with your needs.





One system.  
Different modules  
that mix and match  
to meet your needs.

### More features at a glance

**Environmental Forecasting Suite**  
High resolution, extremely precise environmental forecasts and observations are delivered within a web browser further inform operations and maintenance teams prior to storms.

### Real-Time Optimization

The intuitive web platform empowers hydro operators to define challenges, prioritize objectives, and generate the best possible schedules that optimize water use and power generation.

Use the same high-quality data for post-event analysis.

Radar animation, 3-15 day forecasts, and easily configured alarms provide lead time ahead of drawdowns.

The patent-pending RTO modeling service provides feasible short, middle and long-range schedules in order to most efficiently use constrained water and energy resources.

Working groups and individual users can customize dashboards with the most relevant data and most efficient displays.



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