

Dam Safety



ASK ABOUT: DAM EARLY WARNING SYSTEMS

Redundant and real-time monitoring systems help increase lead times by detecting and warning of hazardous conditions at a dam.







Reducing Risk with Dam Safety Monitoring and Reporting

Safe, cost-effective dam operations require reliable, timely environmental and dam status information. Integrating instrumentation and telemetry with data collection and dissemination software can bring real cost savings to dam operators. Visualization of current conditions, operational feedback, customized alarms, automated notifications, and 24/7 access from any mobile device help to bring peace of mind to dam owners and stakeholders.

OVERVIEW

At AEM, we take a holistic approach to minimizing flood risk and protecting communities. Our flexible solutions deliver smart systems, tools, and services that touch every stage of the complete flooding cycle. We understand every situation is unique and can design and deliver the best solution to meet your specific needs.

BENEFITS

-  Reduce risk to downstream communities by recording and acting on all hazards that can impact a dam.
-  Ensure that communities and key stakeholders are notified every time with redundant and reliable warning systems.
-  Minimize operational risk with automated recommendations based on environmental conditions and digitized SOPs.
-  Save time and money with automated environmental reporting and inspection-triggering hazard alerts.

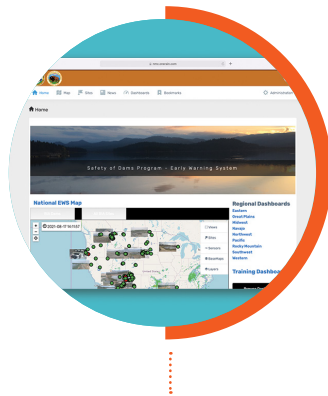
Complete turn-key solutions for any dam

With hundreds of monitoring systems and early warning systems throughout North America, AEM has pioneered dam safety monitoring best practices for over 20 years. These tools help to save lives and reduce the risk from dams around the world.



Dam Hazard Safety Systems

Real-time and automated environmental and geologic monitoring and alarming to track all hazards at a dam.



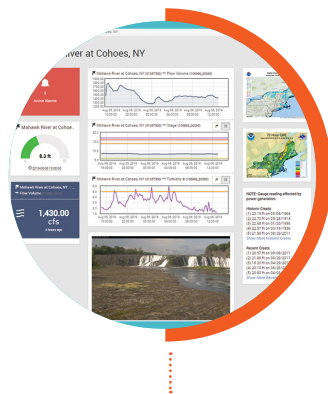
Dam Early Warning Systems

Real-time and redundant early warning systems to detect and warn of impacts from a dam to stakeholders and the public.



Dam Operations Support

Provide discharge and dam guidance based on current conditions and digitized standard operating procedures.

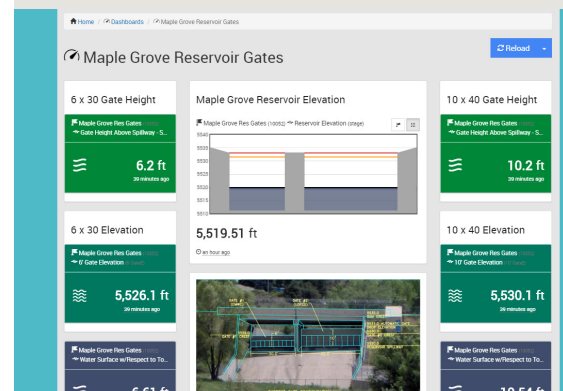


Dam Reporting and Services

Easily access automated, real-time data collection, reporting, visualization, and alerting tools for dam operations in one platform.

Features:

- Quickly evaluate all hazards at a single dam or an entire inventory of dams
- Visualize and alarm on conditions to make effective decisions and increase lead times for those impacted by the dam
- Designed redundancy allows for high reliability with multiple ways to notify local emergency officials and the public
- Reduce paperwork, training time, and mistakes during an event with automatic recommendations of gate operation procedures
- Make the right and defensible decision during hectic events
- Reduce travel time by automatically recording water level and seismic information



ASK ABOUT CONTRAIL GATEOPS™

Discharge and operating recommendations based on real-time dam and environmental conditions.

To find out more about all of our technologies, visit aem.eco or contact us at info@aem.eco