



## Serving the Hydropower Industry for Over 40 Years

40 + Years  
Experience in Hydro

World Class  
Engineering

Union  
Field Services

Bonding  
Capabilities

Financial  
Strength

Outstanding  
Safety Record

Site Specific  
Runner Design

Hydro Plant  
Upgrades to  
*Increase Annual  
Energy Production*

A Harris Energy Group Company

### KISER HYDRO

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kiserhydro.com

### Customer Service

Kiser Hydro has a 40-plus year history of providing all types of mechanical services to the hydroelectric industry.

Kiser Hydro has sold field services to nearly all of the major utilities owning or operating hydroelectric stations, with 80% of our business coming from repeat customers.

Kiser Hydro is a quality and growth oriented mechanical service providing company that has an excellent reputation in the hydroelectric industry.

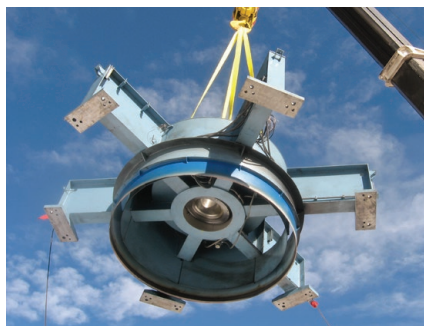


In an emergency situation, Kiser Hydro's decision making management can be dispatched to your site within hours of a call. Field service personnel can be dispatched to a site within one day.

Kiser Hydro has considerable experience in emergency and short notice repairs, and can offer options and solutions on-the-fly with manufacturing/shop and engineering support.

### Engineering Services

Kiser Hydro maintains a full service engineering department. This gives Kiser Hydro the ability to look at the entire facility and provide well thought out plans for repair and rehabilitations, taking into account efficiencies such as decreasing maintenance and/or increasing performance in the process. This department also provides preliminary and in-depth site specific studies which will be incorporated into the engineering of the turbine components.



### Field Services

Kiser Hydro is able to dispatch dedicated field service teams, each equipped with necessary standard tools for hydroelectric work, as quickly as needed. Kiser Hydro's field service team uses cranes, including RT, mobile equipment and trucking capabilities to complete the job.

Kiser Hydro's field service capabilities include: turbine removal, repair and re-installation on units ranging from 50 KW to 350 MW, as well as pumped storage turbine generators. Kiser Hydro offers additional field services with professional diving teams, in place machining, structural repair, certified welding and precision alignment.

Kiser Hydro's field service teams are adept at handling emergency repairs and can be dispatched on very short notice when necessary. Our dedicated field service teams offer decades of experience in all types of hydroelectric maintenance and repair.

### Shop & Manufacturing Services

Kiser Hydro offers full service turbine repair for all types of turbines through its shop and manufacturing services. We have the ability to manufacture, rebuild or repair all hydroelectric components.

Kiser Hydro's manufacturing facility houses a wide range of machining, welding, blasting/painting and assembly equipment, all tailored specifically to the hydro industry. The shop services also include generator rebuilding, shaft repair, non-destructive testing of components, precise measuring and is able to conform to industry manufacturing standards.

### At Kiser Hydro We Can Design, Build and Manufacture

- Turbines of all types
- CFD (Computational Fluid Dynamics) computer generated flow modeling services to increase performance, decrease cavitation and maintenance
- Re-engineering components (runners, wicket gates, draft tubes, etc.) for increased efficiency and reduced cavitation
- Wicket gate control systems of all types
- Re-designed turbine arrangements for less maintenance and greater efficiency using CFD Analysis
- Gate casings and all their included components
- Hydraulic studies
- Dry pit/dry bearing systems
- Draft tubes
- Shafting
- Bearings
- Bearing pedestals
- Brakes
- Vacuum breakers
- Penstocks
- Penstock expansion joints
- Re-engineering gates
- Tainter gate hoists
- Crest gates
- Sluice gates
- Trash racks (galvanized and other)
- Trash rack cleaners (new and rehabilitated)
- Stop gates, stop logs
- Cofferdams
- Structural steel
- Gantry gates
- Log booms
- Walkways and handrails
- and much more!