



ANF Energy

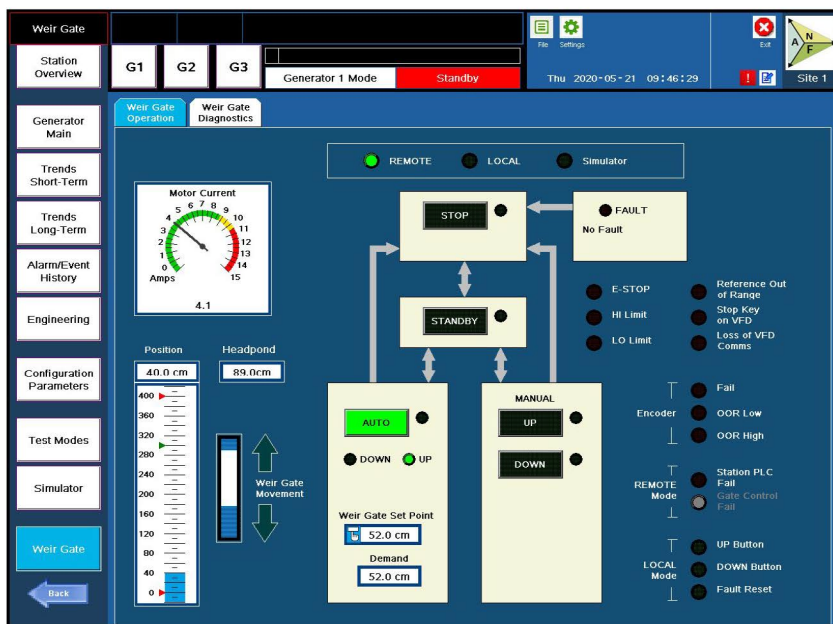
WGC-1 Weir Gate Control System

The WGC-1 Weir Gate Control Systems allows local or remote operation of a motorized weir gate at a hydro generating facility.



Features

- Station or remote operation of the Weir Gate using a PC-based Human-Machine Interface (HMI).
- Can raise and lower on command, or regulate to a selected level.
- Option for gate local control.
- Built-in fault detection with email alerts.
- HMI offers real-time display and control, event logging, data logging and graphing.
- Remote access facilitates unmanned site operation.
- Software and hardware limits for added safety.
- HMI can be installed on a Windows PC.
- Control software hosted on an industry proven rugged PLC.
- Uses cUL/CSA approved off-the-shelf components
- Contains an embedded gate simulator allowing operator training and 'what if' studies.



The main components of the WGC-1 Weir Gate Control System are:

- Station PLC hosting the Weir Gate Control Software.
- Human-Machine Interface (HMI) hosted on the Station PC.
- Shaft position encoder providing analog measurement of weir gate position.
- Position limit switches for additional safety.
- Local controls at the weir gate.
- Variable Speed Drive acting on the Weir Gate Motor.

The Station PLC and HMI communicate via the Site Local Area Network (LAN). Remote access and e-mail alerts are facilitated through internet access.

