

Innavik Hydroelectric Project

Operating the Run-of-River Hydroelectric Facility

January 2020



INNERGEX

Renewable Energy.
Sustainable Development.



Inside a Hydroelectric Facility



While in operation, Hydroelectric power plants requires limited human intervention

But local operators are always needed





Automated Control Systems

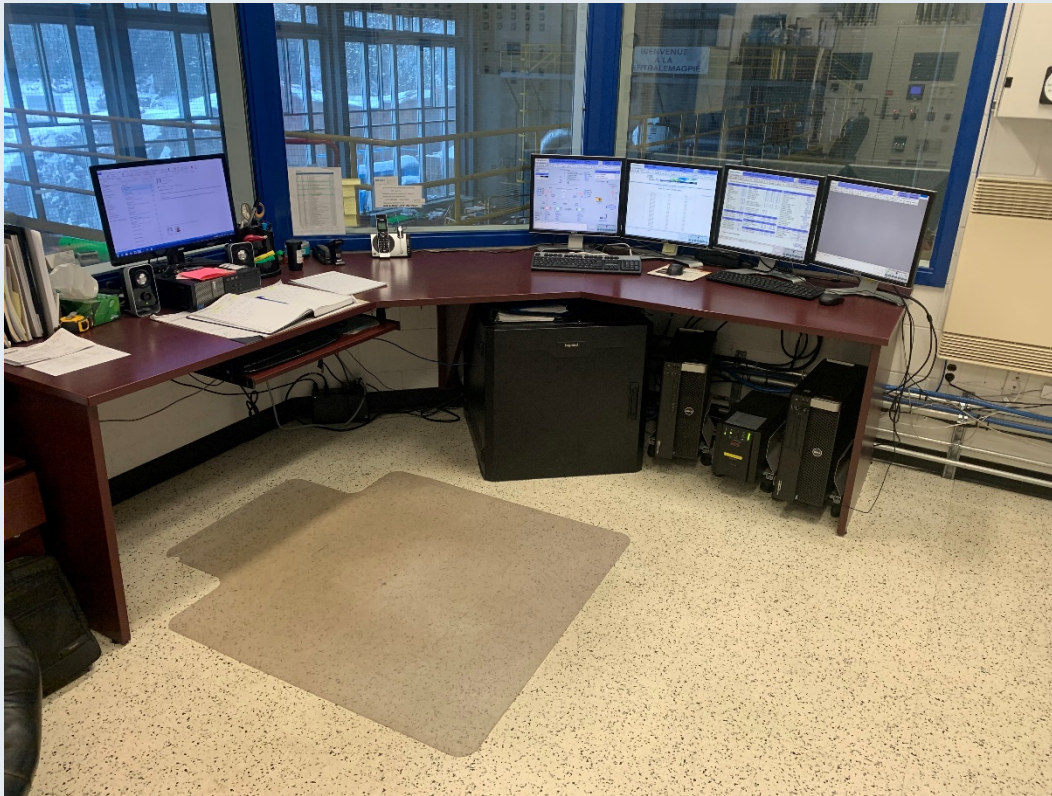


- Fully automated
- Power production adapts 24/7 to demand
- Automatic shutdown of unit(s) in case of abnormal situation





Control Room

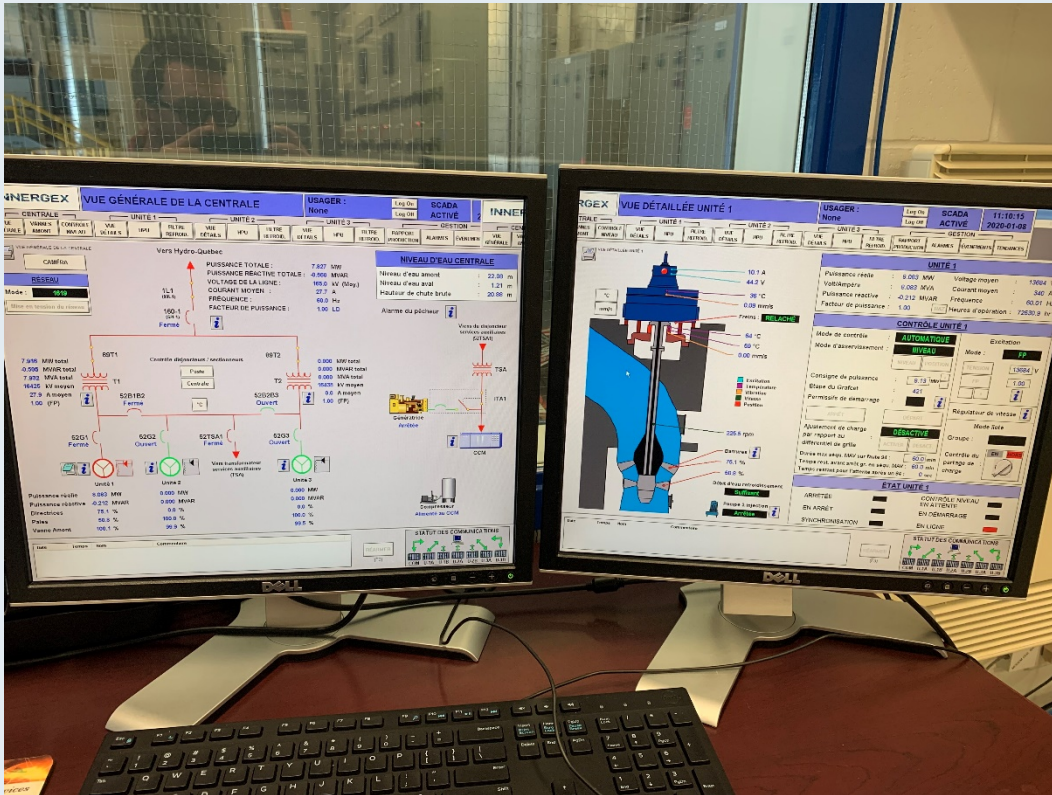


- Computer screens provide all information to Operators
- Enables them to manage the facility





Information for safe operation

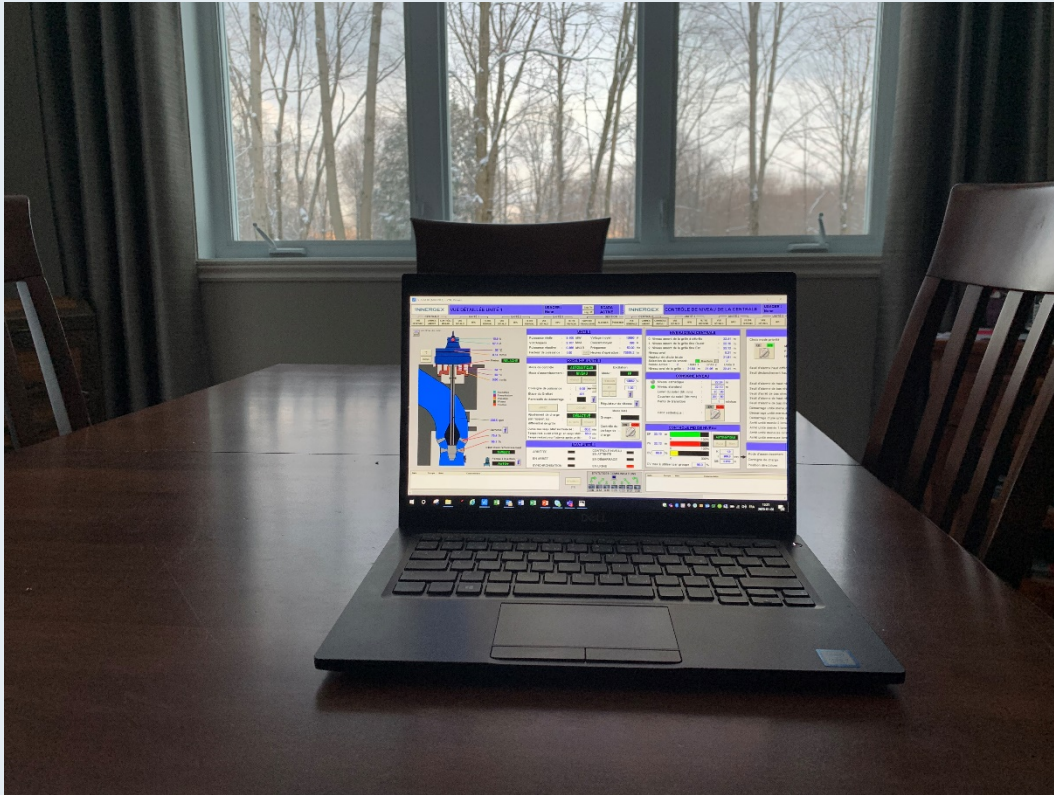


- Live information, including alarms, enable the operator to make decisions
- Plant can be controlled entirely by the computers to react quickly





Remote control for quick response

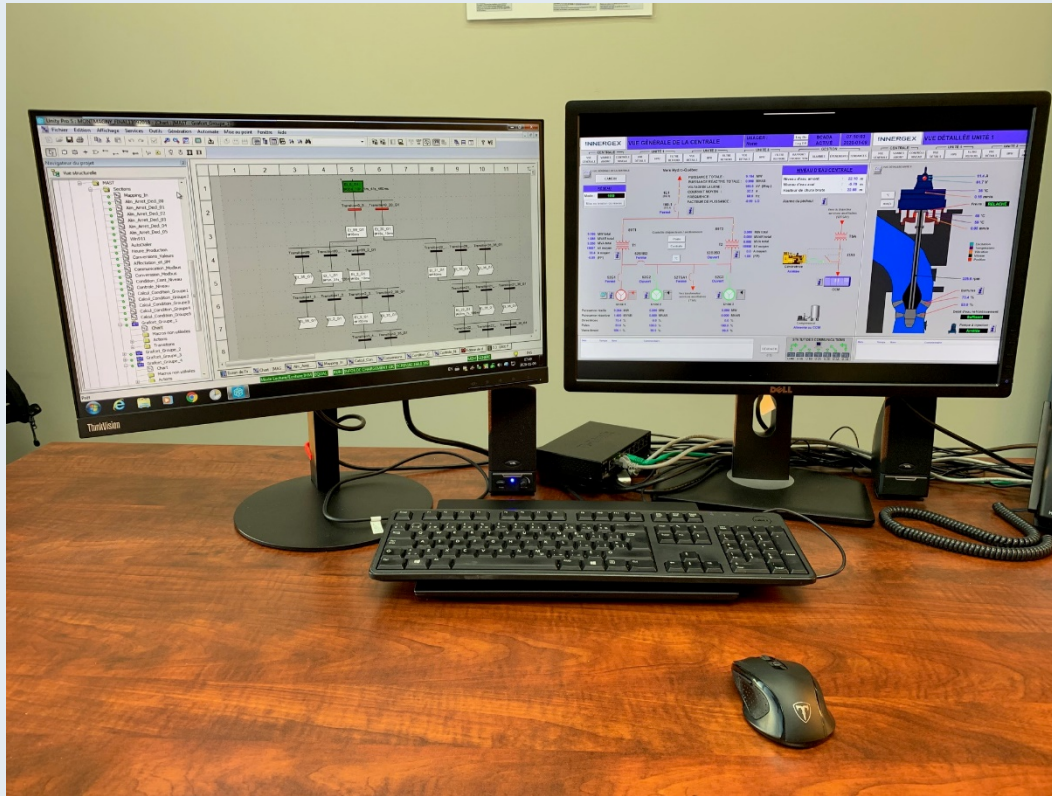


- Operator can also control the plant from home via a laptop
- Enables quick response without driving to the facility





Team work and backup



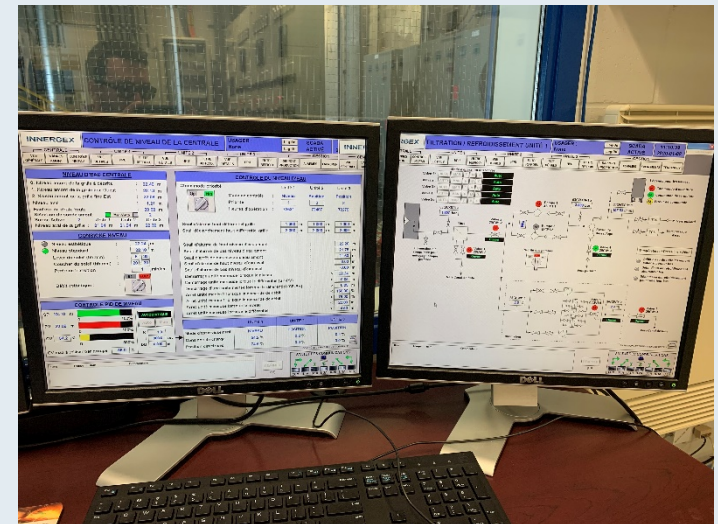
- System is linked to the headquarters where the team can support the Innavig operators
- Provides backup and expertise for the local operators





Staff requirements

- 1 Supervisor, 1 Operator, 1 Backup Operator
- Supervisor and operator on duty 5 days a week
- Skills :
 - Knowledge in industrial mechanics;
 - Knowledge of electricity basics;
 - Familiar with use of computer;
 - Familiar with Heavy Equipment;
 - Available 24/24 when on duty;





Priority to hire within the community

- Preference for people with all the skills
- Or a team of complementary colleagues, one with mechanical skills, the other with electrical skills
- Training will be provided for onboarding of those with basic skills

Make a difference in your community. Consider putting your talent at work for a stable, qualified job!





NAKURMIK!



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