

GENERATING STATION BIOMASS CONVERSION



PROJECT SUMMARY

Name	GS Biomass Conversion
Location	Atikokan, Ontario
Client	Ontario Power Generation
Type	Engineering

PROJECT DESCRIPTION

Nordmin Group of Companies worked closely with Ontario Power Generation over the four-year duration of the Atikokan generating station biomass conversion, utilizing a collaborative team approach towards project completion. The generating station was originally designed to burn lignite coal, and as of September 2012 underwent a \$170-million conversion to wood pellet biomass. It is now North America's largest 100 percent biomass-fueled power plant generating renewable, dispatchable, peak capacity power.

Nordmin Engineering completed the distributed control system (DCS) design and configuration, including control room modernization, communication networking and turbine controls integration. Additionally, Nordmin Engineering was the controls integration contractor responsible for ensuring the collaborative effort, and success, of the material handling contractor and the fuel and combustion systems contractor in the integration of their equipment into the overall plant control system.

To complete the demolition and field installation designs for vendor supplied equipment, Nordmin provided the on-site full-time project manager and on-site five-person design team for the four-year duration of the project.

