

James Leffel & Co serves Redwood Falls community



The James Leffel & Co has used Alab for hydraulic design of a new hydro turbine replacing an outdated turbine in the Redwood River in the American state of Minnesota and has significantly enhanced the power generating ability.

ALAB AS distributes the “Hydro Power Workbench” to companies of all sizes all around the world. In the city of Redwood Falls an ALAB designed turbine has been used when replacing a hydroelectric unit in a plant that was dammed and built by August C. Burmeister in 1902, as a part of his mission to generate the first substantial amount of power in Redwood Falls, which provided light for the city.

The new solution

Continuing in the spirit of Burmeister the old plant has now been installed with a new hydroelectric generator and turbine. The plant is working superbly with the update and will save the city high maintenance costs. It is now taking greater advantage of the force of the bold river, and has prompted higher powering potential from 90 to 250 houses, raising the energy output from 350 kW to 500 kW.

Turbine Design

"Alab is our tool for all turbine design tasks. We have used it for several years, and are very satisfied. Delivered turbines are manufactured after Alab specifications. And we are pleased to say that all actual measured values confirm Alab's calculated characteristics"

- Anders Dyngé, General Manager.

The James Leffel & Co. is known for producing great quality and trustworthy hydropower equipment and they have a strong reputation in the industry.