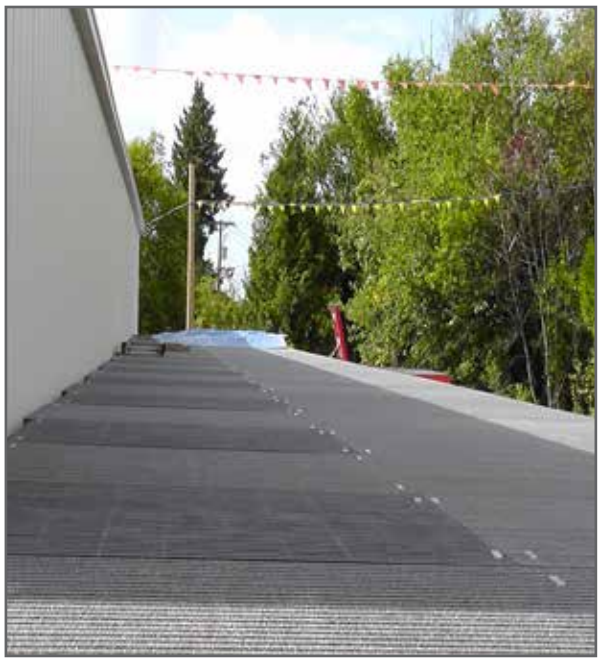
CASE STUDY
Utilities & Power

Fibergrate Composite Structures
Building the World to Last®

Project Specs

Location: British Columbia
Application: BC Hydro Capacity Upgrade

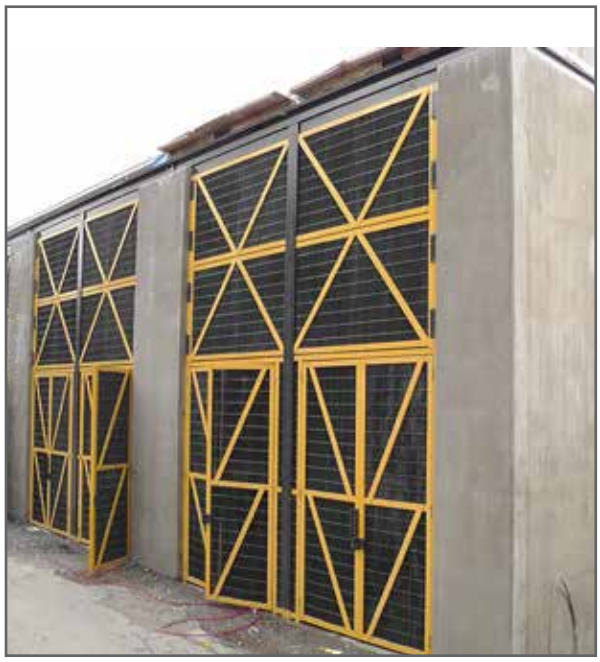


Overview

BC Hydro and BC Transmission Corporation combined as of July 5, 2010 to provide a single entity that plans and delivers the clean energy required to meet British Columbia's growing demand for electricity while fostering job creation throughout the province and reducing greenhouse gas emissions. BC Hydro operates 30 hydroelectric facilities and three natural gas-fueled thermal power plants. About 80% of the province's electricity is produced by major hydroelectric generating stations on the Columbia and Peace Rivers.

Problem

BC Hydro was encountering problems within their reactor bay areas. High current in the reactors was creating a health and safety concern due to induction of adjacent steel structures.



Solution

Fibergrate was able to provide the client with products that were:

- Non-Corrosive
- Non-Conductive
- Lightweight

Fibergrate manufactured doors, fences, beams, columns and roofs for the reactor bays. FRP is non-conductive, immediately eliminating BC Hydro's induction issues. FRP is non-corrosive and never needs to be painted, offering a maintenance free installation. A lightweight solution, only a third of the weight of steel helped to make the installation quicker and easier. BC Hydro has been extremely happy with the finished product and is looking to use Fibergrate materials in more of their facilities in the future.

Phone: 800-527-4043 | Fax: 972-250-1530 | www.fibergrate.com