

Fibergrate
Composite Structures

Power



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 Peave rivers.

Problem

BC Hydro was encountering problems with their reactor bay areas. They needed to reduce the amount of conductivity that was present within these areas as it was causing induction problems. In order to do this they were needing to remove as much metal and steel from the reactor bays as possible.

Solution

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

- Non-Corrosive
- Non-Conductive
- Lightweight

Fibergrate was able to create doors, fences, beams and roof from FRP. FRP is a product that is non-conductive which was able to reduce the amount of steel in the facility, which was the client's major concern. It is non-corrosive which was a bonus for maintaining its characteristics in the wet climate that British Columbia commonly experiences. FRP is also lightweight which made it easy to install on the roof. The client has been very happy with the results and are looking to change more of their facilities to include Fibergrate materials in the future.

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