



# Kitimat Canada



## Case History

PROJECT:  
LOCATION:  
THE COLT SOLUTION:  
COLT PRODUCTS USED:

Kitimat Pallet Storage  
Canada  
Gravity ventilation  
Colt Labyrinth and Colt VO ventilator



World wide, Rio Tinto Alcan delivers the industry's most comprehensive smelting AP technology and engineering with a century of aluminium production.

### KITIMAT SMELTER EXPANSION

The Kitimat Modernization Project Team will use the newest most modern AP pre-bake technology, originally developed by Pechiney (AP) and acquired by Alcan Inc. in 2004, and more recently by Rio Tinto Plc. for the modernization of Kitimat Works. High energy efficiency, computer control, low emissions, efficient dry scrubbing (cleaning) systems, and high levels of material recovery are features of this technology.



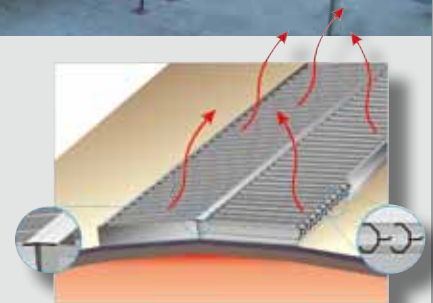
As part of the expansion project, a new pallet storage building has been erected. For this building Bechtel has

been appointed as EPC contractor and based on the requirements, Colt has been awarded for the design, engineering, supply and assembly of static roof ventilators and air intake louvers.

Its worldwide network, experience and ability to perform in every climate in the world make Colt International a trustworthy and capable partner in gravity ventilation.

### LOCAL ASSEMBLY

Colt has delivered the roof ventilators in break down form and with a local assembly crew, modules have been assembled ready for lifting to the roof to success-fully install the static roof ventilator. The Colt VO ventilators for air inlet are delivered fully assembled.



### EXTREME CONDITIONS

Due to the location of the project, we have to face extreme conditions specially with regards to snow. The static roof ventilator is designed to withstand a minimum snow load of 5.5 kPa/m2 and furthermore the design has been approved by the Canadian authorities.



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