



ALCOA Fjarðaal Smelter  
Reydarfjordur, Iceland



View from hillside

## ALCOA Fjarðaal Smelter

Reydarfjordur, East Iceland • Current

Consulting services to assist ALCOA with the creation of the world's most "environmentally-friendly" aluminum smelter. Services included writing the architectural RFP, conducting workshops, chairing the selection jury, developing an evolving list of sustainable design strategies and conducting peer reviews.



Smelter under construction



Government of Canada Building  
Charlottetown, PEI

## Jean Canfield Government of Canada Building

Charlottetown, PEI, Canada • 2003

Consulting services to assist Public Works & Government Services with the incorporation of high performance workplace concepts in their new 110,000 sf facility on Prince Edward Island. Services included advising on the architectural RFP, participating on the selection jury and providing peer reviews at the schematic and design development phases.

### Highlights:

Water consumption reductions of approx. 80%. Annual energy consumption cost reduction modeled at over 60%. The project is targeting LEED Gold Certification. Building elements include radiant heated/ chilled concrete slab for conditioning, Energy Recovery Ventilator to assist heating/cooling supply air, and 130 KW photo voltaic array to offset energy consumption of building.



Shading devices on southern glazing to reduce unwanted radiation and glare



Aerial view