Bromont sustainable tourism center

Expected project CAPEX: 7'200'000 €

Mandating Authority: Bromont Municipality

Summary
The project will enable the transformation of the lighting of the ski slopes and other infrastructure of the recreational tourism center with LED lamps for a significant reduction in power consumption. Transforming damage equipment gasoline to compressed air and significantly reducing CO2 emissions. Offer to businesses and the municipality of Bromont transformation of internal combustion engines of their vehicle fleets and their Construction machinery to compressed air engines.

Location and population
City of Bromont, Canada
8'438 inh.

Social and environmental impact
Reduction in GHGs; lower energy consumption from lighting; job creation

Main stakeholders
City of Bromont, CLD, MRC, WREG, NeO

Innovation
**STAGE 1: Concept Development, Site identification**

**Target population**
Citizens and tourists

**Surfaces**
The whole city

**Climate**
Mountain

**STAGE 2: Pre-Feasibility Studies**

**Pre-feasibility study:** Yes

**STAGE 3: Feasibility Studies**

**Feasibility study:** Yes

**STAGE 4: Permitting / Financing / Contracts**

**Land concession signed:**
Under negotiation

**Environmental impact study:**
In progress

**Identified sources of fundings**
Tbd

**STAGE 5: Engineering / Construction / Commercial Operation**

**Engineering, Procurement and Construction Contractor:**
WREG / SYNECOM for the waste component / Airpower

**Operation and Maintenance Contractor:**
Tbd

**Comments**

<table>
<thead>
<tr>
<th>Solutions intégrées</th>
<th>CAPEX</th>
<th>Description</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installing a compressed air storage system</td>
<td></td>
<td>The system will help store energy for any source</td>
<td></td>
</tr>
<tr>
<td>Turning waste into energy</td>
<td></td>
<td>The technology selected is pyrolysis, allowing small footprint impact, no pollution emission (no dioxine production in the process) and high energy recovery.</td>
<td></td>
</tr>
<tr>
<td>Transforming damage equipment</td>
<td></td>
<td>The new equipment will directly use compressed air</td>
<td></td>
</tr>
<tr>
<td>Change Bromont's businesses combustion engines</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED retrofit</td>
<td></td>
<td></td>
<td>Bromont is the largest lit center of eastern North America</td>
</tr>
</tbody>
</table>