Available in a lightweight, vortex-stabilized, compact configuration, the APT-HP plasma torch distinguishes itself from other torches by its capacity to reach high power levels (up to 1 MW).

The APT-HP torch is an excellent, environmentally-friendly tool for the transformation of materials to value-added products in mining and metallurgy, waste treatment, and oil and gas.

**PyroGenesis APT-HP Plasma Torch Advantages**

<table>
<thead>
<tr>
<th>REDUCE GHG EMISSIONS</th>
<th>REDUCE OPERATING COSTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>By about 250 tonnes CO₂e per GW-h*</td>
<td>By 5-30%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EASY TO OPERATE</th>
<th>LOW MAINTENANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic start-up, operation, shutdown &amp; restart</td>
<td>Completed in a few minutes to minimize downtime</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SAFE</th>
<th>RELIABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimal personnel Intervention</td>
<td>Multiple orders from long term clients (ex. US Navy)</td>
</tr>
</tbody>
</table>

* or 70 kg CO₂e per MMBTU when hydro power is available

**Main Applications**

- MSW Gasification
- Incinerator Ash Vitrification
- Asbestos Vitrification
- Radioactive Waste Disposal
- Iron Ore Pelletization
- Steel Tundish Heating
- Metallic Dust Recovery

**FEATURES**

**Vortex Stabilized**
- No magnetic field needed
- Compact design

**Electrode Life**
- Cathode: 1000 hours
- Nozzle: 500 hours
- Anode: 500 hours

**Plasma Forming Gas**
- Air
- Nitrogen
- Others available

**Power Range**
- 200 kW to 1 MW
- 5:1 turndown ratio

**Safety & Operability Features**
- Electrically isolated torch cover
- Lightweight
- Automated controls

For more information, please contact:

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F. +1 (514) 937-5757
PyroGenesis Canada Inc. is a world-renowned high-tech company specializing in high-temperature processing of materials and waste and counts the US Navy and the US Air Force amongst its extensive client base.

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