

## MPM Technologies, Inc. Data sheet for Request for Proposal For a Skygas System

(Note: Accurate and complete information will allow us to better prepare the proposal for you)

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**Site Conditions:**

- Plant Location .....
- Plant Altitude .....
- Design Wind Load .....
- Seismic Zone .....

**Waste Properties:**

- Type of Waste .....
- Plant Capacity (ton per day) .....
- Moisture Content of the Waste .....
- Heating Value of the Waste .....
- Ash or Inorganic Matter Content (%) .....
- Special Characteristics of the Waste  
( ) Explosive ( ) Sticky ( ) Others (please describe)
- Waste Composition – Attach waste composition if available
- Outlet Emission Requirements (for the exhausting gas from the plant)
  - a) Particulates .....
  - b) Sulfur Dioxide (SO<sub>2</sub>) .....
  - c) Hydrogen Chloride (HCl) .....
  - d) Carbon Monoxide (CO) .....
  - e) Nitrogen Oxides (NO<sub>x</sub>) .....

**Plant Condition:**

- ( ) New plant to be constructed or ( ) Replacement of the combustion unit with Skygas system.

If later is the case, what existing equipment are to be reused? .....

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- Power Supply to Skygas Reactor:
  - ( ) from local sub-grid
  - ( ) Supplied by power generating unit in the Skygas plant  
*(Note: The latter is preferred, but the cost will be higher)*

- Use of syngas produced by the Skygas system:
  - ( ) for power generation
  - ( ) to be flared
  - ( ) for use in the existing combustor
  - ( ) for extraction of Hydrogen
  - ( ) for extraction of Carbon Monoxide
  - ( ) others (please describe)

- Feed system to be:
  - ( ) batch operation
  - ( ) continuous feed

- Waste water to be:
  - ( ) piped to water treatment plant
  - ( ) treated in the plant.

- Preference in power generation system (if required):
  - ( ) gas turbine generator
  - ( ) boiler with steam turbine generator.

- Requirements of syngas property (if any)
  - ( ) Heating value
  - ( ) Particulate content
  - ( ) Moisture content
  - ( ) Temperature
  - ( ) Others (please describe)

**MPM Scope of Supply:**

• **Total Plant by MPM**

- Turnkey project including Skygas system and the balance of plant
- Total equipment supply of the Skygas system and the balance of plant (no installation)

Note: If any one of the above two items is checked off do not answer the items below.

• **Partial Plant Supply by MPM**

- Skygas reactor with associated power supply/control, air pollution control equipment and technical service.
- Power generation equipment
- Compressor and gas storage tank
- Water treatment equipment
- Fan & Motor
- Pumps & Motors
- Ductwork                       Ductwork design only (no material)
- Structural supports                       Structural Supports design only (no mat'l)
- Exhaust stack: Height over Ground..... Test Platform.....
- Exhaust stack design only (no material supply)
- Instrumentation & Controls
- Control Panel .....
- Erection / Installation
- Operation of the plant (please specify details)

Other Information regarding scope of supply: .....

.....  
Type of Proposal Needed:  Budget  Firm

Proposal due date: .....

(Note: Please allow a minimum of two weeks for a budget proposal and four weeks for a firm proposal.)

**Return Completed Form to: Petro-Mont Technical Services Inc.**

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QC, Canada  
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Fax : 514-352-2628  
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**or to:**

**MPM Technologies, Inc.  
199 Pomeroy Road  
Parsippany, NJ 07054  
Attention: Frank E Hsu  
Tel.: 973-599-4418  
Fax: 973-428-6048  
e-mail: feh@mpmtech.com**

**Submitted by:** Company.....

Address.....

Name..... Phone: .....

Fax: .....

e-mail: .....

**Send Proposal to:**.....

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**Attention of**.....

**Special Instruction:** .....