

## Initial Questionnaire for Biomass Gasification Power-Plants

Your Company
Name of your company:
Contact person/role(i.e. CEO, Director, Manager):
Street, number:
Postal code, City:
Country:
E-Mail:
Phone number: +
Fax number: +
Site Place
Address & location of the power plant:
Address & location of the power plant:  City:
City:
City: Nearest port, roads, trains, launch, (inland transportation fee):



Your project objectives
We desire to produce electrical energy YES No
If yes:
The electrical energy will be — consumed by us — fed into the grid
How many kW shall the new power-station produce?kWel
In case of self-consumption:
How many operating hours per year do you require?hrs
In case of feed-in:
The grid operator's feed-in point ismeters away.
Your main grid voltage: Volt, Hz:
how much you will get per 1 kwh t:USD/KWh
Do you need switch-gear or synchronization units: YESor No
Do you need a power transformer: YESor No
We desire to produce thermal energy YESNo
If yes:
We requirekWth at $^{\circ}$ C $^{\circ}$ temperature
kWth at $^{\circ}$ C $^{\circ}$ temperature.
The thermal energy will be □ consumed by us □ fed into a grid/sold.
A local distribution grid is available: YES No
How many operating hours per year do you require?hrs



## **Current Situation**

Source of your current electricity power?, is it of the mains grid?, by diesel
generators? or CNG/LNG generators?
if it is of mains grid, what is the price per one 1 KWh:USD/KWh
if it is of generators, what is the price per one 1 KWh:USD/KWh
What is your power peak load demand:KW orKVA
There is already electricity production at the site now YES No
If yes:
The electrical energy is □ being self-consumed □ fed into the grid
What is the electrical output of your current system?kWel
How many operating hours per year do you achieve?hrs
Do you already operate a gas-engine/genset? YES No
The upper limit of the grid operator's feed-in point iskWel
There is already thermal energy generation at the site now YES No
If yes:
Energy production iskW at $^{\circ}$ C per hour
kW at $^{\circ}$ per hour.
How many operating hours per year do you achieve?hrs
The thermal energy is □ used by us □ fed into a grid/sold
The current feedstock is



Biomass/Feedstock
Which amounts of biomass supply have you already secured(per year)? □ none
Type(i.e. type of wood and size) tons/year Humidity u Water content w
%%
%%
%%
The above mentioned gasification feedstock is
□ a by-product/residual waste from our own production
□ delivered by suppliers, at an average price of(currency)per ton
Price and amount of supply are fixed foryears.
Structural Situation
Structural Situation
The planned production site is in the following type of area:
□ Industrial Zone □ Housing Zone □ Recreational Zone/Nature Reserve
An existing □ New building □ Old building □ Listed building
with $m^2$ and a floor load of metric tons/ $m^2$ is marked to house the
plant.
Present connections:   Electricity capacity/throughput
☐ Waste water capacity/throughput
☐ Fresh water capacity/throughput



At the site there is $\Box$ an open $\Box$ a covered storage area for biomass/wood.
The storage capacity stands atm³ orkg.
The storage area does feature a system to dry the biomass: YES No
The access roads to the site(premises and access roads including any diversions)
can be used by trucks with a total maximum weight ofmetric tons.
Is there a river or lake next to your designed site: YES or No
Any residential houses near the proposed site: YESor No
Any sensitive building or items near site: YESor No
Can you provide us a site layout plan for reference designs?
Planned Operations
Planned Operations
The plant shall be operated $\Box$ by our company $\Box$ by a third party
The plant shall be operated $\qed$ by our company $\qed$ by a third party
The plant shall be operated



Commercial Aspects
The project has an approved investbudget
□ Yes(amount, currency) □ No
If no: The investment cost per kWh shall not exceed(amount, currency)
These numbers refer to the □ electrical □ thermal output per year
If yes: The investment $\square$ is based on a date $\square$ is spread overmonths.
You have finished your financial planning YESor No
If no: When will you reach this milestone?201(Day.Month.Year)
As a part of your financing you are interested in leasing offers
YESor No
As a part of your project you need support in insurance matters
YESor No
As a part of your project you need support with
☐ Project Planning ☐ Project Supervision ☐ Project Management
Additional Information
We have the following in place/support by third parties in the areas of
☐ Legal issues of gasification-plant operation
☐ Legal issues of construction requirements
□ Long-term feedstock supply
☐ Storage and transportation/logistics

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For personal contact or support filling out this this questionnaire please get in touch: Tel: +86 510 83795866 Fax:+86 510 8379 5006 Email: sales@powermaxgasifiers.com



□ Financial planning
□ Communication with local interest groups
If planned:
☐ Legal ☐ Technical requirements for feeding energy into local grids
Further information you would like to give or questions you might have.

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