NEWTRIENT
INNOVATIVE SOLUTIONS IN RESOURCE RECOVERY

TECHNOLOGY PROVIDER
BUSINESS INFORMATION REQUEST

Date: 2/8/2016

COMPANY INFORMATION

Company Name:	DMT Clear Gas Solutions LLC		
Phone:	503-438-4913	**Web Site:**	www.dmt-cgs.com
Address:	19125 SW 125th CT	**City:**	Tualatin
State:	Oregon	**Zip Code:**	97062

BUSINESS CONTACT

Name:	Robert Lems
Phone:	971-336-2963
Email:	rlems@dmt-cgs.com
Address:	19125 SW 125th CT
City:	Tualatin
State:	Oregon
Zip Code:	97062

TECHNICAL CONTACT

Name:	Robert Lems
Phone:	971-336-2963
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BUSINESS HISTORY

How long have you been in business? 27 years

Are you part of a larger company? (●) **Yes** ( ) **No**

Did you exist as another company before this company was formed? ( ) **Yes** (●) **No**
If so, what was that company's name?

Number of employees? +/- 55

What is your business structure? LLC

What types of insurance and or surety do you provide?

Performance bonds, Operational Bonds, Letter of Credit, Liability insurance, transport insurance, operational guarantees, mechanical guarantees.

References. Please provide customers or colleagues with whom we can discuss your business and performance.
Please include a separate list with company name, location, contact name and contact information.

Describe your business service(s). *For example: consulting, development, engineering, equipment sales, finance, other.*

We supply equipment for biogas treatment. Drying, boosting, siloxane, H2S and CO2 removal. For both low and high BTU projects.

Area or region of operation.

North America and the rest of the world

Does your company hold any patents or the rights to any patents? *Please identify.*

No

Do you manufacture equipment? ◉ **Yes** ○ **No** *Please describe.*

We do complete engineering and project management. We buy parts (pumps, compressors, membranes) and let subsupplier integrate this to a complete system.

Do you integrate equipment manufactured by others? ○ **Yes** ◉ **No**
If you integrate, please list the names of the companies you represent.

We use e.g: Vilter, Emmerson, Evonik, Garden Denver. We do not represent those companies but buy their equipment to integrate this in our plants.

How do you answer potential customer's question about financial strength of your company?

Balance sheet if the customer is serious about a purchase.

Do you offer technical/service support? ◉ **Yes** ○ **No** *If so, what methods?*

(super vision) installation, commissioning and full service including 24/7 call desk and call out.

Do you offer design services? ○ **Yes** ◉ **No** *Please describe.*

Do you offer financing? ◉ **Yes** ○ **No** *If so, what terms?*

We have partners that can help with financing. Terms depend on the project.

Are you a full stop shop? *Design to construction to operate?* ◉ **Yes** ○ **No** *Please describe.*

Yes, if needed. Site work (civil, construction) usually is done by a third party or the customer.

Do you have preferred partners? ◉ **Yes** ○ **No**

If so, please list and provide contact information/identify partners by name.

Emmerson/ Vilter: Compressors
Shawn Goggins
T +1 360 805 0590
Shawn.Goggins@Emerson.com

Evonik: Membranes
Maureen Schaefer
Cell +1 314 780 6867
Maureen.Schaefer@evonik.com

Do you have any third-party verification/research that has been done on this technology? ◉ **Yes** ○ **No**
If so, please describe.

Over 20 references

Do you provide a performance guarantee? ◉ **Yes** ○ **No**
If so, what are you guaranteeing? For example: up time, methane production, biogas production, parasitic load, throughput, O&M cost, percent recovery, other.

Yes, uptime of the plant as in gas to grid.

Are there any other aspects of your business that you feel should be included in this document?

We are a one-stop shop for biogas treatment with several technologies for each step to make the right choice between CAPEX and OPEX.

INITIAL TECHNOLOGY OVERVIEW

This information is to guide in the development of a more specific and detailed Technology Information Request.
Please answer the following questions for each Technology or Service Provided.

What is the name of the technology or service?

No response at this time

What unit process is the technology used in?
For example: initial collection/transfer manure storage, energy recovery, primary/coarse solids recovery, advanced suspended/fine solids recovery, drying, struvite production, nitrification denitrification, ammonia stripping, algae, vermi composting, membrane filtration, evaporation, other.

No response at this time

How many systems have you installed on dairy farms or other livestock operations?

No response at this time

Size of farm(s)?

No response at this time

Location of farm(s)?

No response at this time

What's the smallest/largest farm for your system?

No response at this time

Input material description/characteristics:
For example: raw manure, digestate, screened digestate, suitable non-farm feedstocks, other.

No response at this time

Does the technology treat the full manure stream for a farm or a fraction of the stream?

No response at this time

Do you consider this a mature system or ongoing farm development?

No response at this time

Any weather constraints? ◯ **Yes** ◉ **No** *Please describe.*

No response at this time

Any bedding constraints? ◯ **Yes** ◉ **No** *Please describe.*

No response at this time

Is this process scalable and to what extent (top and bottom limits)? ◯ **Yes** ◉ **No** *Please describe.*

No response at this time

Do you have a known scaling factor? ◯ **Yes** ◉ **No** *Please describe.*

No response at this time

Input and output of your unit/system – do you have a mass balance analysis? ◯ **Yes** ◉ **No** *Please describe.*

No response at this time

Do you consider this technology part of a larger system that you provide? ◯ **Yes** ◉ **No** *Please describe.*

No response at this time

Has your technology been accepted by the NRCS? ◯ **Yes** ◉ **No** *Please describe.*

No response at this time

Would you be willing to provide information for a technical review? ◯ **Yes** ◉ **No**

Would you be willing to respond to a Request for Quotation (RFQ) on a generic project for comparison of your technology against other technologies in the same unit process? ◯ **Yes** ◉ **No**

Are there any other facts about this technology that you feel should be included in this document?

No response at this time