



COMPANY INFORMATION

Date:

Company:	DariTech, Inc.		
Phone:	360-354-6900	Web Site:	www.daritech.com
Address:	8540 Benson Rd.	City:	Lynden
State:	WA	Zip Code:	98264

BUSINESS CONTACT

TECHNICAL CONTACT

Name:	Steve Peerce	Name:	Ryan DeWaard
Phone:	206-417-1472	Phone:	360-354-6900
Email:	steve@daritech.com	Email:	rayn@daritech.com
Address:	Same as above	Address:	Same as above
City:		City:	
State:		State:	
Zip Code:		Zip Code:	

BUSINESS HISTORY

How long have you been in business? 26 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? 60 employees

What is your business structure? Private company

What types of insurance and or surety do you provide?

Surety: As Needed

Insurance: General liability, auto, Professional liability, Foreign liability, Ocean Marine, Pollution liability

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

Equipment sales and services, Project development, Design services

Describe your area or region of operation.

Global

Does your company hold any patents or the rights to any patents? Yes No *If yes, please describe.*

- 8,926,846 Systems and methods for extracting particulate from raw slurry material

- 8,889,016 Systems and methods for extracting sand from raw slurry material
- 8,728,801 Composter mechanism
- 8,470,183 Systems and methods for extracting sand from raw slurry material
- 8,201,495 Pre-separator for a screen separator
- 8,142,667 Manure separation for digester method and apparatus
- 7,987,778 Pre-separator for a screen separator
- 7,631,595 Force convection milk pasteurizer
- 7,306,731 Manure separation for digester method and apparatus
- 6,997,135 Valve for a milking apparatus
- 6,637,375 Cow indexing and positioning method and apparatus
- 6,443,094 Method and apparatus for cleaning the udder of a cow
- 6,105,536 Wash system, apparatus and method for a rotary milking apparatus

Do you manufacture equipment? Yes No *If yes, please describe.*

To some degree, we incorporate equipment manufactured by others

Do you integrate equipment manufactured by others? Yes No

If you integrate, please list the names of the companies you represent.

Primary:

- CST Storage
- EYS Metals
- Vision Machine
- Schneider Electric
- IBA
- Lely
- Misc. OEM

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

Does not ordinarily come up, point to history. Other arrangements can be made in certain circumstances if necessary

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

Do you offer design services? Yes No *If yes, please describe.*

Yes, as a means of providing our own equipment. We do not offer design services for fees

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

Are you a full stop shop? Design to construction to operate? Yes No *If so, please describe.*

Design worldwide, construction in our service area. Owners typically responsible for operation

Do you have preferred partners? Yes No *If so, please list and provide contact information/identify partners by name.*

Those whose equipment we incorporate

Do you have any third-party verification/research that has been done on this technology? Yes No

If so, please describe.

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. Please describe.

No. We rely on the customer reaching his own conclusions, and provide whatever information we can to assist. Typically, there are existing facilities which can be evaluated

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

- Flush water thickening for digester
- Sand bedding separation
- Rotary drum bedding composter

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 you provide?

We offer many systems and applications

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.

Our equipment works in the following areas:

- Manure collection
- Manure mixing and pumping
- Coarse manure liquid/solid separation
- Manure solid composting
- Sand bedding recovery
- Manure anaerobic digestion
- Flush manure thickening for digester

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

Hundreds

Size of farm(s)?

10-25,000 cows

Location of farm(s)?

Global

What's the smallest and largest farm using your system?

Dairies of any size can utilize our manure handling offerings. It generally takes at least 200 cows to look at bedding recovery, and 500-1000 before more advanced systems start making sense. On the high end, there is no limitation

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

Everything from raw manure to its various fractions, as conditions require

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

Yes

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

Both. We believe any system can be made better over time

Any weather constraints? Yes No *If so, please describe.*

Any bedding constraints? Yes No *If so, please describe.*

Is this process scalable and to what extent (top and bottom limits)? Yes No *If so, please describe.*

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Do you have a known scaling factor? Yes No *If so, please describe.*

Varies with system. Generally, scales well up to about 5,000 cows, leveling off after that

Input and output of your unit/system – do you have a mass balance analysis? Yes No *If so, please describe.*

Every system is different because every dairy is different, so there is no one analysis which could accurately transfer to a different situation

Do you consider this technology part of a larger system that you provide? Yes No *If so, please describe.*

All of our systems are part of larger systems

Has your technology been accepted by the NRCS? Yes No *If so, please describe.*

Many separation and land application practices have been accepted by NRCS

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

REFERENCES

Please provide customers or colleagues with whom we can discuss your business and performance.

Please include a list with company name, location, contact name and contact information below.

Reference 1

Company Name: Columbia River Dairies

Company Location: Boardman, OR

Contact Name: Marty Meyers

Contact Information: 541-481-9274

Reference 2

Company Name: Revolution Energy Solutions

Company Location: Washington, DC

Contact Name: Al Tank

Contact Information: 202-667-2830 x14

Reference 3

Company Name: Maarhuis Dairy

Company Location:	Sumas, WA
Contact Name:	Ken Maarhuis
Contact Information:	360-988-2400

Reference 4

Company Name:	Blok Evergreen Dairy
Company Location:	Lynden, WA
Contact Name:	Ed Blok
Contact Information:	360-354-0510

Are there any other facts about this technology that you feel should be included in this document? *If so, please describe below.*

A fact of all advanced manure treatment systems is that if the basics of material handling are not managed properly, the project will fail. We specialize in cost effective and efficient subsystems that are at the core of all advanced treatment systems.