



Department of Purchasing and Contracting NON-COMPETITIVE PROCUREMENT REQUEST FORM

Requesting Department: WATERSHED MANAGEMENT

Department Contact Person: Colin J Decker
Email: cjdecker@dekalbcountyga.gov

Telephone: 770 808 2913

Requisition Number: 676778

Suggested Supplier: Carter VerPlank, Inc

Estimated Amount of Purchase: \$ 187,270.00

Detailed Description of the Goods or Services to be purchased: Invent CyberPitch Mixer

Emergency (For Emergency Requests, Please check this box and answer all questions below.)

1. Date and Time of Emergency Occurrence: _____

2. Please state the nature of the emergency posing a risk to public health, welfare, safety or resources:

3. State how the Estimated Amount was determined to be Fair and Reasonable (attach supporting documentation):

Sole Source (Please check box and answer all of the following completely.)

1. Provide an explanation why the product, service or supplier requested is the only method that can satisfy the requirements. Please explain why alternatives are unacceptable. Be specific with regard to specification, features, characteristics, requirements, capabilities and compatibility. (Attach additional documents, if necessary.):

The Invent Cyber Pitch Mixer is the replacement of an inoperative Philadelphia DC operating Flash Mixers at Primary tanks. The current DC drive units are obsolete and a new invent units are AC drive operating system also we 5 invent units are ruining in our Flocculates mixer.

2. Will this purchase obligate us to a particular vendor for future purchases? (Either in terms of maintenance that only this vendor will be able to perform and/or if we purchase this item, will we need more "like" items in the future to match this one?) Explain in detail.

Yes, the parts are getting from them after the warranty period.

3. Explain the impact to the County or Public if this request is not approved.

Based on the Lime addition to the flash mixing basin, there are well mixing before start the processing. If the lime and other chemicals not mixing with row waste water will affect the entire treatment process, also it affect the discharge water quality, that affect the public health.

I hereby request that this non-competitive procurement request be approved for the purchase of the above stated work, material, equipment, commodity, or service.

Department Director (Typed/Printed Name): Scott A Towler

Signature:

Date: 10-5-2016

Do Not Write Below – for the Department of Purchasing and Contracting Use Only

Recommendation and Comments

4/18/17
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SEE RECOMMENDATION AND COMMENTS

I RECOMMEND APPROVAL TO SOLE SOURCE THE PURCHASE OF THE INVENT MIXERS FROM CARTER-VERPLANK, INC.

Approved Not Approved

Signature: Scott A. Towler

Director, Department of Purchasing and Contracting

Date: 4/18/17

Spent about \$99K in 2016
at

Print Form



INVENT Environmental Technologies, Inc.
216 Little Falls Road • Cedar Grove, NJ 07009

Dekalb County
Snapfinger AWT Facility
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Decatur, GA 30034

INVENT Environmental
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Date: 07/12/2017
Ref: IET-1608014-CPM

Carter & VerPlanck, Inc. is the sole and exclusive representative for **INVENT Environmental Technologies, Inc.**

The geographical areas of responsibility for Carter & VerPlanck, Inc. are the states of Georgia and Florida, for our products including: **HYPERCLASSIC®-Mixers**, **CYBERPITCH® Mixers**, **HYPERCLASSIC®-Mixing and Aeration System** and **HYPERSYSTEMS iSBR**.

Very truly yours,

A handwritten signature in blue ink that reads "Teresa Sword".

Teresa Sword
Regional Manager
INVENT Environmental Technologies, Inc.

INVENT worldwide:
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Am Pestalozzing 21
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Italy

INVENT Pacific Pty. Ltd.
2 Woolshed Lane
East Orange 2800
NSW Australia

INVENT Middle East (FZC)
Building Q1-1, Suite 033
SAIF Zone, Sharjah
UAE

FEIN: 20-8750033

HYPERCLASSIC® Mixer Quotation

Offer-No.: IET-1209008-CPM-Rev01

Date: July 15, 2017

Project: Snapfinger, Dekalb County GA Flash Mix



Offer-No.:	IET-1209008-CP-Rev01
Date	July 15th, 2017
Sales Manager:	Glenn House
Project:	Dekalb County, Snapfinger WWTP

1 Design Basis

1.1 Application

The purpose of the **CYPERPITCH** Mixing System is rapid mix for lime and coagulant addition.

1.2 Medium Properties

- Medium:	screened raw wastewater
- MLSS:	≤ 5,000 ppm
- Viscosity:	≤ 1,000 mPa s (cP)
- Temperature:	68 °F
- Total Dissolved Solids (TDS):	≤ 2,000 ppm
- pH-Value:	7

1.3 Plant Data

- No. of basins:	4
- Basin type:	rectangular
- Length:	9.25 ft
- Width:	9.25 ft
- Water depth:	18.5 ft
- Freeboard:	1.64 ft
- Basin volume:	11,624 gal

CYBERPITCH Mixer Quotation

Offer-No.: IET-1209008-CPM-Rev01
 Date: July 15, 2017
 Project: Cyberpitch Dekalb County, GA Snapfinger WWTP



2 Mixer Layout

As a proper solution for the mixing task described in chapter 1 we recommend 4 mixers with the following technical data:

Mixer design INVENT CyberPitch®



9/26/2012

Offer Number: AU1209074-CP-Rev00
 Project: Snapfinger

Medium		
Type	Rash Mixing with Lime	
Sludge Volume Index	80	ml/g
Dried Solids Content	5,000	ppm

Basin		
Type	rectangular	
Length	13	ft
Width	13	ft
Water Depth	10,5	ft
Freeboard	1,6	ft
Basin Area	16	ft²
Basin Volume	1,765	ft³
Number of Basins	4	-
Number of Mixer Rows	1	-
Number of Mixers per Row	1	-
Total Number of Mixers	4	-

Mixer		
Type	CP/1400-55-15hp	
Number of mixers per shaft	2	
Diameter	55.1	in
Rotational Speed	56	rpm
Rated Motor Power	15	hp
Shaft Power	12.2	hp
Power Consumption	13.8	hp
Power Density	6.6	hp/1000 ft³
Mixing Intensity	417	s ⁻¹
Bottom Velocity	2.05	ft/s
Average Bottom Velocity	-	ft/s
Mixer Flow Rate	3,281	ft³/min
Service Factor	4.1	-
Bottom Distance	31.5	in
Mixer Weight	1,411	lb
Shaft Diameter	3.74	in
Shaft Length	114	in
Flange Diameter Gearbox	17.7	in
Hollow Shaft Diameter	3.74	in
Rated Torque	16,640	lb-in
Start-up Torque	-	lb-in
Static Axial Force	1,412	lb
Dynamic Axial Force	414	lb
Rated Current	18,4	A
Start-up Current	-	A
Power Reserve	15	%

Rev. Nr. HCM 2009/001-Standard

Rev. Date: 28.04.2009

CYPERPITCH Mixer Quotation

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3 Scope of Supply

3.1 CYPERPITCH Mixer Configuration

	Quantity	Component	Material
Mixer Configuration	1	Drive Unit	Housing made from cast iron with high-quality coating
	1	Mounting Base	Carbon steel with powder coating and vibration dampeners
	1	Shaft	316 stainless steel
	1	Mixer Body	316 stainless steel
	1 set	Assembly Hardware	316 stainless steel

CYPERPITCH Mixer Quotation

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4 Prices

4.1 CYPERPITCH Mixer

Total price for the four (4) **CYPERPITCH** Mixers as detailed herein, DDP Snapfinger WWTP, Dekalb County, GA

4 CYPERPITCH Mixers	\$187,270
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4.2 Commissioning / Supervision of Start-up

Commissioning and start-up assistance by 1 **INVENT** technician (executive mechanic), without travel costs and accommodation.

2 Days included

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Excluded are:

- Any walkway or support constructions
- Any control panels or H-O-A panels
- All labor to install the equipment
- The Unloading of the goods, buyer is responsible for unloading the goods. The buyer is responsible for keeping goods safe before assembly.
- Lifting gears for the assembly have to be supplied by the client.
- Electricity and energy must also be supplied by the client free of charge.
- The basins must be empty, cleaned and dry for the assembly.
- The assembly will only be supervised by **INVENT**, not installed.
- The drilling of the holes for the chemical anchors.
- Any possible required adjustment of the handrails.
- Electrical connecting of the motors
- Scaffolding to enable the access of side of the concrete platform and bridge, if required.

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5 Payment conditions

5.1 Guarantee

- The guarantee period is 12 months after start up of the system. The guarantee is only valid if all **INVENT** Environmental Technologies Inc guidelines for the operation and start up of the systems have been followed. If there is no assembly the time of guarantee starts 6 months after delivery and/or notification of readiness for transport.
- Our guarantee is based on the data and documents we have received prior to purchase of the equipment. We assume that the client has informed us about all possible flow obstacles, such as inflows and outflows. Flow disturbances or damages resulting from flow obstacles or other flow generators, inflows, and outflows are not part of our guarantee.

5.2 Delivery Time

The equipment will be ready to ship approximately 16–18 weeks after approval of submittal documents and the receipt of down payment

5.3 Delivery Terms

All prices are ex works unless otherwise indicated.

5.4 Period allowed for payment

All prices are payable net within 30 days after the receipt of the invoice

5.5 Binding period of quote

The offer is valid for 90 days.