



Ocean County Board of Commissioners

OFFICE OF THE  
OCEAN COUNTY COMMISSIONERS

Director John P. Kelly

Deputy Director Frank Sadeghi

Commissioner Robert S. Arace

Commissioner Jennifer Bacchione

Commissioner Virginia E. Haines

101 Hooper Avenue  
Toms River, New Jersey  
08754-2191  
(732)929-2005  
(732)505-1918

Board Meeting Agenda

Date: April 2, 2025 - 4:00 PM

Location: Administration Building  
Room 119  
101 Hooper Avenue  
Toms River, NJ 08754

Agenda: Awarding a Contract for the furnishing and delivery of LEASING OF RECYCLING STREAM COMPOSITION ANALYTICAL PLATFORM to BINIT, INC. dba VISIA, the lowest qualified bidder. (B2025-32)

Official Resolution#	2025000408
Meeting Date	04/02/2025
Introduced Date	04/02/2025
Adopted Date	04/02/2025
Agenda Item	m-7
CAF #	
Purchase Req. #	B2025-32
Result	Adopted

COUNTY COMMISSIONER	PRES.	ABS.	MOVE	SEC	AYE	NAY	ABST.
Kelly	✓				✓		
Sadeghi	✓				✓		
Arace	✓			✓	✓		
Bacchione	✓		✓		✓		
Haines		✓					

I HEREBY CERTIFY THAT THIS DOCUMENT IS A TRUE, COMPLETE AND ACCURATE COPY OF THIS RESOLUTION, ADOPTED BY OCEAN COUNTY BOARD OF COMMISSIONERS, NJ AT THE MEETING REFERENCED THEREON

Michelle I. Gunther

Clerk Of The Board

RESOLUTION

April 2, 2025

WHEREAS, on February 19, 2025, pursuant to legal advertisements therefor, sealed bids were received for the furnishing and delivery of LEASING OF RECYCLING STREAM COMPOSITION ANALYTICAL PLATFORM for the County of Ocean; and

WHEREAS, at the advertised time, responses were received from the following bidders:

<u>Name and Address of Bidder</u>	<u>Name and Address of Bidder</u>
BINIT, INC dba VISIA 169 Madison Avenue #2358 New York, NY 10016 (201) 285-4018	Glacier Technology, Inc. 363 Clementina Street San Francisco, CA 94103 (646) 417-2146
	; and

WHEREAS, after the receipt and examination of same, the County Purchasing Agent has now recommended to this Board that the lowest qualified bid, according to specifications, namely that of, BINIT, INC DBA VISIA., be accepted.

NOW, THEREFORE, BE IT RESOLVED by the BOARD OF COMMISSIONERS of the COUNTY OF OCEAN, STATE OF NEW JERSEY, as follows:

1. The Director and Clerk of this Board are hereby authorized and directed to enter into a contract for the furnishing and delivery of leasing of recycling stream composition analytical platform, for the County of Ocean, for the contract period shall be one (1) year from date of award through April 1, 2026, or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15. The County reserves the right to extend the contract for one (1) additional year by mutual agreement between the County and the Contractor with no increase in base price.

A. BINIT, INC DBA VISIA. for two (2) items, to wit:  
ITEM NOS. 1 and 2.  
For a Total Lump Sum Award (Item Nos. 1 – 2) of \$90,600.00.

2. Payments for the services to be acquired by this contract shall be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

3. Funds for the services shall be available within the following funding Sources: Solid Waste Management O.E.

4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2025-32.

BE IT FURTHER RESOLVED that certified copies of this Resolution shall be made available to the County Auditor, Department of Purchasing, Department of Finance, Solid Waste Management and BINIT INC DBA VISIA., the successful bidder.

## [BINIT INC.] RESPONSE DOCUMENT REPORT

Bid No. TBD

## LEASING OF RECYCLING STREAM COMPOSITION ANALYTICAL PLATFORM

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
✓ 1	PLATFORM SETUP - (Includes all work related to the installation, setup and successful implementation of the Platform prior to start of the operational lease period.)	1	LS	\$30,000.00	\$30,000.00
✓ 2	RENT FOR LEASE - (Rent includes the cost for: the lease of all Platform components; data monitoring interface access, technical support, and Platform maintenance.)	12	MO	\$5,050.00	\$60,600.00
TOTAL					\$90,600.00

Introduced on: April 2, 2025

Adopted by [BINIT INC.] April 2, 2025

Official Resolution #: 2025000408

[BINIT INC.] RESPONSE DOCUMENT REPORT

## COMPLIANCE PAGES - LEASING OF RECYCLING STREAM COMPOSITION ANALYTICAL PLATFORM

Page 1 of 4

**LEASE AGREEMENT FOR RECYCLING STREAM COMPOSITION ANALYTICAL PLATFORM****SCOPE OF LEASE**

The County of Ocean seeks to lease a Recycling Stream Composition Analytical Platform, including cameras, wiring, software and hardware (hereafter referred to as the "Platform") for implementation in the County's Northern Recycling Center located at 601 New Hampshire Avenue, Lakewood, NJ 08701. The Platform will be used in the Single Stream and Commingled Buildings. Any vendor unable to attend the voluntary pre-bid meeting is highly encouraged to conduct a site visit to review the facility layout and conditions before submitting a bid. To arrange a site visit, please contact Robert Kuhne, Assistant Director, at (732) 367-0802.

<b><u>COMPLIANCE</u></b>	
<b><u>YES</u></b>	<b><u>NO</u></b>

**PLATFORM COMPONENTS AND GENERAL REQUIREMENTS**

The Platform shall include all necessary equipment, hardware, software, cameras, wiring, and an internet connection to identify and categorize recyclable materials at various points in the processing line.

X	<input type="checkbox"/>
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The system shall aggregate and provide quantifiable data for customizable reporting and analysis of the recycling stream's composition.

X	<input type="checkbox"/>
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**CCTV CAMERA SPECIFICATIONS**

Cameras to be Hanwha Technwin PNO-A9081R 4K UHD, or Equal

**Key Features**

- Cameras shall be rated for continuous operation in ambient temperatures of 0° to 110° F dry bulb and up to 85% relative humidity.
- Camera sensitivity shall provide usable images in low-light conditions to achieve 95% ID accuracy at a scene illumination of 6 lux at f/2.0.
- Image Quality: 4K UHD (3840 x 2160) resolution at 30 fps
- Lens: 4.5-10mm motorized varifocal lens
- Night Vision: Infrared LEDs providing up to 98' of night vision
- Connectivity: Power over Ethernet (PoE) for simplified data and power transmission

X	<input type="checkbox"/>
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**Video and Image Processing**

- Compression: H.265, H.264, MJPEG
- WiseStream II: Adaptive compression to optimize bandwidth
- Image Enhancements: Digital noise reduction (SSNR V), BLC, 120 dB WDR, and SDR
- Focus & Zoom: 2.2x optical zoom, precise iris, simple focus, and lens distortion correction
- Stabilization: Digital image stabilization with gyro sensor
- Video Rotation: Flip, mirror, and hallway view (90/270°)
- Privacy Masking: Up to six (6) rectangular zones

X	<input type="checkbox"/>
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**Streaming & Compatibility**

- Networking: 1000M Ethernet port
- Analytics Triggers: Analytics-based triggers for minimum events like tampering, motion, and more

X	<input type="checkbox"/>
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**LEASE AGREEMENT FOR RECYCLING STREAM COMPOSITION ANALYTICAL PLATFORM****COMPLIANCE**  
**YES**      **NO****CCTV CAMERA SPECIFICATIONS (Cont'd)**

Cameras shall be acceptable for use in a high-abuse location and come with weathertight, impact-resistant bodies. Cameras will not be exposed to wet or corrosive conditions. X ☐

The Vendor shall supply a total of eight (8) cameras which will operate concurrently; two (2) shall be stationary and six (6) shall be movable. X ☐

Four (4) Cameras shall be installed in the Single Stream Building with one (1) camera remaining fixed at Single Stream System Position 27 X ☐

Four (4) in the Commingled Building with one (1) remaining fixed at Commingled Container System Position 27 X ☐

Six (6) cameras must be easily movable among the auxiliary bracket across the various positions on the conveyors. X ☐

If cameras cannot be relocated by the recycling center staff, the Vendor will be responsible for their relocation as requested but not more than once per month. X ☐

**BRACKETS AND MOUNTING REQUIREMENTS**

Brackets will be required to mount the video cameras above the center of the conveyor. X ☐

The Vendor shall provide and set up brackets for moving the cameras on eleven (11) conveyors in the Single Stream Building and ten (10) conveyors in the Commingled Building. *Please see drawings and Scope of Work in the Attachments for details on locations* X ☐

A layout of the conveyors is shown in Appendix A, and the precise locations for camera mounting will be determined on-site. The conveyors include positions ranging in width from 18" to 79", with specific locations detailed in the document. X ☐

COMPLIANCE PAGES - LEASING OF RECYCLING STREAM COMPOSITION ANALYTICAL PLATFORM

Page 3 of 4

**LEASE AGREEMENT FOR RECYCLING STREAM COMPOSITION ANALYTICAL PLATFORM****COMPLIANCE**  
**YES**      **NO****CONNECTIVITY AND INTERNET REQUIREMENTS**

The Vendor shall provide the necessary wiring for camera power, signal, and control, ensuring that the movable cameras can be conveniently relocated among the auxiliary brackets. The wiring must factor in the existing conditions of conveyor elevations, accessibility, and incline.

X      ☐

The Vendor shall provide an internet subscription and router for real-time data uploading from the cameras to a Data Monitoring Interface.

X      ☐

The Vendor shall implement a firewall on their internet connection to safeguard the data.

X      ☐

The Platform will not have access to the County's internal network.

X      ☐**ARTIFICIAL INTELLIGENCE AND PERFORMANCE STANDARDS**

Using artificial intelligence or machine learning, the Platform must visually recognize various materials typically found in a single-stream of Class A recyclables traveling on conveyors at speeds of up to 600 feet per minute, with at least 95% accuracy under varying lighting conditions.

X      ☐

The Platform must identify and differentiate materials such as aerosol cans, aluminum cans, aluminum foil, cardboard (brown vs. colored), film packaging, glass, HDPE containers (natural vs. colored), newspaper, paper products, PET (clear vs. colored vs. thermofoam), plastic bags, polypropylene containers, styrofoam, tetra packaging, and tin cans, regardless of shape or color.

X      ☐**DATA MONITORING AND REPORTING**

The Vendor shall provide a password-protected, web-based, or cloud-based data monitoring interface to access data. The interface shall include features such as customizable reports on recycling composition by weight, material accounting over specified periods, system performance and throughput tracking, material classification statistics, data export capabilities, and real-time composition tracking with alert settings via text or email for material spikes or anomalies.

X      ☐**MAINTENANCE AND SUPPORT SERVICES**

The Vendor shall maintain all Platform components throughout the lease term, excluding cleaning, and provide technical support for the data monitoring interface.

X      ☐

Monthly conference calls for feedback, questions, and troubleshooting shall be included.

X      ☐

The Vendor shall guarantee that the Platform remains operational throughout the lease term, with prompt replacements or repairs for any faulty hardware or software issues within 30 days of notification by the County.

X      ☐

The County shall not be responsible for normal wear and tear of equipment.

X      ☐

Introduced on: April 2, 2025

**LEASE AGREEMENT FOR RECYCLING STREAM COMPOSITION ANALYTICAL PLATFORM**

Official Resolution#: 2025000408

<u>COMPLIANCE</u>	
<u>YES</u>	<u>NO</u>

**MAINTENANCE AND SUPPORT SERVICES (Cont'd)**

At the end of the lease, the Vendor shall remove all Platform components from the site, and all components of the Platform shall remain the property of the Vendor.

X

☐**LEASE TERM AND DELIVERY**

The Platform shall be delivered, set up, and operational within sixty (60) days of receipt of purchase order.

X

☐

The lease period will begin when the system becomes operational and will last for twelve (12) months. It may be extended for up to an additional twelve (12) months by mutual agreement between the County and the contractor, subject to available funding, and will conclude no later than 30 days before the end of the lease term.

X

☐**RENT AND PAYMENT STRUCTURE**

Rent shall include all Platform components, technical support, and maintenance, and shall be paid in equal monthly installments invoiced by the Vendor.

X

☐**TERMINATION CLAUSE**

Either party may terminate the lease with 30 days written notice, without cause.

X

☐

In the event of termination, the Vendor shall retrieve the Platform, and the County will have no further obligations.

X

☐