

United States
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Form 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): **March 7, 2024**

PureCycle Technologies, Inc.

(Exact Name of Registrant as Specified in its Charter)

Delaware	001-40234	86-2293091
(State or other jurisdiction of incorporation)	(Commission File Number)	(I.R.S. Employer Identification No.)
5950 Hazeltine National Drive,	Suite 300,	Orlando
Florida		32822
(Address of Principal Executive Offices)		(Zip Code)

Registrant's telephone number, including area code: **(877) 648-3565**

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.001 per share	PCT	The Nasdaq Stock Market LLC
Warrants, each exercisable for one share of common stock, \$0.001 par value per share, at an exercise price of \$11.50 per share	PCTTW	The Nasdaq Stock Market LLC
Units, each consisting of one share of common stock, \$0.001 par value per share, and three quarters of one warrant	PCTTU	The Nasdaq Stock Market LLC

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (Sec.230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (Sec.240.12b-2 of this chapter).

Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Item 7.01 Regulation FD Disclosure

PureCycle Technologies, Inc. (the “Company”) will be hosting an Investor Showcase event at its Ironton, Ohio facility in Ironton, Ohio beginning at 9:00 am Eastern Time on March 7, 2024. This event will feature a tour of the Company’s pre-processing facility, purification operation and offtake distribution area. The Company will offer a virtual, live-stream option for those who cannot attend in person. The Company is furnishing as Exhibit 99.1 to this Current Report on Form 8-K the presentation materials to be provided to, and discussed with, attendees at the Investor Showcase event. The presentation will also be available on the Investor Relations page of the Company's website: www.purecycle.com.

The information in this Current Report on Form 8-K (including the presentation materials attached as Exhibit 99.1 hereto), is being furnished pursuant to Item 7.01 of Form 8-K and shall not be deemed to be “filed” for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities of that section, nor shall it be deemed to be incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act. This Current Report on Form 8-K will not be deemed an admission as to the materiality of any information contained herein (including the presentation materials attached as Exhibit 99.1 hereto).

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit Number	Description of Exhibit
99.1	March 7, 2024 Investor Showcase Presentation
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURE

Pursuant to the requirements of the Securities and Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

PURECYCLE TECHNOLOGIES, INC.

By: /s/ Jaime Vasquez

Name: Jaime Vasquez

Title: Chief Financial Officer

Date: March 7, 2024

Exhibit 99.1

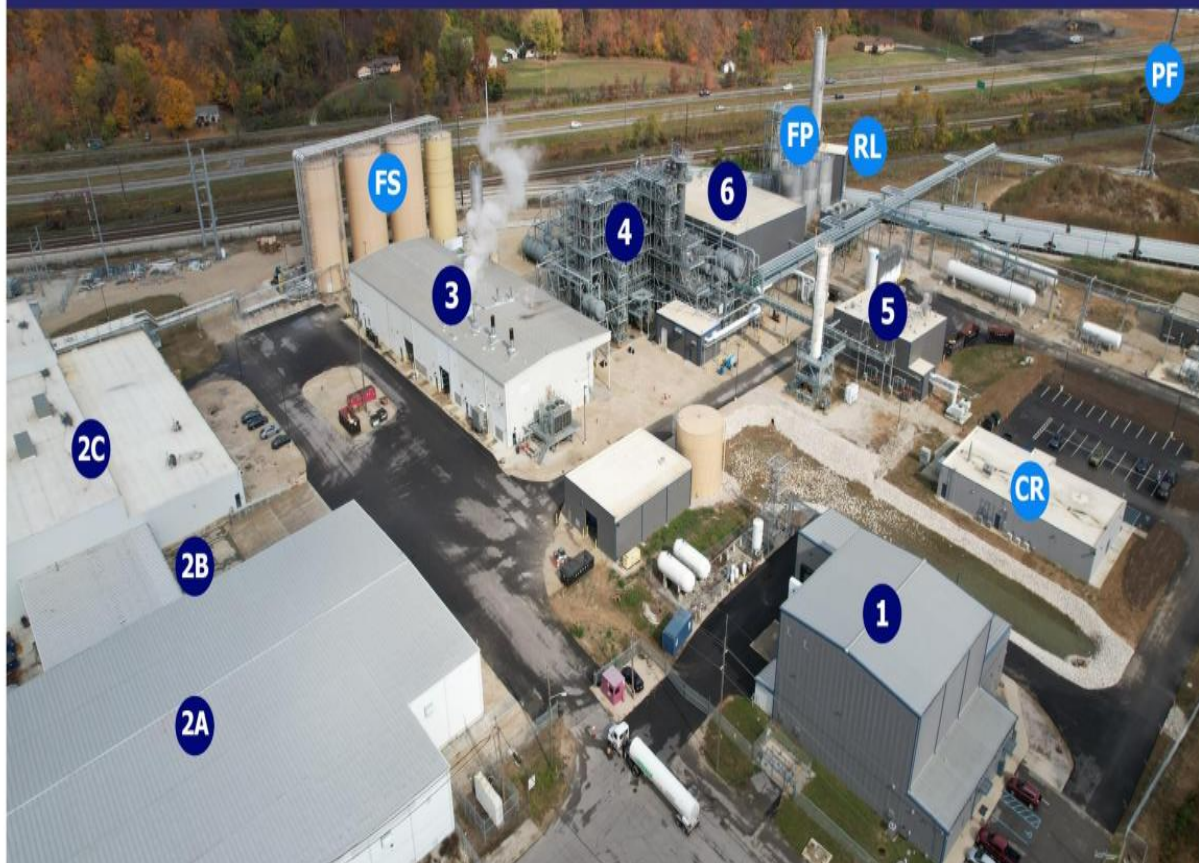
Ironton Showcase 2024 Poster Boards for 8K

March 7, 2024



Confidential Information. Do Not Distribute.

IRONTON PURIFICATION FACILITY MAP



- | | | | | |
|-----------------------------------|----------------------|--------------------------|---------------------------|------------------|
| 1 Feedstock Evaluation Unit (FEU) | 2C Feedstock Process | 5 Co-Product Building | FS Feed Silos | PF Process Flare |
| 2A Feedstock Storage | 3 Utilities Building | 6 Extrusion Building | FP Finished Product Silos | |
| 2B Feedstock Receiving – Truck | 4 Purification Area | CR Control Room Building | RL Rail Loading Area | |

STOP 1 FEEDSTOCK EVALUATION UNIT



STOP 1 FEEDSTOCK EVALUATION UNIT



21,000 LBS

of Ultra-Pure Recycled resin has been produced in the FEU since coming online in 2019

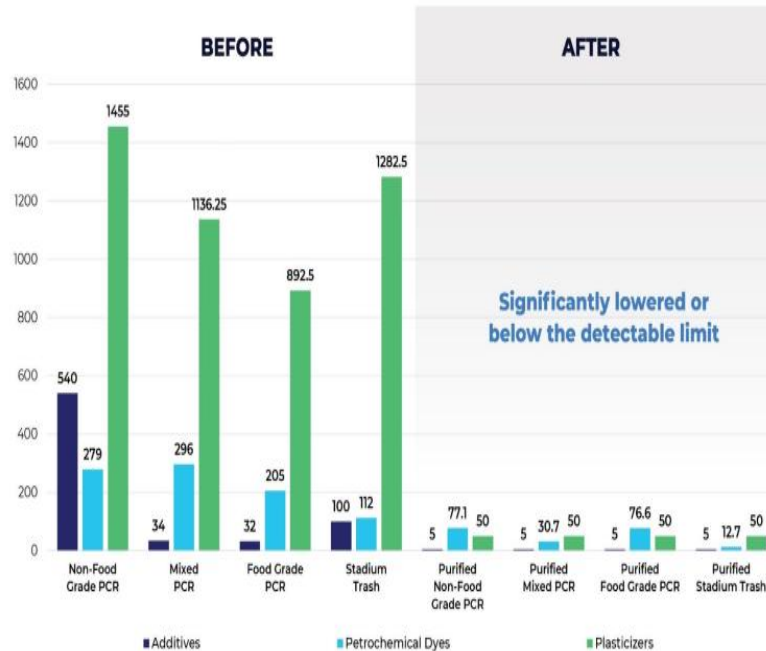
- FEU has run carpet fiber, stadium trash, BOPP film, mixed rigids & supersack agglomerate
- Product used to pre-certify core strategic customers & test properties of feed
- FEU operation aids PureCycle in:
 - research & development
 - feedstock selection
 - joint venture development
 - FDA challenge testing

STOP 1 JOURNEY WITH THE FDA



- Received approval for food-grade post-industrial A-H and food-grade post-consumer, stadium trash E-G
- PureCycle/FDA agreed future testing methodology for additional applications
- Targeted feed streams include curbside and other underutilized feedstock to help reduce landfill and incineration
- After the PureCycle purification process, aromatic chemicals, dioxin-like pcb's, and phthalates were **all significantly lowered or below the detectable limit.**

BEFORE & AFTER PURIFICATION



When running at capacity, PureCycle will receive **≈ 10 trucks per day** of feedstock, equal to **≈ 350,000 lbs.**



PCR Rigids



Flake



PCR Raffia



Agglomerate



PCR Twine



Pellets



2 DRY LINES

supersacks
twine
raffia
films
labels/trim waste
carpet

RATE*

≈ 3,000 LB / HR

X 2 LINES = 6,000 LB

1 WET LINE

mixed rigids
tubs
lids
fast food cups
political signs
food containers

RATE*

≈ 8,000 LB / HR

*Rates are dependent on feedstock.

STOP 2 PUREZERO™ PROGRAM



THE PROGRAM

PureZero™ is an educational program from PureCycle designed to educate employees, students, sports fans, companies and franchises on the benefits of recycling. Through the implementation of best practices, we've witnessed an increase in plastics recycling at stadiums, in our own corporate office, and even with political signs following an election.



CLOSING THE LOOP

PureCycle's PureZero™ program allows for plastic waste to be recycled into ultra-pure recycled resin that can be reused by the original manufacturer to reproduce the same product multiple times. For example, last season's stadium cup with the recently traded superstar can be recycled into a customized cup for this season. This is 100% closed loop circularity!

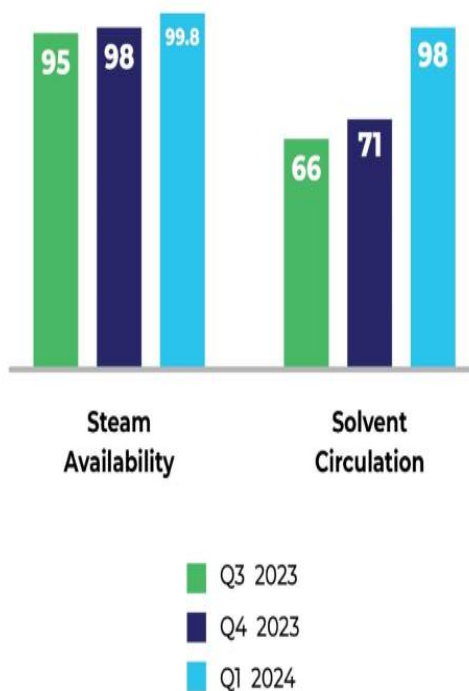


ENGAGE THE COMMUNITY

PureCycle is committed to building relationships and advancing sustainability efforts within our local communities. As such, we will work with you to identify sustainability or recycling organizations you can collaborate with on PureCycle's PureZero™ program. We will also assist with identifying volunteer-focused opportunities for community engagement (e.g., local park or waterway clean-ups) and tap into the volunteer power of your organization to help with education and outreach efforts.



UTILITIES UPTIME % DATA YEAR TO DATE



STOP 3 ENERGY CONSUMPTION



BOUNDLESS
IMPACT RESEARCH & ANALYTICS

Original Independent
3rd Party LCA Report



ENERGY FOOTPRINT

(MJ / kg PP)

IRONTON

79% ↓
below virgin PP



GHG FOOTPRINT

(kg CO₂e / kg PP)

IRONTON

35% ↓
below virgin PP

ENERGY OPEX

2021 Ironton Estimates

\$9.7M/YR

EARLY INTERNAL ESTIMATES FOR ACTUAL ENERGY CONSUMPTION

ELECTRICITY

NATURAL GAS

Consumption Actual VS Design

**50-60%
BELOW**

**35-45%
BELOW**

Potential LCA Impact¹

**10-17%
BELOW**

**15-20%
BELOW**

Potential Opex Reductions²

**\$
1.3-2.2M
1.2-2.0 CPP**

**\$
1.2-1.6M
1.1-1.5 CPP**

1. potential impact
estimated against the
values of the Boundless
Impact LCA report for
Ironton

2. assuming 107 million
pounds of production,
electricity rate 7 cents per
kwh and natural gas is \$7
per MCF

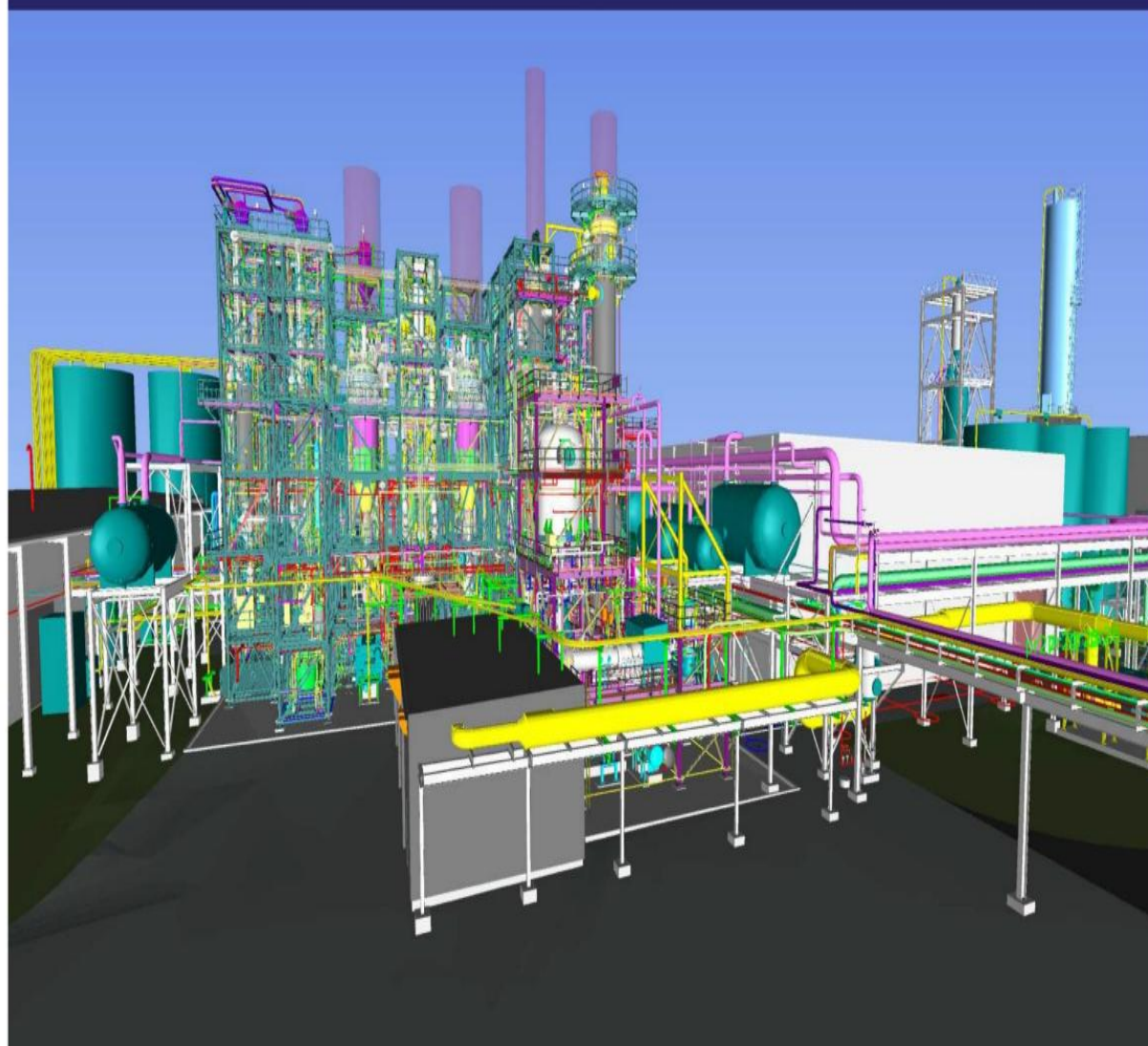
**INTERNAL
PROJECTIONS**

**UP
TO 87% ↓**
below virgin PP

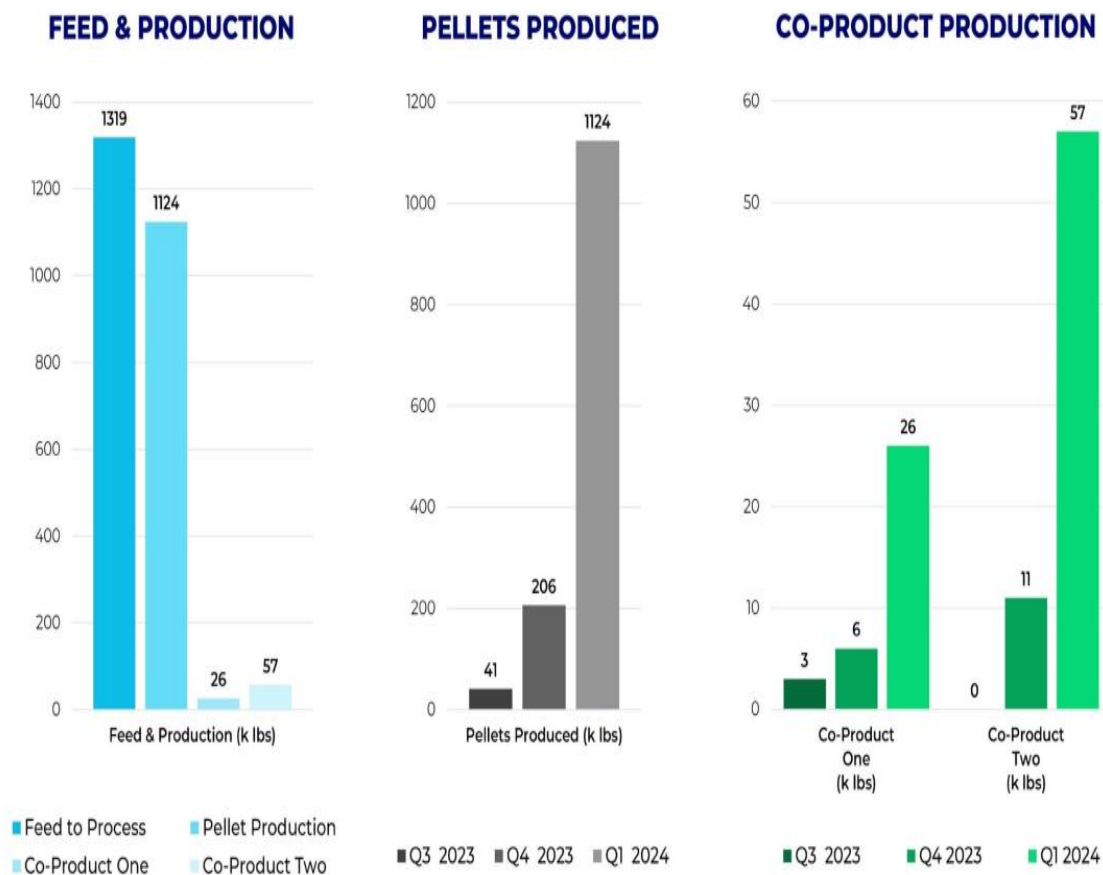
**UP
TO 58% ↓**
below virgin PP

**UP
TO \$3.8M ↓**
Annual Savings

STOP 4 3D RENDERING OF PURIFICATION



STOP 4 FROM ZERO TO ONE



All data as of 2/24/24 and in k lbs.



CO-PRODUCT 1

DESCRIPTION: light co-product with low molecular weight polypropylene, waxes, antioxidants and organic additives

POSSIBLE USES:

- Sustainable filler for asphalt, roofing and other niche specialty products

POTENTIAL MARKET INDEXES: crude oil, olefins feed, pyrolysis oil, specialty waxes

ESTIMATED YIELD: 0.5 to 5.0% dependent on feedstock



CO-PRODUCT 2

DESCRIPTION: heavy co-product with polyethylene, inert fillers and other high-melting polymers

POSSIBLE USES:

- Mechanically-recycled polyethylene applications for transportation, construction and agricultural industries
- Sustainable filler for compounders targeting various industries and energy for fuel

POTENTIAL MARKET INDEXES: mechanically recycled polyethylene

ESTIMATED YIELD: 0.0 to 15.0% dependent on feedstock



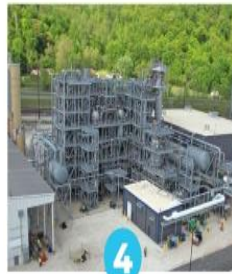
1
Feed Prep



2
Feed Silos



3
Feed Extruder



4
Purification



5
Classifier



6
Product Silos

STOP 6 TYPES OF EXTRUDERS



FEED EXTRUDERS



PRODUCT EXTRUDER

~ 7,650 LB / HR (X2)

**DESIGN
CAPACITY**

~ 13,900 LB / HR

~ 8,000 LB / HR

**ACHIEVED
CAPACITY**

~ 9,860 LB / HR

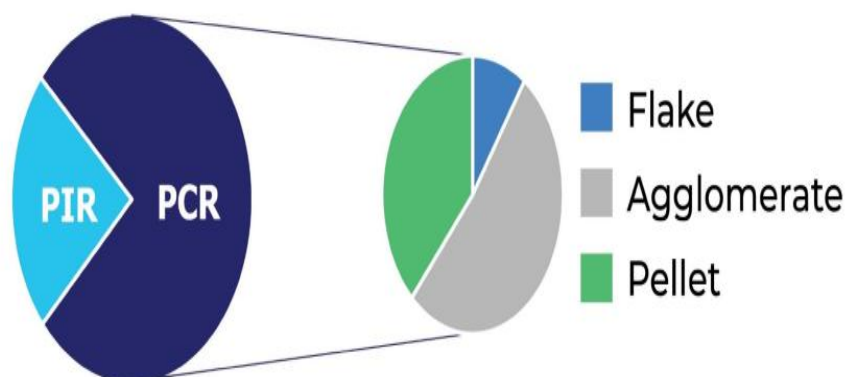
~ 7,000 LB / HR

**CONTINUOUS
ACHIEVED
CAPACITY**

~ 7,600 LB / HR

All data is approximate as of 2/24/24. Continuous = More than 6 hours.

NUMEROUS FEEDSTOCKS RUN AT IRONTON



Flake



Agglomerate

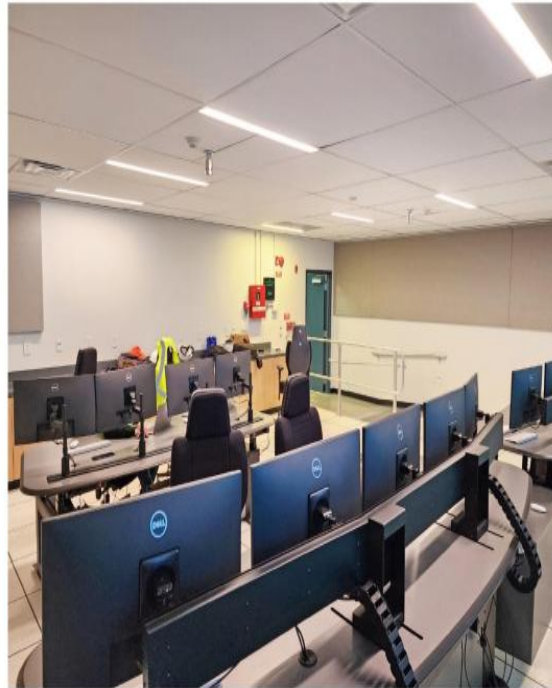


Pellets

INITIAL PRODUCT TESTING FEEDBACK IS POSITIVE



Making inroads into multiple industry segments including auto, apparel, consumer goods, and medical.



The **Emerson DeltaV Control System** is a networked web of communication between equipment in the field and operators in the control room. We can view processes in real-time from almost anywhere through mobile devices and engineering tablets.

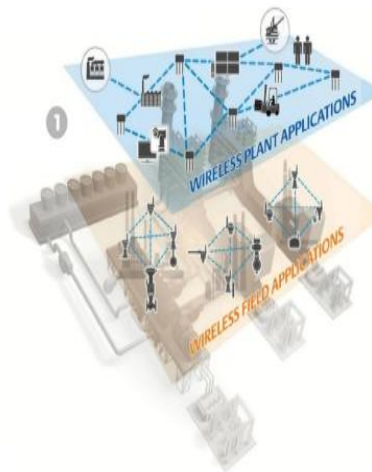
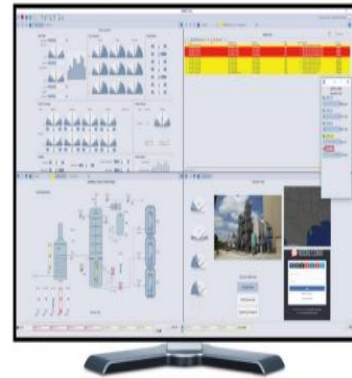
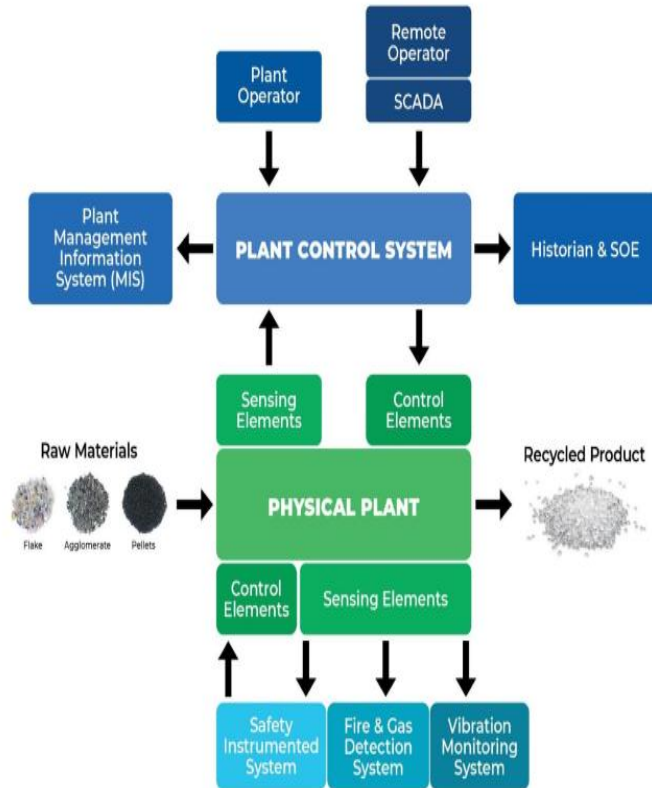


Image: <https://www.emerson.com/en-us/expertise/automation/industrial-internet-things/pervasive-sensing-solutions/wireless-technology>

