

1501 TITANIUM DRIVE | OTTAWA, ILLINOIS 61341

Plant
New in
2010!

52,000 SF | 17 ACRES AVAILABLE
FORMER CRISTAL METALS (TRONOX) SITE

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Company Background

- As a vertically integrated producer of titanium dioxide and inorganic chemicals, **Cristal Metals (Tronox)** mines and processes titanium ore, zircon and other materials and manufactures titanium dioxide pigment, specialty-grade titanium dioxide products, and high-purity titanium chemicals.
- These products add brightness and durability to paints, plastics, paper and other everyday products.



Project Summary

- This site in Ottawa, Illinois was developed as a processing facility for titanium powder production and was operated from 2010-2019.
- A \$200M investment was made to build the facility in 2010.
- The site is perfect for its existing function as a calcining and drying operation.
- The facility can also be used across multiple chemical processes.
- Includes calciners, rotary tray dryers, liquid slurry, and filtering.
- Plant designed to produce 4M lbs./year (1,814 tons/year) of Titanium Dioxide.
- CSX rail spurs branch into two (2) buildings.
- Plant located 72 miles from Chicago-Midway airport.

Site Overview

- **Building 100:** rail track inside building via south door (red); TTC storage.
- **Building 200:** TTC vaporization/pilot plant.
- **Building 300:** rail track inside building via south door (red); sodium storage.
- **Building 400:** reaction and sodium removal.
- **Building 500:** Ti wash and dry plus milling.
- **Building 700:** product warehouse and shipping.
- **Building 800:** maintenance shop.
- **Building 900:** offices, lockers, lab and control room.



Site Buildings: constructed 2007-2009, all site buildings are metal-sided, metal-roofed, insulated, ventilated and gas-heated structures.

Major Assets

- (1) Heyl & Patterson 96" diameter calciner, Inconel 600 shell, 1540°F, electrically heated, 53' long hot zone, 66'6" overall shell length, 2993 kW rating, inert atmosphere rated, built 2010.
- (2) Heyl & Patterson 66" diameter calciners, 316L stainless steel shell, 1540°F, electrically heated, 68' long hot zone, 83' overall shell length, 208 kW rating, inert atmosphere rated, built 2010.
- (2) Wyssmont rotary tray dryers, model OE-32, stainless steel product contact surfaces, (32) 96" diameter trays, with Wyssmont Rotoscoop feeder, 1 HP tray drive, 3 HP turbo fan drive, 15 HP blower, built 2009.
- (2) Komline Sanderson horizontal vacuum belt filters, model 1.25Mx9.75M HVF, 11.25 sq. meter surface area, 1.25 meters wide x 9.75 meters long, with 125 HP liquid ring vacuum pump system with (3) filtrate tanks with pumps.
- (2) 42" Fundabac candle filters, Duplex 2205 construction, model R-021.8-42-2000/T130Z.
- (1) 57' high Kock-Glitsch column, 316H stainless steel construction, rated 3 psi and full vacuum at 1430°F.
- (2) 250 HP Sullair air compressors, model TS20-250H, 1132 ACFM.
- (1) 400 kW Cummins emergency generator, model 450 GFGA, natural gas fired.
- (1) Airtek regenerative air dryer, model TWB-2600.
- (1) 8' Kleenair retort furnace, 450 kW.
- (1) 195 Ton Edwards chiller, air cooled, model CE-210-A-14ZB3.
- (1) 60 Ton Edwards chiller, air cooled, model CE-75-A-5ZB3.
- (1) 585 kW Budzar oil heater, model 20T-585280/0140-GOMSP, 2 zone.
- (1) 514 kW Budzar oil heater, model 10T-514350-GOL-SP, 1 zone.
- (2) 5005 cu ft Columbian TecTank silos, stainless steel.
- (1) 500 cu ft Columbian TecTank silo, stainless steel.
- (1) 27,000 gallon Addison Fabricators horizontal receiver tank, 304 stainless steel, rated 75 psi at 400°F.
- (2) Taylor Products drum filling stations, model TEVB-2
- Lab equipment consisting of Cetac auto sampler, Thermo iCAP6000 spectrometer, VWR oven, Mehtrohm titrator, (2) LECO Determinators, fume hood and casework.

Equipment Highlights

Equipment new in 2010



96" Heyl & Patterson Calciner



Wyssmont Dryers



Fundabac Candle Filters



57' Kock-Glitsch Column



66" Heyl & Patterson Calciner



Komline Sanderson Belt Filter

Equipment Highlights

Equipment new in 2010



400kW Cummins Generator



Airtek Regenerative Air Dryer



195 Ton Edwards Chiller



250 HP Sullair Air Compressors



8' Kleenair Retort Furnace



60 Ton Edwards Chiller

Equipment Highlights

Equipment new in 2010



585 KW Budzar Oil Heater



27,000 Gal Addison Receiver



Columbian TecTank Silos



Drum Fillers

Site Details

Rolling Stock

- 10,000 lb. Toyota propane forklift, 4,000 lb. Toyota electric forklift, portable concrete mixer, miscellaneous electric and manual pallet lifts.

Machine Shop

- Numerous Lisa cabinets with contents and various tooling, several Miller and Tig welders, rigid pipe threader, nut and bolts cabinet and spares, Ellis horizontal band saw, Gorbell a-frame 1-ton lift, misc. drill presses, Lista work/wood top benches, Lincoln fume extractors, metal work tables with vices, Dake drill dress, Craftsman tool cabinet full of tooling, Bridgeport vertical milling machine, Leblonde 72" engine lathe, sand blast cabinet, spare parts, vices, and much much more.

Transformers

- For primary power incoming voltage reduction, 34.5 kV to 480V, the site has 7 transformers. At 3750 kVA capacity there are 4 installed units (all for bldg. 400) and 1 spare. There is one installed 2000 kVA unit (bldgs. 800/300/200/100) and one installed 1500 kVA unit (bldgs. 500/900}. All these are made by Cooper Industries.
- For 480V to 120/208V there are many transformers, most of these are small, 75 kVA and under, and are located in the various buildings to service the lighting and receptacle panels.

Site Land Zoning

- Industrial, class code 0080.

Site Distributed Control System (DCS)

- The site process control system, based in building 900 control room, is connected to buildings 200 and 400 with fiber optic links (5 cabinets in building 400 and 1 cabinet in building 200). The fiber optic cable is multimode 62.5/125, attenuation 11 dB. The DCS is an Emerson Delta V system.

Site Utilities and Access

- Electrical service (35 kV) provided by Ameren.
- Natural gas pipeline service provided by Nicor.
- Telecommunications by Granite.
- Water and sewer service by the city of Ottawa.
- Rail service from CSX line via a spur branching to two (2) site buildings.

Inspections

- Site visits and inspections available by appointment only.
- This 17-acre (12 acres developed) site is in the **Ottawa Industrial Park** located on US Route 6 east of the municipality of Ottawa, Illinois.
 - **Interstate 80** is 2.5 miles north of the site via US route 6 and Illinois route 71.
 - **Chicago-Midway airport** is 72 miles northeast of the site.
 - **Chicago-O'Hare airport** is 82 miles northeast of the site.

Bidding Process

- Request a bidder packet from **David Winger** and **Brian Holland**.
- Bids for the complete facility are due by **Tuesday, July 28, 2020**.
- Bids should be submitted to **David Winger** and **Brian Holland**.

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