Welcome to Optima Chemical



CPhI Worldwide 2019

Who We Are

What We Do

How can Optima help YOU?



Technology

Capabilities

Manufacturing Plant







ORIGINS

- Manufacture of Sodium Tetraphenylborate
- Technology developed from PhMgBr
- Chemical Plant in Douglas, GA
- Constantly evolving since 1987





Technology

Capabilities

Manufacturing Plant







Technology Boronic Acids Grignard Metals & Organo Lithium Organometallics **Phosphines**

A global supplier of specialty chemicals, toll and custom manufacturing services.

Derivatives





Boronic Acids

Materials supplied to Pharma at:

- Discovery
- Phase I
- Phase II
- Phase III
- Commercial

...and other markets.





Manufacturing Plant

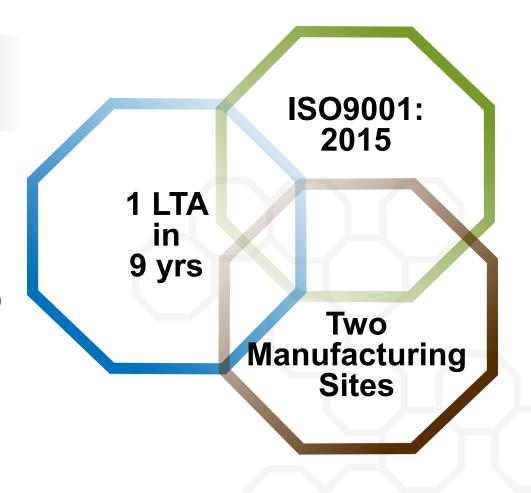
100,000 gallons capacity

 $50 \rightarrow 5{,}000$ gallons

 $-80 \text{ C} \rightarrow 250 \text{ C}$

FV **⇒**250 psi

- Dryers (filter, double cone)
- Glass / SS / Hastelloy
- Thermal oxidizer & Flare
- 50,000 sq.f warehousing
- Refrigerated storage

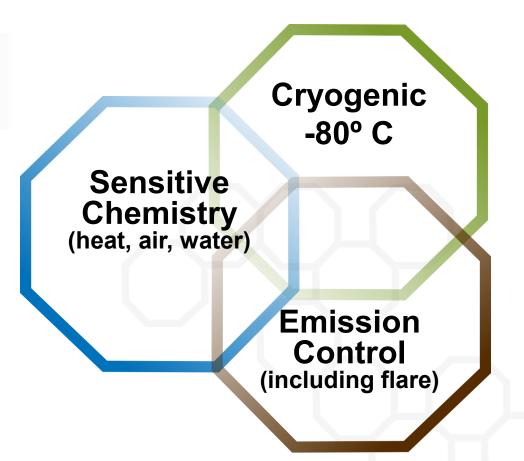






Capabilities

- High Hazard chemistry
- Moisture sensitive
- Air sensitive
- Pyrophorics handling
- Fractional Distillation
- Solids handling
- Biomass Extraction

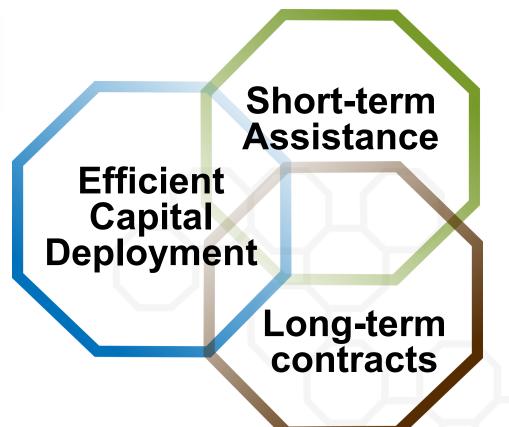






Development Services

- Process Engineering Expertise
- Modern R&D lab
- Kilo lab
- Pilot Plant
- Manufacturing Plant







WEST VIRGINIA

901 W DuPont Avenue Belle, WV 25015

- **★ 15 minutes from Charleston, WV**
- **★** Barge access to Kanawha River
- ★ Rail spur inside the facility

USA Facilities

+

GEORGIA

200 Willacoochee Hwy Douglas, GA 31535

- ★ Driving time to airports: Jacksonville, FL 2.0 hours Atlanta, GA 3.5 hours
- **★ 2.5 hours to seaports**



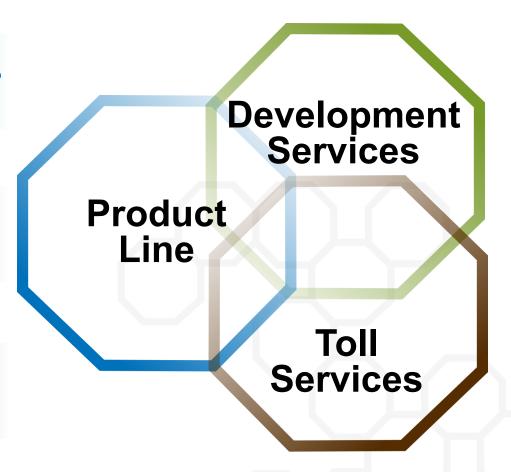




How can Optima help You?

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GEORGIA

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