



Manufacturer:
Fine Chemicals and Pharma Intermediates



- [Jay Finechem Private Limited](#) (previously Jay Chemicals) is a manufacturer of API Intermediates and Fine Chemicals catering to various industries like pharmaceuticals, electronics, specialty chemicals, etc.
- [Punagri Organics and Lifesciences Private Limited](#) is a sister concern to Jay Finechem and will soon be manufacturing Pharma Intermediates & APIs exclusively in its upcoming greenfield project in Vapi.

Both [Jay](#) and [Punagri](#) are wholly owned and managed by the Dama family.



Amrut Dama | CEO
IIT Mumbai,
Aeronautical Engg



Yogesh Dama | Director
University South Florida,
Chemical Engg



Shruti Dama | Director
University Southern California,
Industrial Engg



Naresh Dama | Partner

Our Journey

1989

First Factory Setup in Vapi under Jay FineChem



2000

Custom Research, Custom Synthesis & Contract Manufacturing Started



Punagri Organics Established as an export arm of Jay Finechem

1996



Jay starts manufacturing Pharma Intermediates

2010



2015

90% Indian Market captured for Key Pharma products



Planned commissioning of New Pharma Setup at Punagri

2024



Locations



Jay Finechem
GIDC, Vapi
(Operational)



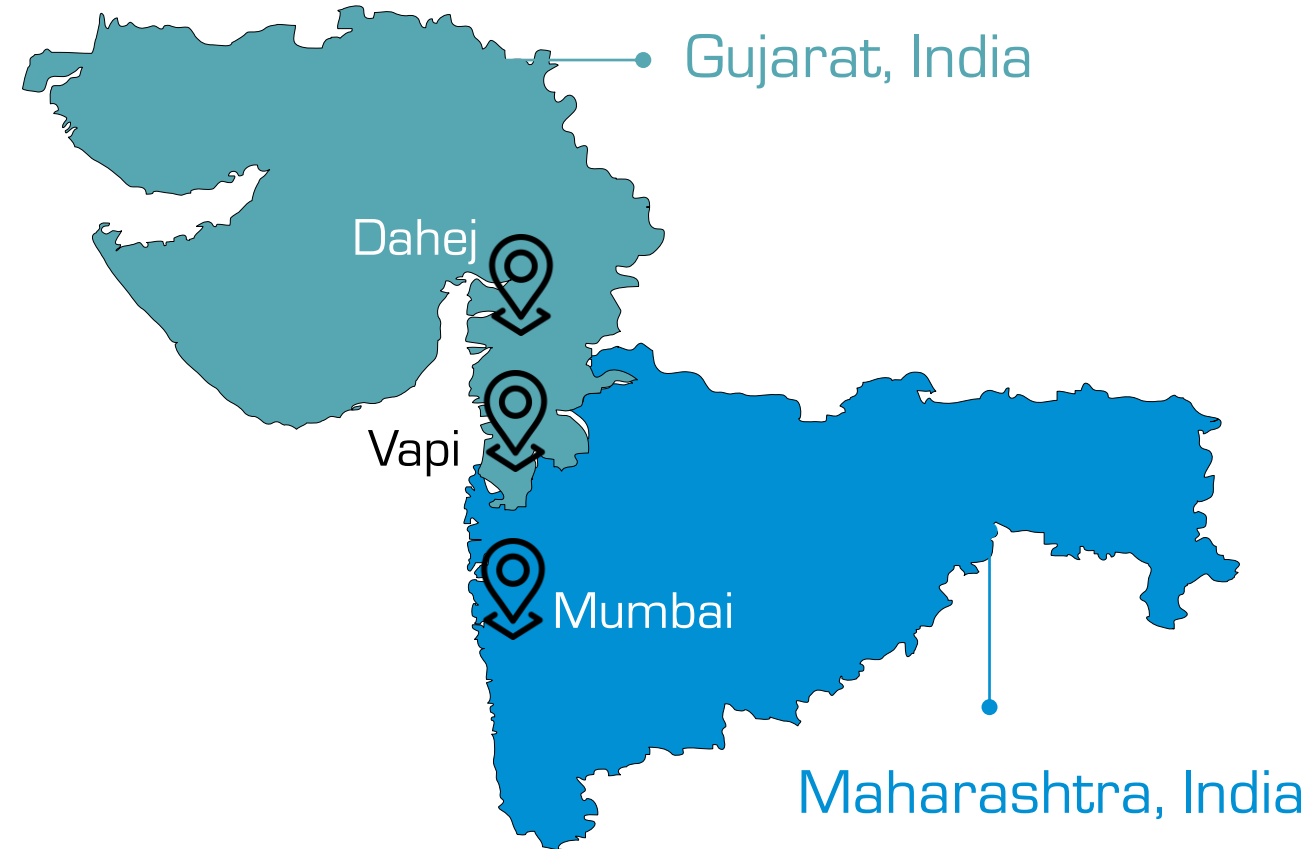
Punagri Organics
GIDC, Vapi
(Commissioning in 2024)



Punagri Organics
GIDC, Dahej
(Site for Future Expansion)



Head Office
Mumbai, India



- With an eye towards consistent & sustainable growth, we have acquired a 100,000 m² land in Dahej, Southern Gujarat. (Punagri, Dahej)
- After commencement of operations at Vapi (Punagri), we shall expand our Pharma Intermediates, API, and Fine Chemical manufacturing activities at this site.

Manufacturing Sites

JAY FINECHEM

 7000 m²
Area at GIDC Vapi



3 Commercial
Production Lines
One Line Exclusively for Pharma


300+
EMPLOYEES

Of the total employee strength,
15% are R&D & QA/QC
Scientists
and Engineers

30+
YEARS

of Experience backed by
strong technical team from
Premier Institutes

PUNAGRI ORGANICS

 10,556 m²
Area at GIDC Vapi



6 Commercial
Production Lines
For Pharma Intermediates & APIs

200+
PRODUCTS

Of the products developed,
many were without CAS
number

Manufacturing Sites

Jay Finechem and Punagri Organics' manufacturing facilities are located within the GIDC Vapi industrial zone, situated approximately 1 kilometer apart



Jay Finechem Plant



Projected Punagri Plant



Current Status - Punagri

Our Portfolio



Pharma Intermediates



Pigment Intermediates



Other Fine & Specialty Chemicals

- Diagnostic
- Pharma
- Plastics
- Electronics

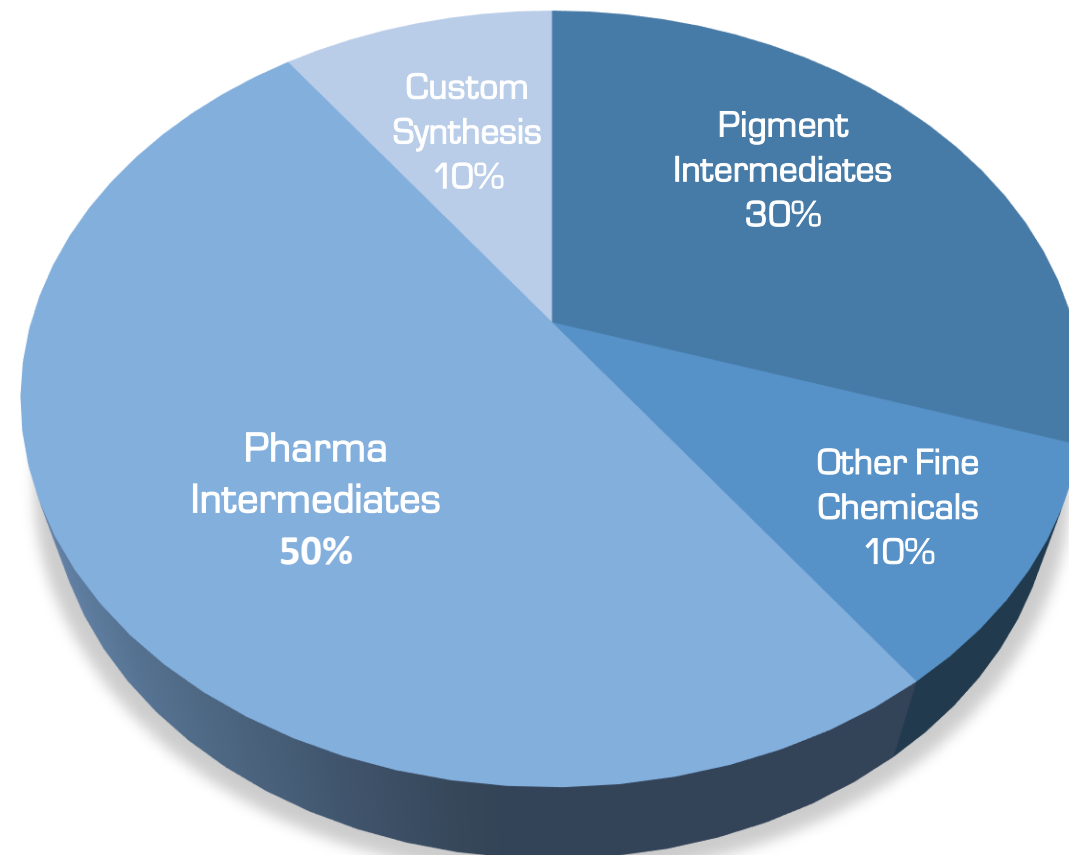


Custom Synthesis



Contract Research Manufacturing

Revenue



Our Exports

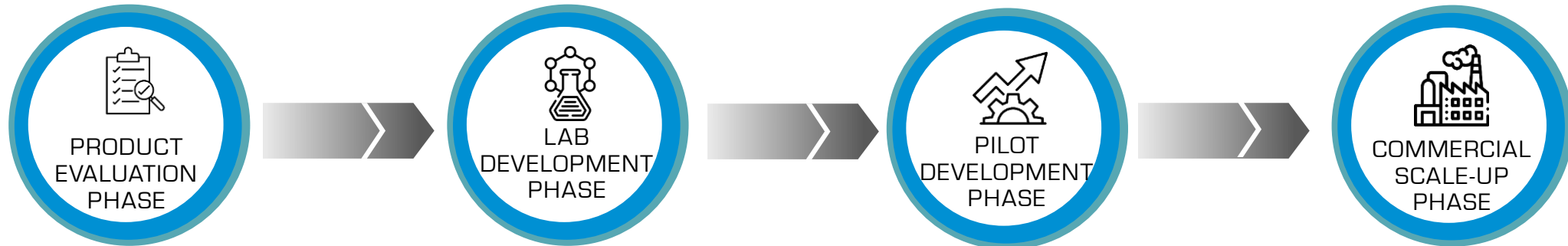
We are supplying Jay's products to our partners across the globe since 30+ years



Our Approach

- R&D is at the core of all our activities
- For **new product development**, we take a deep dive into the entire Product Life Cycle at every stage of development, while looking at:

- Analytical Method Development
- Wastewater Solutions
- Material Handling Concerns
- Quality Control Protocols



To support R&D, scale up and enable low volume manufacturing:

- Jay has a Kilo Lab & Pilot Plant
- Necessary equipment & infrastructure available for studying & processing effluents at all stages
- A cGMP Pilot Plant & cGLP lab planned in Punagri
- Clearance to manufacture up to **7 MT/month** of any product for R&D and Pilot Purposes at Punagri.

R&D, Analytical & QC

Our in-house Analytical lab includes, but is not limited to, the following equipment:

- Gas Chromatographs with autosampler & head space
- Quaternary Gradient HPLC systems with autosampler
- Binary HPLC System with Autosampler PDA & RI Detector and Fraction Collector
- UV/ VIS Spectrometer
- Flash Chromatograph
- Ion Chromatograph
- FT-IR
- UHPLC
- Lovibond Spectrophotometer
- Automatic Digital Melting Point Apparatus
- Karl Fisher and Automatic Potentiometric Titrator

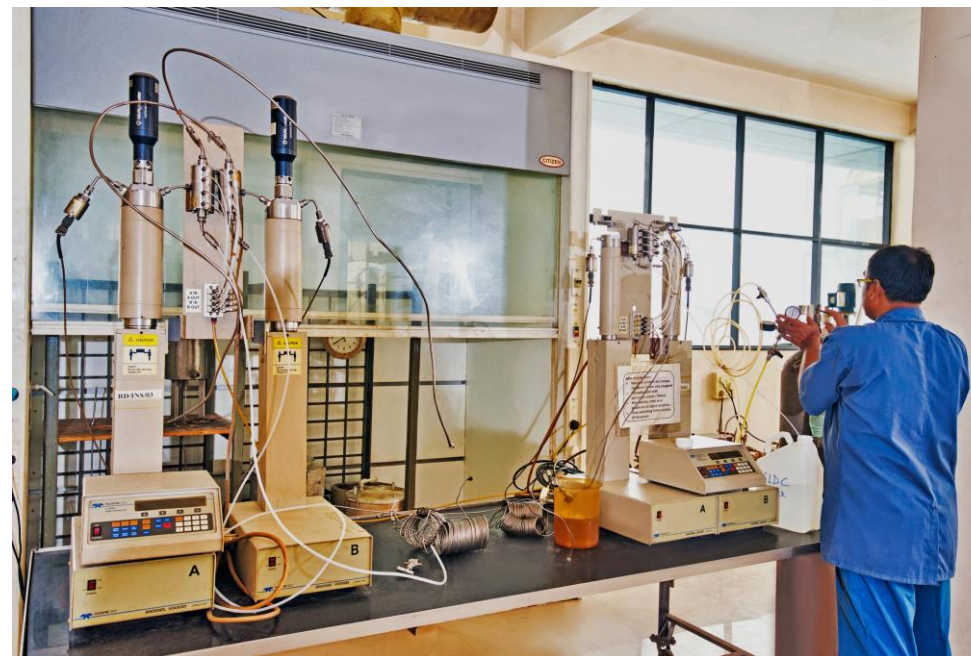
We have access to following advance analytical instruments:

- TGDTA
- DSC
- BET
- Particle Size Analyzer
- HPTLC
- AAS
- ICP-MS
- GC-MS
- XRD
- SEM
- NMR
- TGA
- LC-MS



Process Capabilities

- Acetylation
- Acylation
- Alkoxylation
- Amidation
- Ammonolysis
- Benzoylation
- Bromination
- Catalytic Hydrogenation/
Hydrogenolysis
- Chlorination
- Chlorosulphonation
- Condensation
- Cyclisation
- Cyclocondensation
- Dehydration
- Diazotisation & Hydrolysis
- Friedel-Crafts
- Grignard Reaction
- Hydroxymethylation
- Isomerisation
- Mannich Reaction
- Nitration
- n-Methylation
- Nitrosation
- O-alkylation
- Reduction
(Bechamp Reduction)
- Sulphonation /
Desulphonation



Jay Finechem

Reactors:

MSGL: 500 L to 8 KL capacity
Total Reactor Volume: 68 KL

SS316: 500 L to 12 KL capacity
Total Reactor Volume: 163 KL

PP/FRP: 500 L to 12 KL capacity
Total Reactor Volume: 48.5 KL

MS: 3.2 KL capacity
Total Reactor Volume: 9.6 KL

Reaction Temperature
5°C to 250°C

Reaction Pressure
Up to 10 kg/ cm²

Punagri Organics

Reactors:

MSGL: 100 L to 10KL capacity
Total Reactor Volume: 207 KL

SS316: 100 L to 10 KL capacity
Total Reactor Volume: 133 KL

Hastelloy: 250 L capacity
Total Reactor Volume: 250 L

Hydrogenators: 250 L to 5 KL
Total Reactor Volume: 10.25 KL

Reaction Temperature
-25°C to 250°C

Reaction Pressure
Up to 50 kg/ cm²

Clean Room Reactors:

MSGL: 250 L to 4 KL capacity
Total Reactor Volume: 4.25 KL

SS316: 250 L to 4 KL capacity
Total Reactor Volume: 4.25 KL

Reaction Temperature
-25°C to 200°C

Reaction Pressure
Up to 10 kg/ cm²

Punagri Plant

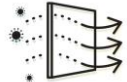
Environmental Clearance & all Relevant permits received



cGMP Pilot
Plant



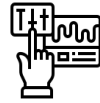
cGLP Lab



Clean Room



Catalytic
Hydrogenation



Flow Chemistry
Lab

Punagri is further supported by

- A full fledged QA/QC lab
- DCS System
- Underground Class A Solvent storage
- 185 KLD treatment plant (ZLD)
- Independent building for Hydrogenation

Jay Plant

Operational with a total capacity of 2250 MT/yr



Kilo Lab



Pilot Plant

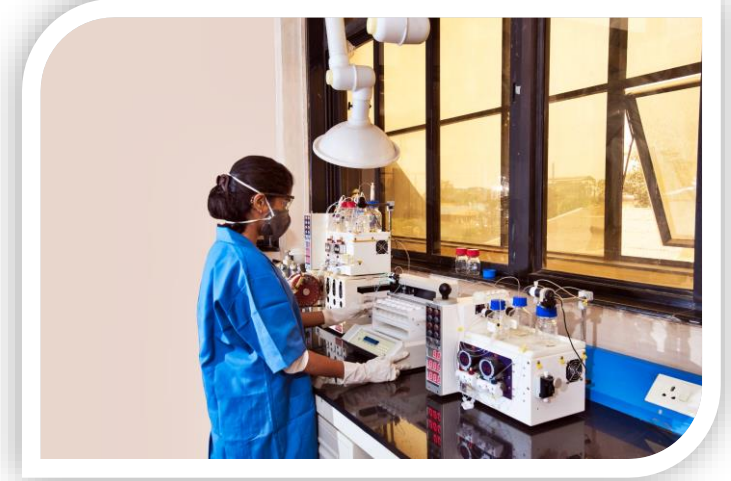
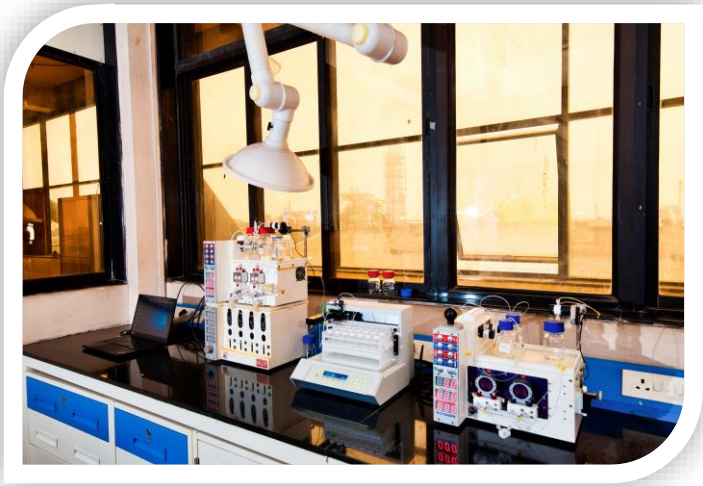


Commercial
Plant

Jay is further supported by

- Efficient scrubbing system and solvent recovery & recycle process
- Dedicated storage area for Pharma Intermediates
- Activated sludge based ETP - 75 KLD capacity
- Full-fledged ETP with Aeration tank - 350 KL
- Laboratory Waste treatment facility and analytics

In Pictures – Jay Plant Site



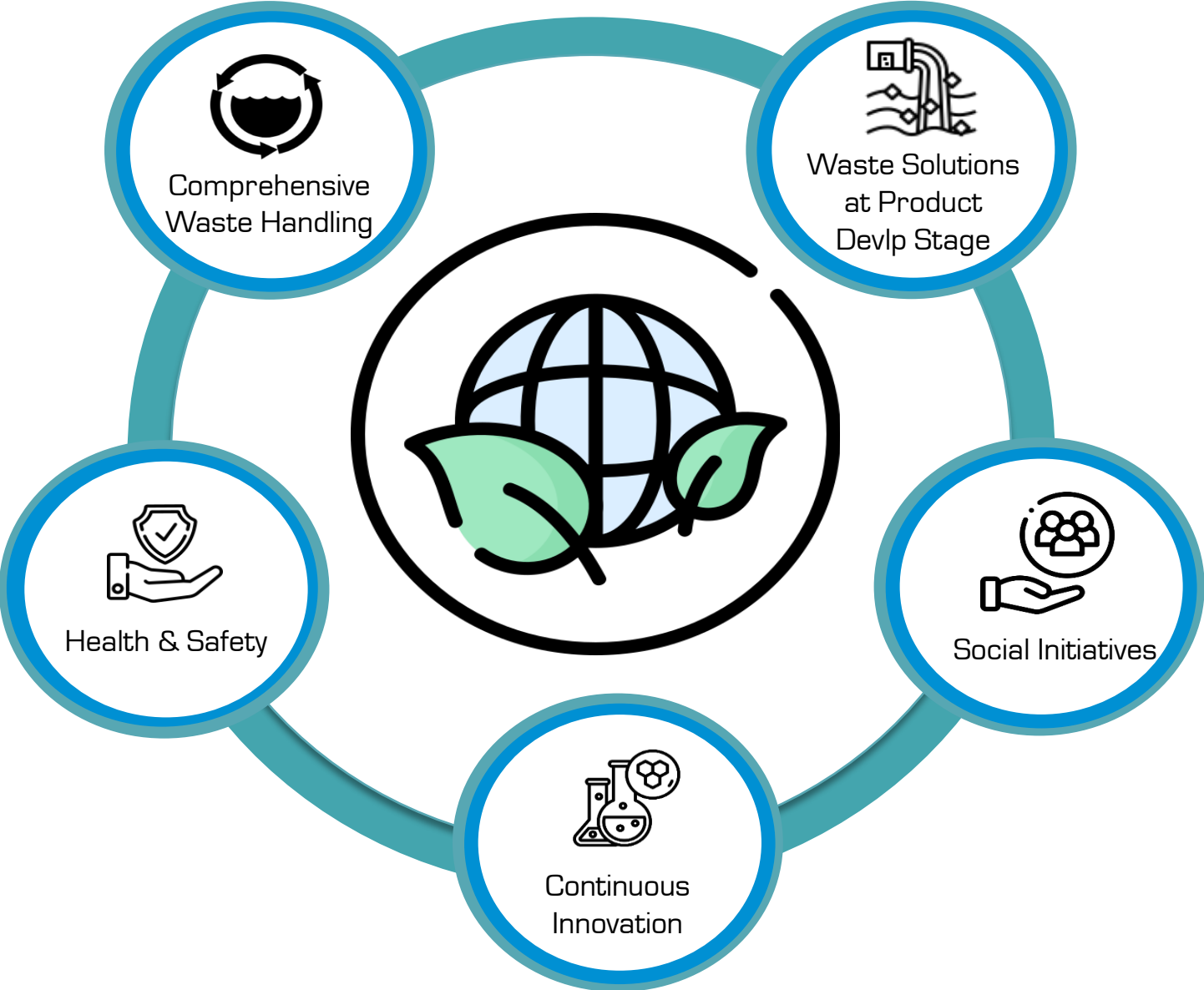
Upcoming Punagri Site



Upcoming Punagri Site



Sustainability



Fire & Rescue Training by Fire Department

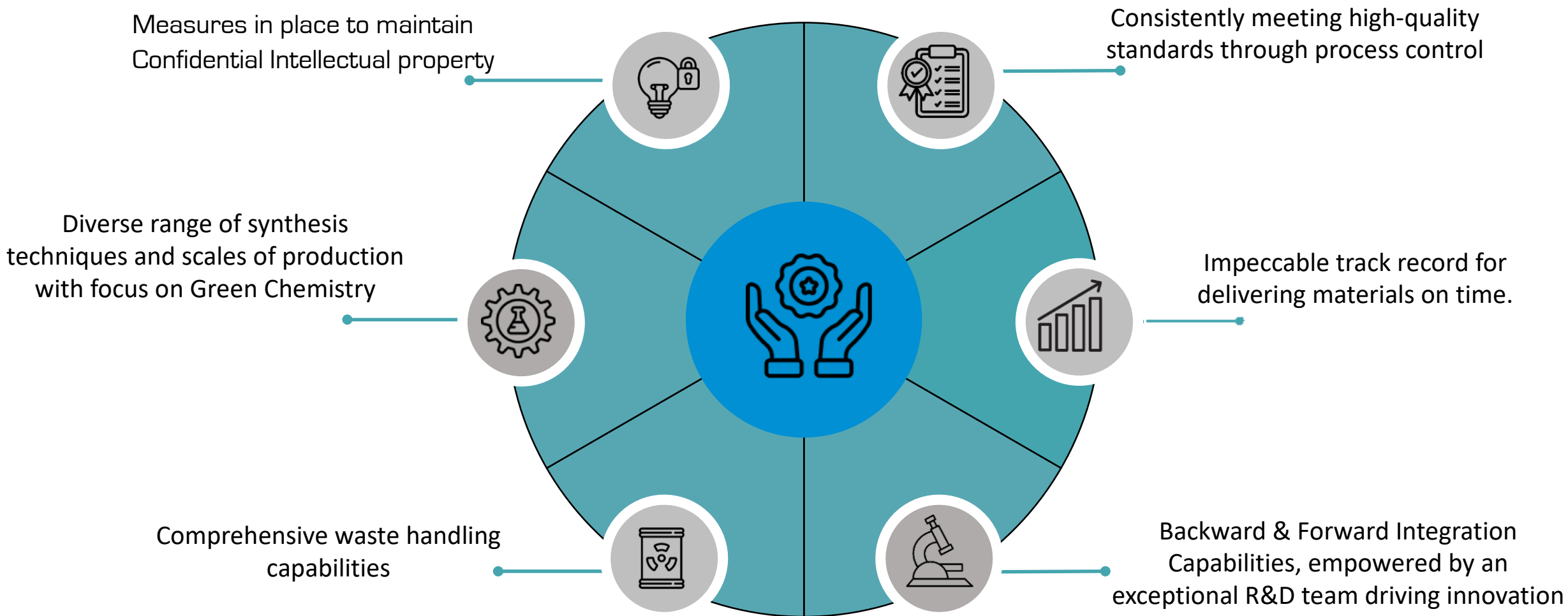


Chemical Handling Training by DISH



Blood Donation Camp at Jay

Our Forte

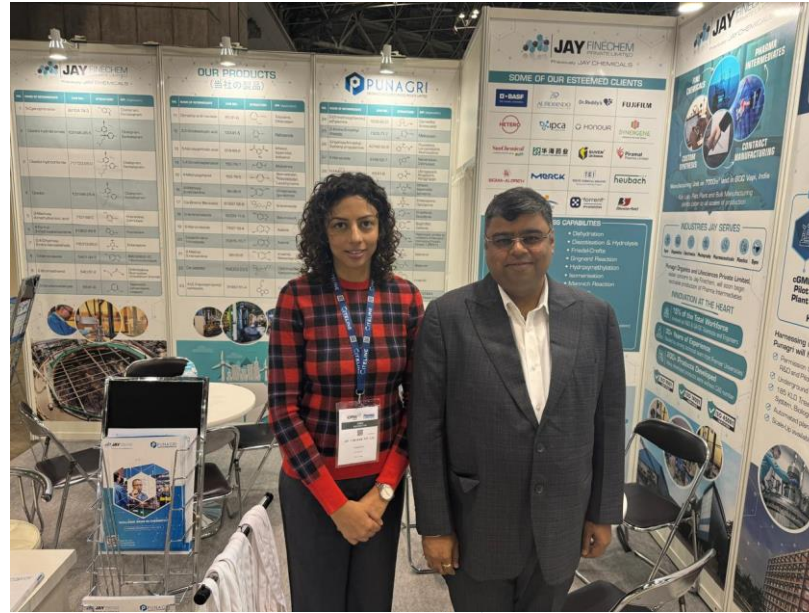


Thank You!



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VISIT OUR
WEBSITE

