

# **Corporate Presentation**

Cohizon Life Sciences Ltd.

***Partners in Progress***



Leading **CDMO** with  
**> 25 years** of  
manufacturing  
experience in  
**AgChem &  
SpecChem**



Long standing  
successful business  
relationship with  
**global innovator  
companies**



- Presence across key **regulated markets** - US, Europe & Japan
- **Export Oriented** Facility  
~94% business from  
International clients



- **Strong financial standing**
- CVC backing for  
future investments  
for growth



**Strict adherence to  
IPR, Customer  
Confidentiality &  
non-competing** with  
our customer

## Enriched Product Portfolio with Strong Pipeline

Strong presence across **life cycle management** including as under :

- **36 Commercial products**, out of which, 10 are patented
  - **7 AI's for AgChem**, out of which 2 are patented products
- **28 Under development products**, out of which, 11 are patented
- **21 Early-stage development**, out of which, 11 are patented

## Manufacturing Facilities

- **2** State of the art Manufacturing Sites - Ankleshwar, Gujarat
  - **7** Manufacturing Plants (18 Product Streams)
  - **Pilot Plant**; Recently Built
  - New **MPP**; Civil Foundation ready

## Research & Development

- **2** R&D Center - Navi Mumbai & Ankleshwar, Gujarat - India
  - **76+** Employee count
  - **12** PhD
  - **55** Masters

## Human Resource

- Employee Count : **887 (+380**  
Contractual Workers)



## CDMO - AGRO CHEMICALS

- Active Ingredients
- Advanced Intermediates



## CDMO - SPECIALTY CHEMICALS

- Electronic Chemicals
- Photo Initiators
- Dyes & Pigments
- Personal Care
- Plastic & Polymer Additives
- Intermediates & Building blocks for API in Pharma (Non-GMP)



## SPECIALTY CHEMICALS - PRODUCT BUSINESS

**DCTF and its derivatives** such as 2,3 CTF, 2,5 CTF, etc.

### **Pyrimidine Derivatives**

- 2,4-Diamino-6-chloropyrimidine
- 2,4,6-Trichloropyrimidine
- 2,4,5,6-Tetrachloropyrimidine
- ADMP Carbamate

### **Others**

- 2-Aminobenzamide
- 4-Nitro-2-sulphobenzoic acid monopotassium salt (2-NSB)
- 2-Aminobenzonitrile (2-ABN)
- 5-Bromonicotinic acid (5-BNA)

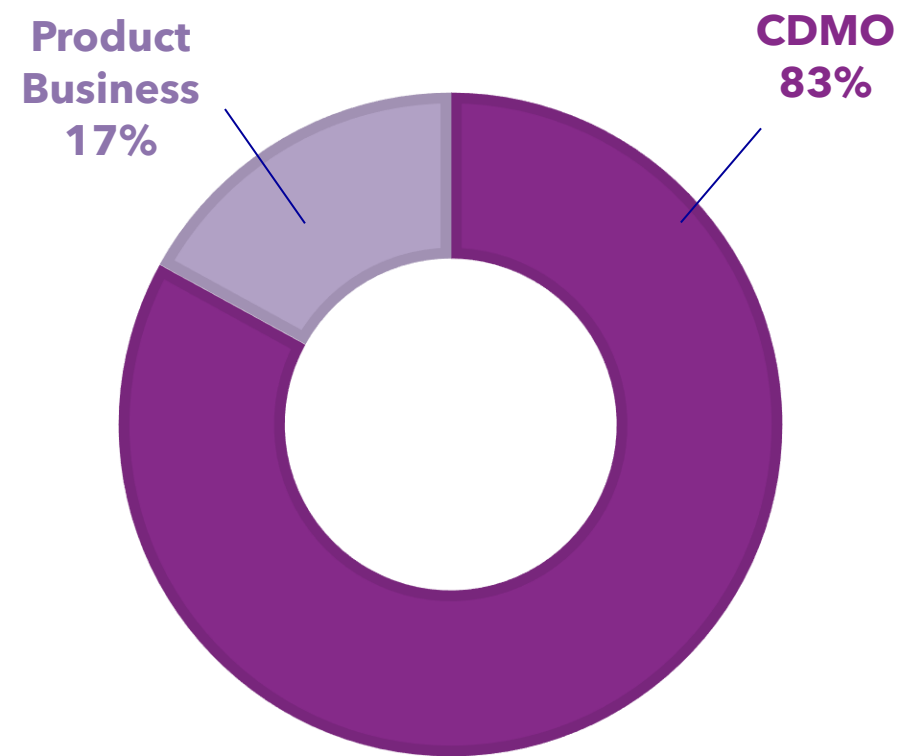


## CUSTOM R&D

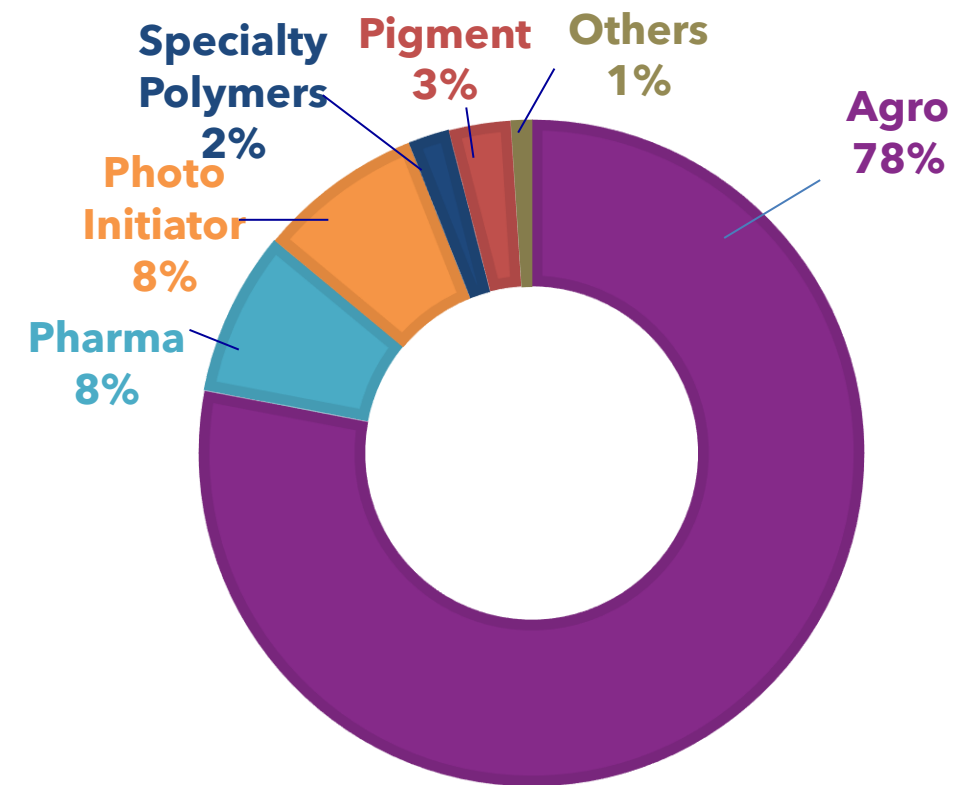
- **Lab Process Development** Services including Route selection/ Design
  - ✓ Process Safety Analysis & Data Generations
  - ✓ Analytical Services
  - ✓ Process Optimization
- **Kilo lab quantities** (up to 10s of Kgs)
- **Pilot Quantities** (100s of Kgs)

# Cohizon's Business Overview

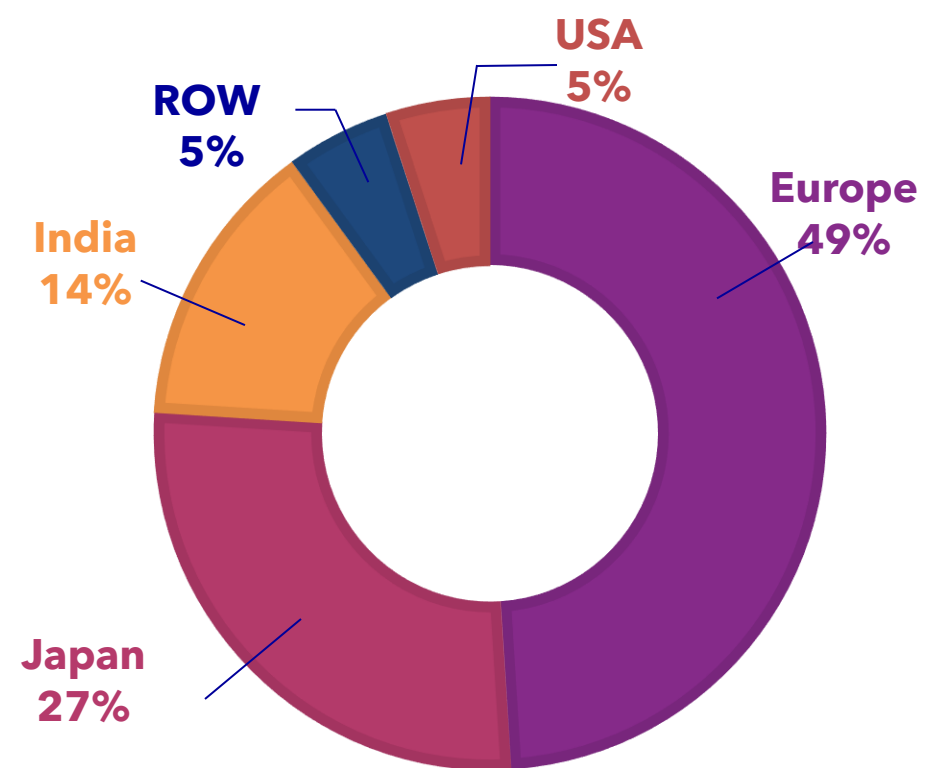
**CDMO vs Product Business**



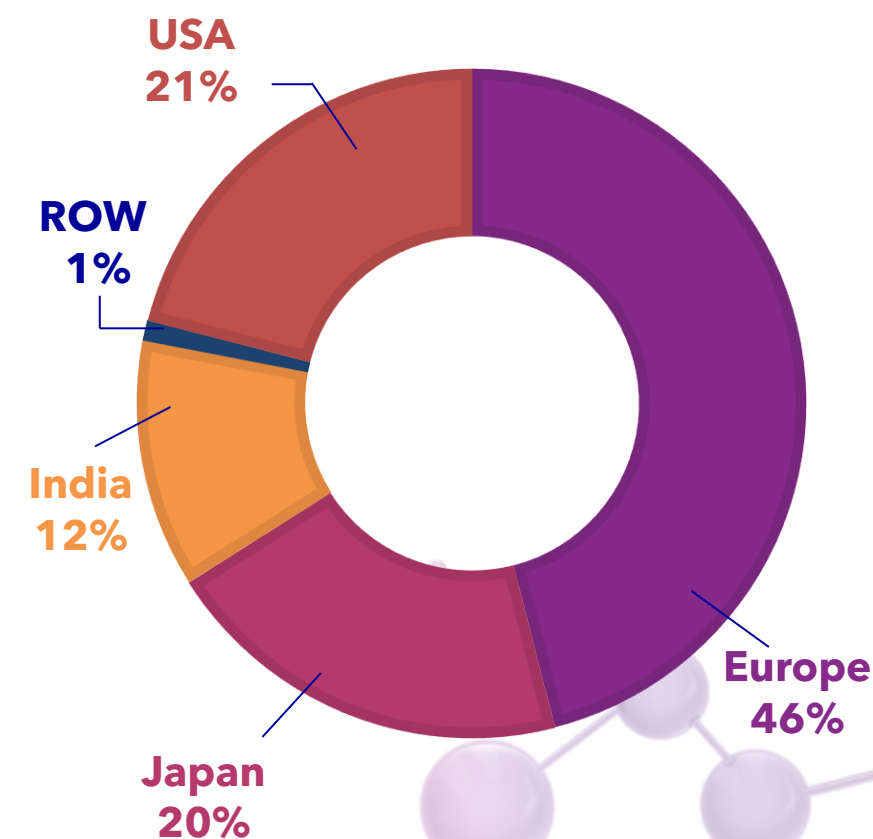
**Industry Segments**



**Geographical Presence as per Sales/ Invoicing**



**Geographical Presence as per Customer Base**



# Cohizon's Leadership Team



**Rajesh Srivastava**  
Managing Director & CEO

## Management Team



**Geetesh Ahuja**  
Chief Financial Officer



**C.B. Bhardwaj**  
Chief of Operations & Executive Director



**Dr. Gelebith Modi**  
Chief of R&D



**Vikas Gupta**  
Chief Supply Chain Officer



**Abhimanyu Sen**  
Chief Human Resources Officer

## Commercial Team



**Harshil Shah**  
Vice President - Business Development



**Vijay Todi**  
Vice President - Business Development



**Kushal Bhalla**  
Vice President - Business Development



**Yasuhiro Tomita**  
Representative



## Process Development and Scale -up

- Paper feasibility, Proof of concept & process optimization
  - Customer technical package
  - Inhouse technology development
- Scale-up services
  - Kilo Lab
  - Pilot trials
- Safety data generation - In house process safety lab
- IP retained by customer
- Commercial production commitment optional
- Engagement models
  - FTE (Full-Time Equivalent) or
  - FFS (Fee-for-Service)

## Large Scale Manufacturing

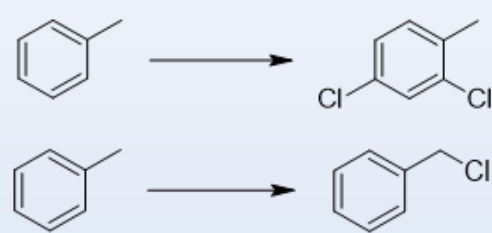
- Capacities available in existing plants (being multi-purpose) ensuring faster new product commissioning
- Additional capacities available of supporting infrastructure (Utilities & ETP)
- New Multi-purpose plant - civil foundation ready ensuring faster go-to market
- Land available to support long-term partnership opportunities
- Experience in product registration process incl for Agroactives
- Stringent adherence to cross-contamination SOPs
- **Continuous Cost Improvement** (Project Lakshya) - Our Commitment to consistently improve 'Cost' - leveraging cross-functional teams

# Extensive Portfolio of Chemistries at Lab Scale, with 30+ Scaled to Commercial Production

Cohizon's team has extensive experience of various chemistries including diazotization, fluorination with AHF, sulfonyl urea, halex, photochlorination, cyanation, grignard etc. and technologies like vapour phase reactions & flow chemistry.

## Chlorination

- Introduction of Chlorine



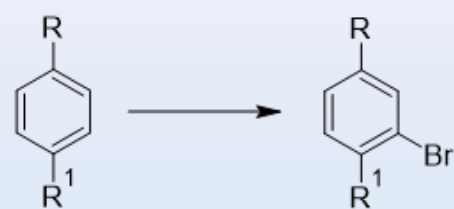
## Fluorination

- Using HF
- Balz-Schiemann Reaction
- Halex Reaction (using NaF, KF)

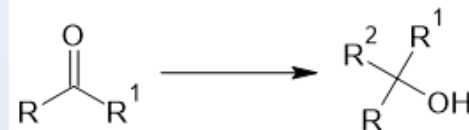


## Bromination

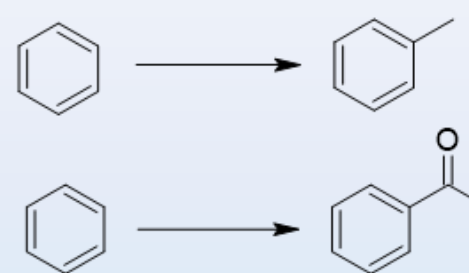
- Using Bromine, Aqueous HBr, HBr in Acetic Acid



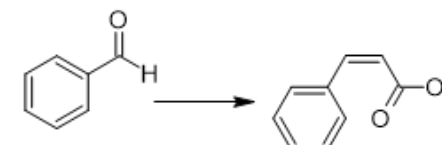
## Grignard Reactions



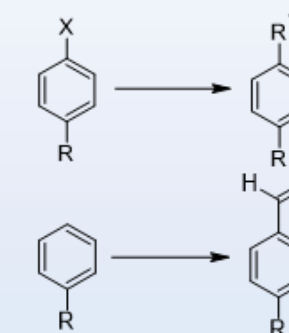
## Friedel-Crafts reaction



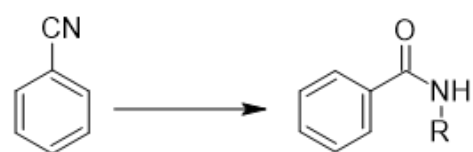
## Perkin Reaction



## Coupling Reactions



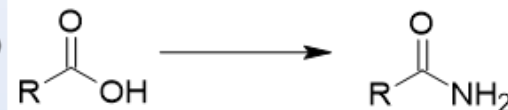
## Ritter Reaction



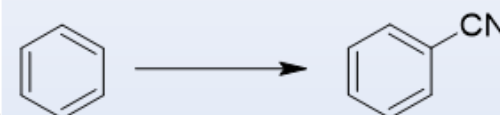
## Nitration



## Amidation



## Cyanation



## Diazotization and Sandmeyer Reaction



## Acid Chloride



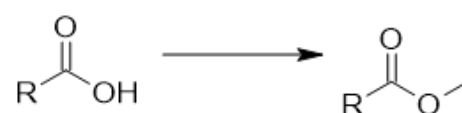
## Alkylation



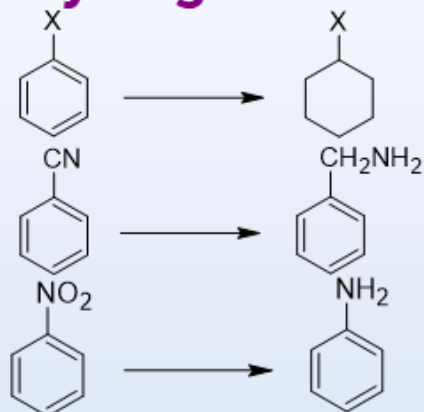
## Amination



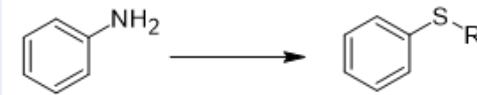
## Esterification



## Hydrogenation



## Sulfur Chemistry - thiolation



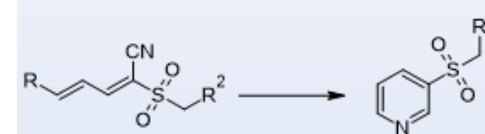
## Hydrazine Chemistry



## Phosgenation (triphosgene)



## Heterocyclic Ring Formation



# Overview of Research & Development



## SYNTHESIS LABS

4 labs with 48 fume hoods



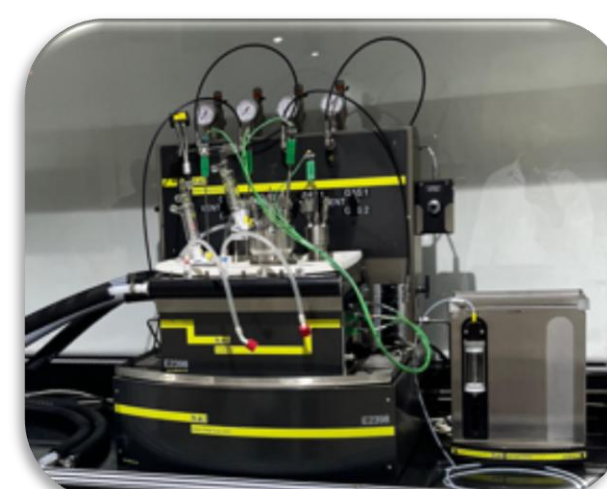
## FLOW CHEMISTRY LAB

Focused on cost-effective process development - Silicon carbide reactors, Vapour tech systems, ACR-ATR-AM technology, CSTR, etc.



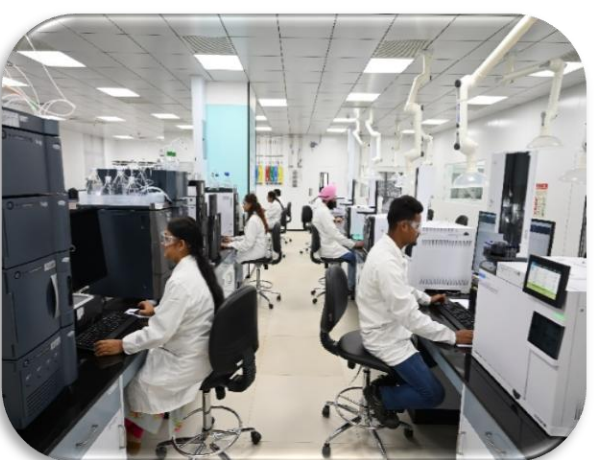
## HIGH PRESSURE & FLUORINATION LAB

6 high-pressure reactors of SS & H/C MoC, including 2 workstations for reactions with AHF



## PROCESS SAFETY LABS

Identifies potential hazards and assesses risks in chemical processes to prevent major incidents - DSC, RC and ARC available



## ANALYTICAL LABS

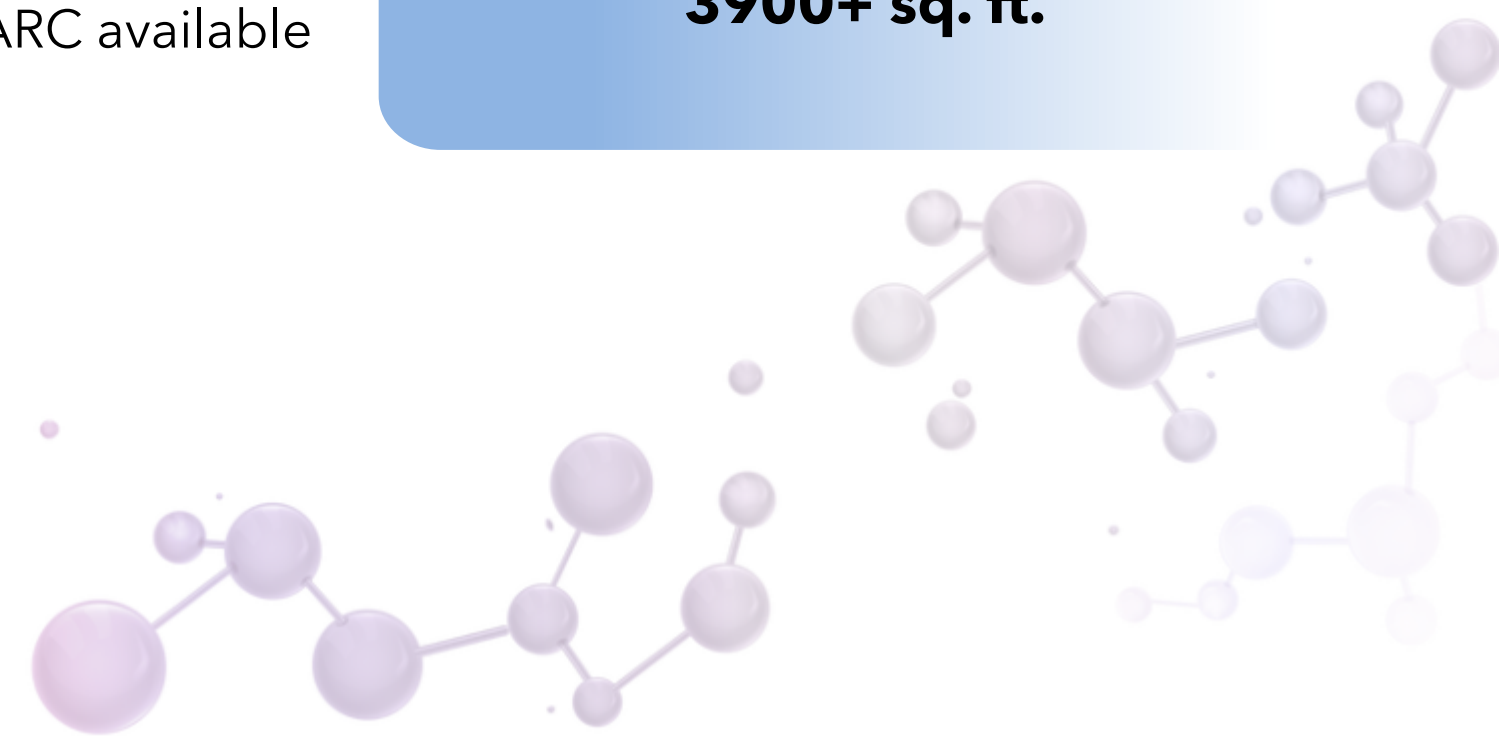
Advanced capabilities for analysis - HPLC, GCMS-HS, LCMS, ELSD, UPLCs, NMR, ICP-MS, **PSD** (for solid Liquid suspension form), **Ion Chromatography**, **Chromameter** Hazen color Value etc.

**Rabale, Navi Mumbai, India**  
Established a new state-of-art Research and Development Centre

**54,000+ sq. ft.**

**Ankleshwar, Gujarat, India**  
A dedicated R&D center for Tech Transfer & Plant support

**3900+ sq. ft.**



# Overview of Scale up capabilities

## SCALE UP LABS



- **Process Scale up Capability** - Validates process & emphasizes the necessity of simple, reproducible systems.
  - **Parallel Synthesizer** - Enabling the **simultaneous execution of multiple reactions**, accelerating **process development and optimization**.
  - **Jacketed Radleys lab reactors** ~ 1L, 2L & 5L

## KILO LABS



- **Kilo labs** - 2 labs - SCADA-enabled with automation & data logging.
  - **Glass reactor setup available** with different types of agitators ~ 30L, 50L & 100L
  - Capable of handling **high-viscosity products**
  - **Downstream facilities** including ANFD, Centrifuge & dryer for Filtration & Drying.
  - **All reactors are designed to operate** over a wide temperature range **from -30°C to 240°C**.
  - **Efficient high temperature, high vacuum distillation setup** for separating close-boiling components.

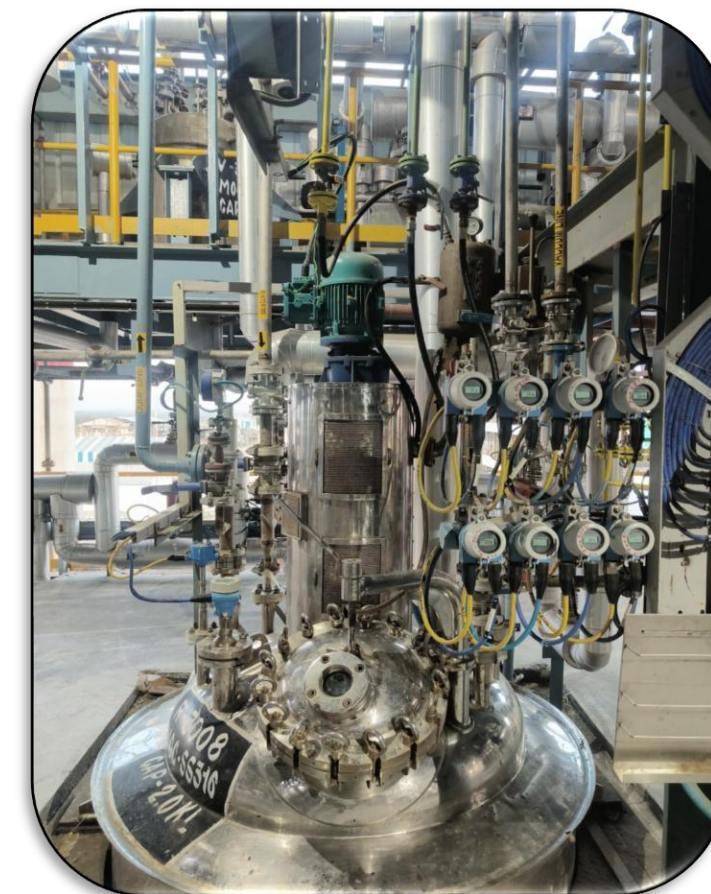
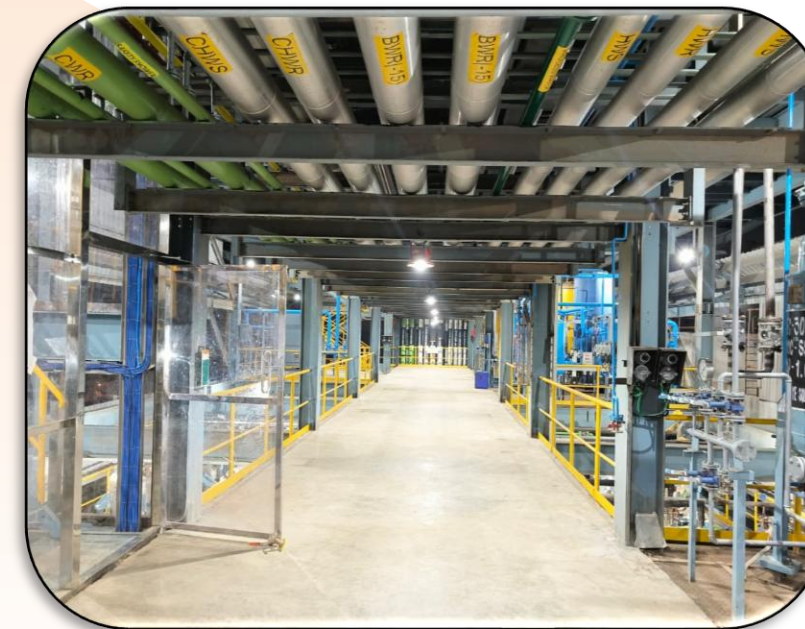
# Pilot Plant Facility

## Pilot Plant:

- **Reactor** - 20 Nos. 500L to 2KL ~ SS, MS GLR & Hastelloy reactors
- **Hydrogenator** - 1 No.
- **APND** - 2 Nos.
- **RVPD** - 1 No.
- **Centrifuge** - 2 Nos.
- **DCS and Automation**
- **Dedicated Utility:** Cooling water, Chilled Water, Chilled Brine (-15°C & -35°C)
- Gas Phase reactor (GPR)
- **Wide temperature range from -30°C to 240°C**

## Reactions Capability:

- High pressure synthesis
- Chlorination
- Fluorination
- Grignard Reaction
- Friedel-crafts Reaction
- Perkin Reaction
- Hydrazine chemistry
- Hydrogenation
- Coupling Reaction
- Diazotization and Sandmeyer Reaction
- Ritter Reaction
- Nitration
- Amidation
- Alkylation



# Manufacturing Facilities



## SITE 1

### PLANT A

7 product streams  
4000 TPA capacity  
87 reactors (1090 KL)

### PLANT B

4 product streams  
2800 TPA Capacity  
58 reactors (680KL)

### PLANT C

3 product streams  
5800 TPA Capacity  
45 reactors (400KL)

### PLANT D

1 product stream  
300 TPA Capacity  
9 reactors (130KL)

### PLANT E

1 product stream  
300 TPA Capacity  
3 reactors (40KL)



## SITE 2

### DCTF-1

1 product stream  
720 TPA capacity

### DCTF-2

1 product stream  
600 TPA capacity

### New Pilot Plant

14 Reactors  
2 Auto clave  
Sizes from 0.5 Kl to 2 Kl

### Upcoming Multi Purpose Plant

Civil Foundation ready for expedited plant construction

### Future Expansion

~ 34561 m<sup>2</sup> additional land available for future expansion



# Environment, Safety & Accolades



In 2024 - Engaged with DSS+ for **Safety Culture Transformation & Process Risk Assessment**



**ECOVADIS - Silver Certified**  
(Scored 75 in 2026 vs 70 in 2025)



Building a **zero-harm culture** through shared responsibility and visible leadership

Awarded **Responsible Care logo 2025** by ICC



Participated in **CDP Assessment 2024**; achieved **Score 'C' for Climate and Water Security'**



# Cohizon's Flexible Business Models



**End-to-End Contract Manufacturing** - Cohizon offers complete manufacturing solutions, either by developing the product using our technology or based on the **Customer's Tech Pack**

Under this model, customers may choose to:

- Supply raw materials and receive the finished product on a **Conversion Fee basis**, or
- Opt for a full-cost model, where Cohizon manages the raw material procurement and delivers the final product.



**Flexibility for molecule-level collaborations w/o paying fixed charges for new facility**

**Dedicated plant for Customer with 2-3 Products commitment of volumes at formula based pricing**

- **Portfolio-level flexibility**, with an indicative agreement on total business volume & flexibility to modify volumes of individual molecules within the portfolio
- **Operations & deliverables** to be managed by Cohizon



**Dedicated capacities leasing (virtually Customer's plant). Customer to pay fixed charges**

**Dedicated plant for Customer with investment and operations & maintenance by Cohizon but leased to Customer**

- **Levels of investment by Customer** can be explored
- **Lower CAPEX** leveraging Cohizon's local know-how & experience
- **Involvement in operations** as per Customer's comfort





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**Thank You**

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