



# BUSINESS PROFILE



# WHO **WE ARE**

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## Preferred Engineering Consultants for Pharmaceutical & Allied Industries

Experience  
25+ years



500+  
Projects

Presence  
30+ Countries



USFDA / UKMHRA / EMEA /  
ANVISA / TGA

100+ Approved  
Facilities

# Segments



**Formulations**



**API & Chemicals**



**Biopharma**



**Lab, R&D & Pilot Plants**



**Food, Beverages & Cosmetics**



**Nutraceuticals**



**Alternative Energy**



**Logistics & Warehouses**

# Vision

Become the world's premier, fully integrated one stop solution provider to the Pharmaceutical, Food, Healthcare and Personal Care industries.

# Mission

- Provide reliable professional services to our customers meeting international standards of current good engineering practices.
- Forging mutually beneficial and lasting relationship with our clients and partners
- To recruit qualified & competent manpower in order to achieve the business goal, i.e. to have right people at right time with right mix of skills.
- Developing our staff to deliver the highest quality of service and seek innovative & creative approaches towards problem solving.



**R. S. Swaminathan**

Founder & Managing Director

# Values

## Integrity -

Respect your words and do what you say

## Mutual Respect -

Treat every individual with respect and dignity. Give respect and command respect.

## Team Work -

One for all and all for one.

## Customer Focus -

Customer is King, if we don't meet his expectation, someone else will.

## Innovation -

Thinking out-of-the-box to generate new ideas and add value.

## Quality Conscious -

First time right.



**“No two Pharmaceutical plants are similar and our designs are intelligent enough to understand the differences.”**

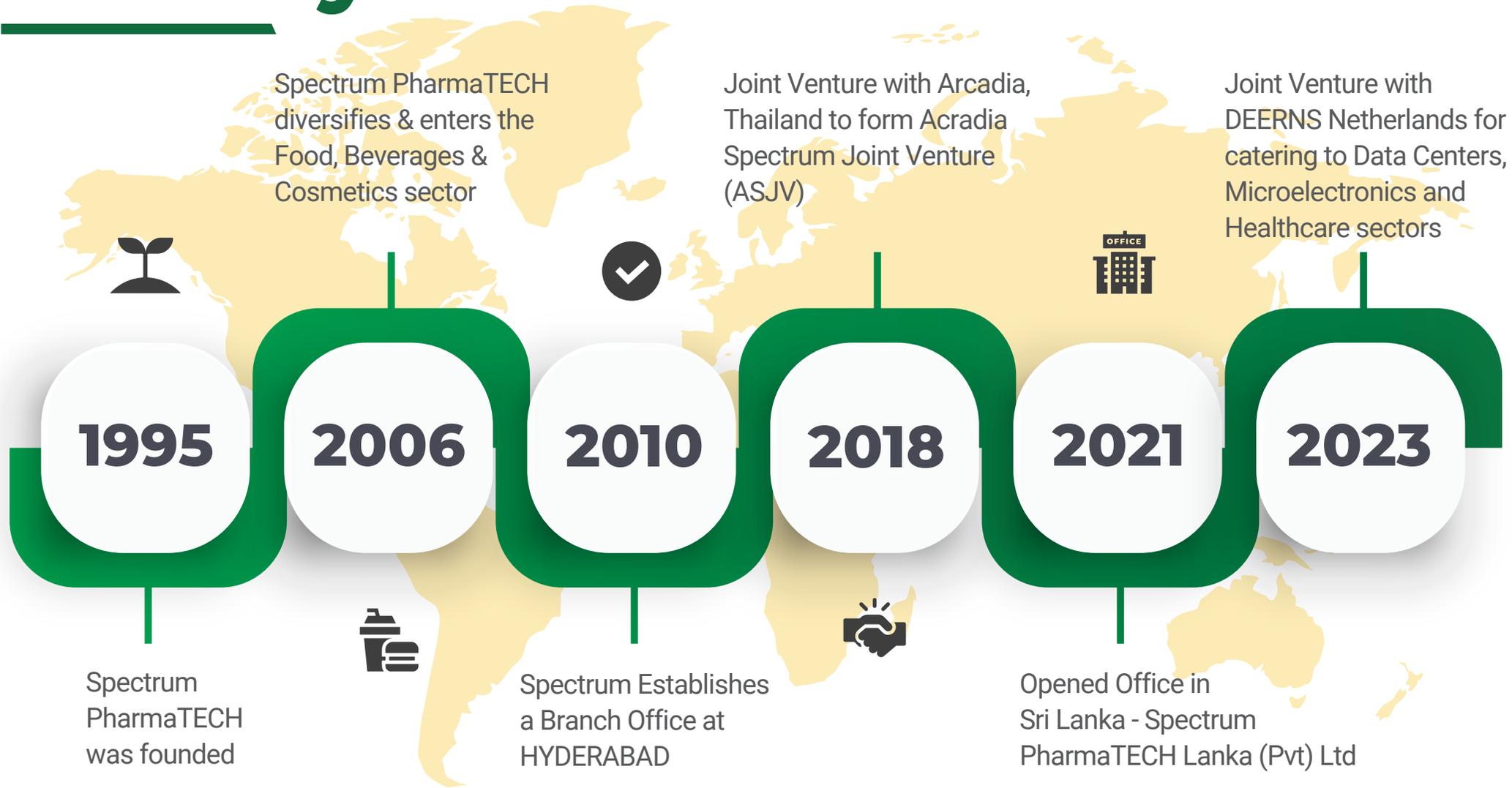
**Aniruddha Parmar**  
Deputy Managing Director



**“Our design philosophy helps us create facilities at optimum costs that stand the test of usage and time. We are committed to create safe and green work places.”**

**Ajit Kadam**  
Director - Operations

# OUR History

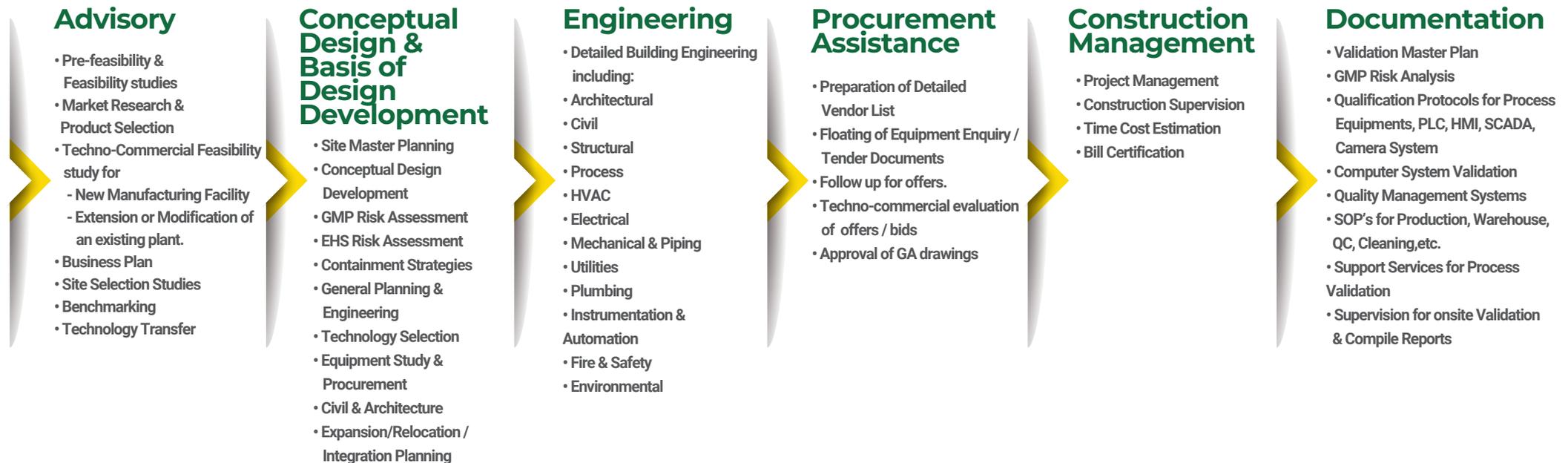


## Our Partners Globally:



# WHAT WE DO

One stop solution to all your  
Pharma Project requirements



## WE FOLLOW

- Baseline Engineering guides by ISPE
- ISO-14644 – Design of Clean Room and Controlled Environment
- US FDA
- UK MHRA / EU
- SOUTH AFRICAN MCC

- AUSTRALIAN TGA
- PIC/S
- BRAZILIAN ANVISA
- WHO GMP
- INDIAN SCH-M

- MOCRA
- FSSAI
- HACCP

# EPC

YOU DREAM IT,  
**WE MAKE IT**

End to End Solutions for Your Business

**We can deliver one-stop EPC (Engineering, Procurement & Construction) solutions.**

Turnkey Advantage -

- Single Point Responsibility
- Faster Project Delivery
- Reduce Owner Burden
- Guarantee on pricing



**HVAC SYSTEMS**



**CLEANROOM EQUIPMENTS & SS FURNITURE**



**FILLING & PACKAGING SOLUTION**

**LAB FURNITURE & TESTING CHAMBER**



**CLEANROOM**



**GENERATION & DISTRIBUTION**



**PROCESS MACHINERY**



**ASEPTIC FILLING SOLUTION**



**PEB & CIVIL CONSTRUCTION DOCUMENTATION & VALIDATION**



# FORMULATION EXPERTISE

We believe that design of finished dosage form facility is more of an art than just pure engineering and science.

It requires a clear understanding of not only the process but also requires consideration of cGMP regulations, regulatory compliance, local statutory norms, quality management and special care for cross contamination, gowning, EHS, cleaning, air flow control and water purification.

Spectrum has successfully executed 300+ formulation facilities of various dosage forms listed below -

- Oral Solid Dosage
- Oral Liquid Dosage
- Injectables
- Dry Powder Injectables
- IV Solution
- Ointments
- Creams & Lotions
- Eye, Ear & Nasal Drops
- Metered Dosage Inhalers
- Soft Gelatin Capsules



**BDR PHARMA – GENERAL/ONCOLOGY OSD & INJECTABLE FACILITY AT VADODARA, INDIA**



**TROIKAA PHARMACEUTICALS – INJECTABLES FACILITY AT AHMEDABAD, INDIA**



**GRANULES INDIA – OSD (MUPS) FACILITY AT HYDERABAD, INDIA**



**TORRENT – ONCOLOGY OSD FACILITY AT AHMEDABAD, INDIA**



**PHARMAX – OSD FACILITY AT DUBAI, UAE**



# BIOPHARMACEUTICALS EXPERTISE

Spectrum has rich experience in designing and assisting in selection of high-end process equipment of upstream, downstream and filling sections for the biologics and fermentation-based API manufacturing facility

We consider the biosafety level of the product and facility during designing adhering to BSL-2 & BSL-3 standards. We have executed vaccine projects of several types like inactivated virus, live attenuated, and viral vector.

Experience in setting up below facilities -

- Biologics API
- Insulin Manufacturing
- MAB'S Manufacturing
- Biosimilar API
- Human & Animal Vaccines
- FMD Vaccines
- Probiotics
- Biologics Lab



**BIOLOGICAL E – VACCINE FACILITY AT HYDERABAD, INDIA**



**FERMENTA BIOTECH – VITAMIN D3 FACILITY AT DAHEJ, INDIA**



**PSK PHARMA – MAB'S FACILITY AT MOSCOW, RUSSIA**



**YAPAN BIO – PILOT SCALE GMP MAB'S & VACCINE FACILITY AT HYDERABAD, INDIA**



**STELIS – VACCINE FACILITY AT BENGALURU, INDIA**



# APIs & CHEMICALS EXPERTISE

Process engineering expertise holds the success behind setting up state-of-the-art API & Fine Chemicals Facilities. We understand client's process needs and design the facility considering the critical process reactions at high temperature or high-pressure with all the safety standards like SHE, HAZOP etc. We provide detail P&ID, PFD, Material Data Sheets for all the major equipment and ancillary items. We have in house instrumentation team to design the DCS system and the instrumentation philosophy which requires in depth process knowledge

Experience in setting up below facilities -

- Generic API
- Hi-Potent API
- Sterile API
- High-Temperature and High-Pressure reactions
- Solvent Recovery Plants
- Specialty Chemicals
- API / Intermediates
- Fine Chemicals
- Hydrogenation, Halogenation Reactions



**CADILA – MULTIPRODUCT  
API FACILITY AT VADODARA, INDIA**



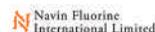
**ALMELO – MULTIPRODUCT  
API FACILITY AT HYDERABAD, INDIA**



**BIOCON – ONCOLOGY API FACILITY  
AT VISAKHAPATNAM, INDIA**



**SAI LIFESCIENCES – HI-POTENT  
API FACILITY AT BIDAR, INDIA**



# LAB, R&D & PILOT PLANTS EXPERTISE

Spectrum can develop ergonomic designs of the workspaces and the laboratory furniture without compromising on the functional and safety requirements of laboratories.

Our design development work for the laboratories include design of functional spaces, utilities generation and distribution network, high purity gas system, exhaust systems, fume hoods, HVAC, Electrical, Fire protection, explosion proof, safety systems like eye wash and shower, special handling and storage systems for flammable and toxic chemicals, reagents and solvents, design of material handling system for high-potent and biohazard materials, design of laboratory wastes and effluent deactivation and treatment systems.

Experience in setting up below facilities-

- Product Development Lab
- Microbiological Lab
- Analytical Lab
- API Kilo Lab
- Biologics Lab
- Hi-Potent Lab
- Food Lab



**KUSUM PHARM – ANALYTICAL LAB  
AT SUMY, UKRAINE**



**ABBOTT – PRODUCT DEVELOPMENT  
LAB AT MUMBAI, INDIA**



**MERCK – R&D FACILITY  
AT MUMBAI, INDIA**



**MANGALAM ORGANICS – CAMPHOR  
R&D LAB AT KHOPOLI, INDIA**



# FOOD, BEVERAGES, COSMETICS & ALTERNATIVE ENERGY SECTORS

Spectrum has the experience and expertise to design and engineer facilities that require a clean environment. Be it the Pharma or the Food & Beverage Industry. Spectrum has worked with leading Indian and Multinational Food, Beverages and Cosmetics Manufacturers.

The projects engineered by Spectrum are designed to conform to the Guidelines by International Regulatory authorities such as FSSAI, HACCP, cGMP, HAZOP, HALAL, MOCRA & FDA standards. Spectrum understands the nature of the product and the storage conditions required for both raw materials and finished goods for such industries.

Recently, Spectrum has also designed and executed projects for leading players in the Solar Energy Industry.

A very important aspect of engineering for any kind of industry is Warehousing solutions. Spectrum has a vast experience in setting up warehouses and regional hubs for allied industries as well.

Spectrum has an experience in setting up:

- Food & Beverages Facilities
- Cosmetics Facilities
- Solar Cells & Panel Manufacturing Facilities
- Packaging Industries
- Logistics and Warehousing Solutions



**DANONE – MILK POWDER & YOGURT MIX FORMULATION FACILITY AT HARYANA**



**DR. REDDY'S LAB – ASRS BASED WAREHOUSE AT VISHAKHAPATNAM, INDIA**



**EMAMI – COSMETIC MANUFACTURING FACILITY, GUJARAT, INDIA**



**HCCB – ASSP LINE EXPANSION, BENGALURU, INDIA**



**WAREE – SOLAR CELL MANUFACTURING FACILITY AT GUJARAT, INDIA**



# OUR **CLIENTS**

## **FORMULATION**

- AET Lab
- Abbott Healthcare
- Abode Biotech
- Acebright Pharma (Arizest Pharma) India
- Adora Products
- Aj Biologics
- Alidac Pharmaceuticals
- Apex Laboratories
- BDR Pharmaceuticals International
- Beximco Pharmaceuticals
- Biological E. Limited
- Bliss GVS Pharma
- Corona Remedies
- Dal Medical Services
- Danone
- Democedes
- Dr. Reddy's Laboratories
- DSM
- Empact Capital LLC
- Emami
- Glenmark Pharmaceuticals
- Granules India
- Graviti Pharmaceuticals
- Healthcare Formulations
- Helvoet Pharrna
- Hetero labs (Annora)

- Himalaya Drugs
- Intas Pharmaceuticals
- JSC Pharmasyntez
- Jamp India Pharmaceuticals
- Jizhong Pharma
- Johnson & Johnson
- Kusum Healthcare
- Les Laboratories Neapolis
- Levim Lifetech
- MSN Laboratories
- Medica Pharmaceuticals
- Mepro Pharmaceuticals
- Novast Laboratories
- PAR Pharmaceuticals
- Pharmax Pharmaceuticals
- Pigeon Consmer Care Products
- Popular Pharmaceuticals
- Raichem Life sciences
- Regal Pharmaceuticals
- RN Vision Biopharma
- Rus Biopharma (PSKPhama LLC)
- S Kant Healthcare
- Sanzyme (Formerly known as Unisankyo)
- Square Pharmaceuticals
- Stallion Laboratories
- Syngene International
- Torrent Pharmaceuticals
- Troikaa Pharmaceuticals
- Ultratech India
- Vidur Human Care
- Yaden Laboratories

## **LAB, R&D & PILOT PLANTS**

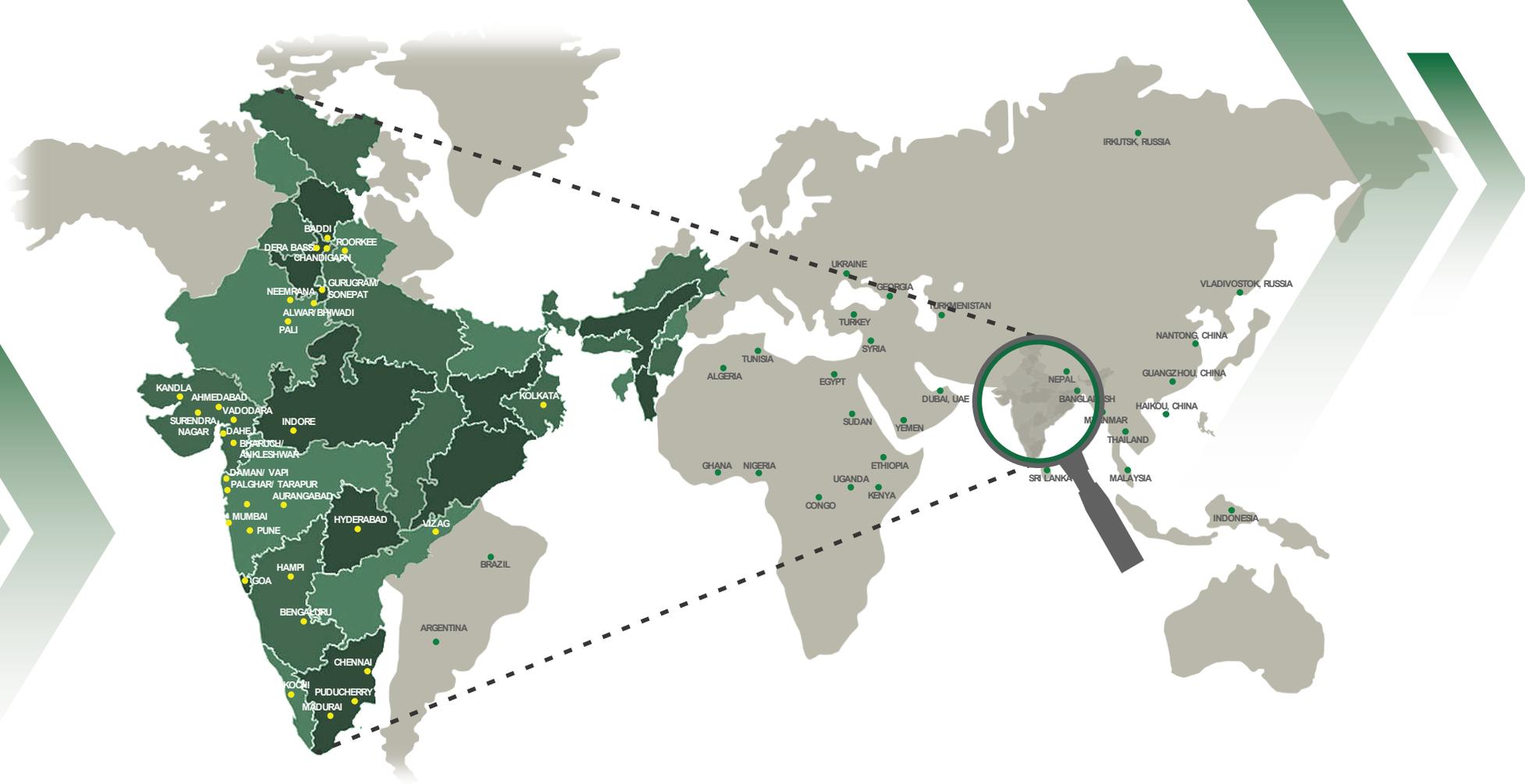
- Abbot India
- Abbott Healthcare
- Abhayam
- Agape
- BDR Pharmaceuticals International
- Celon Laboratories
- Dandu Biosciences
- Enaltec
- GVK - Inogent laboratories
- Granules Life sciences
- Himalaya
- Jamp India Pharmaceuticals
- Jubilant Ingrevia
- Johnson & Johnson
- Lupin
- Mangalam Organics
- Mankind Pharma
- Merck Specialities
- Mylan
- Novartis Healthcare
- Par Pharmaceuticals
- Perfect Day India
- Perrigo Laboratories India
- Promed Research
- SRF limited
- Sarvotharn Care
- Shilpa Laboratories
- Syngene International
- The Waterbase
- US based MNC (Confidential Client)
- Watson India
- Yapan Bio
- Zydus Cadila

## API & CHEMICALS

- AB Mauri
- Actavia Pharmaceuticals
- Alivira Animal Health
- Alkem Laboratories
- Almelo Chemicals
- Amrutajan Healthcare
- BASF Coating (India)
- Biocon
- Biological E
- Bioxera Labs
- Cadila Healthcare
- Chemino Pharma
- Doshion Veolia Water Solution
- Dr. Reddy's Laboratories
- EVA Pharma
- Embio
- Emcure Pharmaceutical
- Enaltec Labs
- Fermenta Biotech
- Glenmark Generics
- Granules India
- IBN SINA
- K. Patel Lifesciences
- Kores India
- MSN Laboratories
- Mac—Chem
- Navin Fluorine International
- Omni Active Health
- PAR Active
- Piramal
- Pheromones Biotech LLP
- RPG Life Sciences
- Reliance Life Sciences
- SAPPL
- SRF
- Sai Life Sciences
- Sanzyme
- Sterling Biotech
- Surya Medicare
- Suven Life Sciences
- Tex Biosciences
- Therapiva Private
- Troikaa Pharmachem
- Uni Remedies
- Wockhardt
- Zenfold Sustainable Technologies

## BIOPHARMACEUTICALS

- AB Mauri
- Adobe Biotech
- Aspiro Pharma
- Beximco Pharmaceuticals
- Bharat Serums (Kasiak Research)
- Biological E
- Dandu Biosciences
- Fermenta Biotech
- Indian Immunologicals
- LLC PSK Pharma
- Lazuline Biotech
- Levim Lifetech
- MSN Laboratories
- Perfect Day India
- Sanzyme
- Stelis Biopharma
- Tex Biosciences
- Wockhardt
- Yapan Bio
- Zydus Biologics



**Head Office, 302B, Dosti Pinnacle, Road No. 22, Wagle Estate Thane(W)- 400604| Maharashtra | India.**

Branch Office, 808, 8th Floor, Manjeera Trinity Corporate, Beside Manjeera Mall, JNTU - Hi-tech City Road, KPHB | Hyderabad|Telangna-500072| India



**PETS, Bangladesh**

House # 9 (2nd Floor), Road # 12, Sector # 11, Uttara,Dhaka-1230, Bangladesh



**Arcadia Spectrum Joint Venture**

944 Room S25063, 25th Floor, Mitrtown Office Tower, Samyan Mitrtown Project, Rama IV Rd, Wang Mai,Pathum Wan, Bangkok 10330 Thailand



**PT Melchers Melindo,**

Puri Indah Financial Tower Lantai 1 – Unit 03  
Jl. Puri Lingkar Dalam Blok T-8  
Jakarta Barat 11610, Indonesia



**MEACO, Egypt**

Gamal Abdel Naser street, 8 district, Alnasr buildings (section 14), before family land compound, Block 30, building 3, Flat 1, 6-October. Giza, Egypt



**Spectrum PharmaTECH Lanka (Pvt) Ltd**

135B 1/1, Rajagiriya Road, Rajagiriya, Sri Jayawardenepura Kotte, Sri Lanka.



**CREPRO (Algeria & Tunisia) Sousse, Tunisia**

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Think...Challenge...Explore...Create...Exceed