

GROWTH





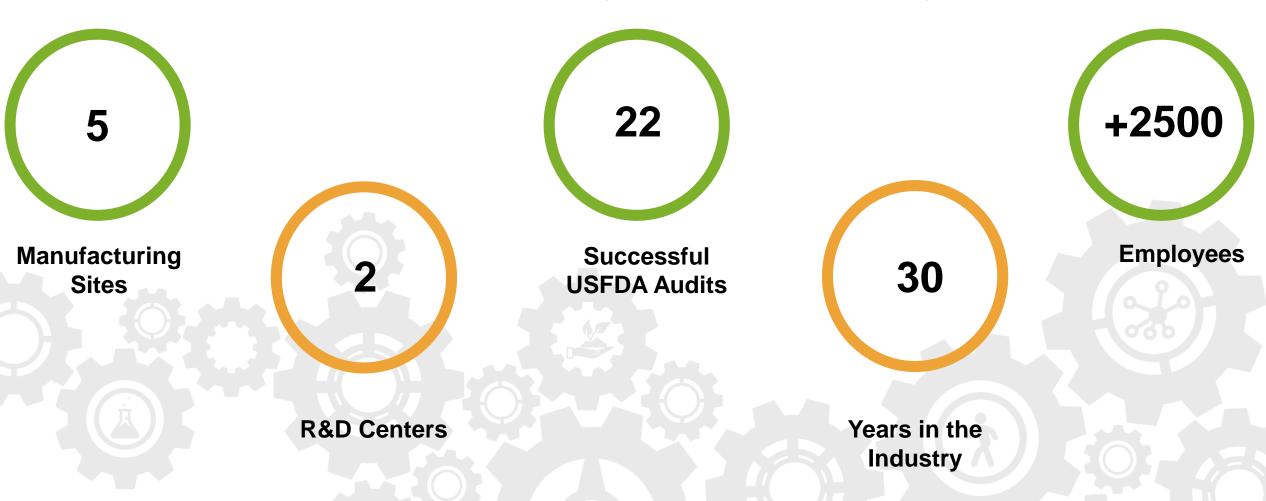


CORPORATE OVERVIEW



Solara - at a glance

Solara Active Pharma Sciences offers Contract Research and Manufacturing and Development Services across the entire value chain of a new chemical entity which covers from Discovery to Commercial Phase.



Your RITE Partner for CRAMS



Doing what is 'RITE' for the customers

RESPECT

R

We at Solara
respect our
Employees,
Customers and
Partners. Here we
ensure that our
client's expectations
are consistently met

INTEGRITY

Our business stands on the pillar of integrity, honesty and fairness. Everything we do here stands the test of public scrutiny TRANSPARENCY

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Regularly engage with investors, suppliers, customers, and stakeholders by providing regular financial and business updates.

EFFICIENCY

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Working towards achieving a high level of efficiency in all process and systems and fulfilling the promises made to stakeholders.

Solara's leadership team



Leadership with several years of experience in the pharmaceutical industry



Jitesh Devendra, Managing Director

Jitesh has more than 20 years' experience and has led the North America API business as well as managed the Formulations P&L business of erstwhile Shasun Pharmaceuticals Limited, which got merged with Strides Shasun Limited. Jitesh has been responsible for P&L business for North America and Europe Finished Dosage Form and overall responsible for API business P&L.



Bharat. R. Sesha CEO

Bharath has over two decades of experience in the Pharmaceutical Industry. His expertise spans across the pharmaceutical, healthcare, consumer lifestyle and material sciences industry. He has held CXO level positions in companies like Philips, DSM Sinochem Pharmaceuticals, Royal DSM NV. Before deciding to pursue an opportunity with Solara, Bharath was the Managing Director at Nalco Water, India.



Hariharan S. (Hari) CFO

Hariharan is a Cost Accountant with rich and varied experience of more than 30 years in field of Corporate Finance, Accounts and Strategic planning. He played a vital role in the merger process of Shasun Pharmaceuticals Ltd. with Strides Shasun Limited.



Sreenivasa Reddy B. (Sreeni)

COO

Sreeni has over 24 years of experience in Pharmaceutical Manufacturing, Technology Transfer, Project Management in setting up facilities, Quality Assurance, Plant operations and Sales & Marketing.



Sundara Moorthy V. (Sundar)

SVP- Quality Management & Regulatory Affairs

Sundara Moorthy has done his Post Graduation in Organic Chemistry. He has rich and diversified experience of 23 years in the Quality Management, Regulatory Affairs and Compliance functions.



Swaminathan Srinivasan(Swami)

Head - Research & Development

25+ years of experience in generic pharmaceutical industry with vast exposure in active pharmaceutical ingredient as well the Dosage forms with deep understanding of the industry dynamics. He was associated with Jubilant Life Sciences, Alembic, Dr. Reddy Laboratories, Orchid & Ranbaxy.



Wide gamut services across the development chain





- · Hit to Lead
- Lead Optimization



- Synthesis & Purification
- Ref. Std. & Impurities



- Process Optimization
- cGMP Production



Commercial

- Process Validation
- Capacities
- Cost Advantage

Contract Development

Contract Manufacturing

Analytical services

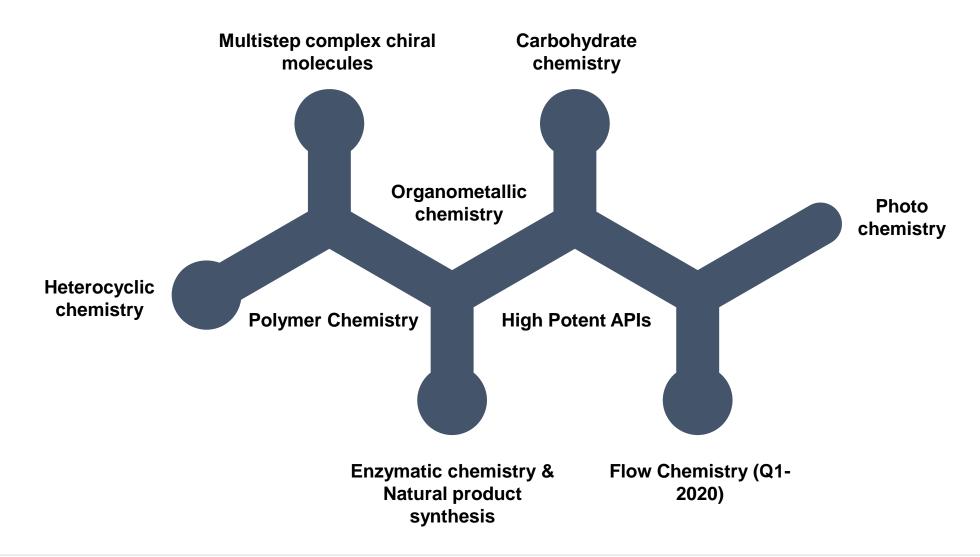
FTE model programs

Regulatory support



R&D Capabilities in Synthetic Development





Chemical Process Design, Development and Optimization





Route Scouting



Tech Transfer Services



Chemical Process Engineering



Salt and Polymorph Screening



Process Development and Optimization



Identification & Characterization of Impurities



Chemical Process Safety



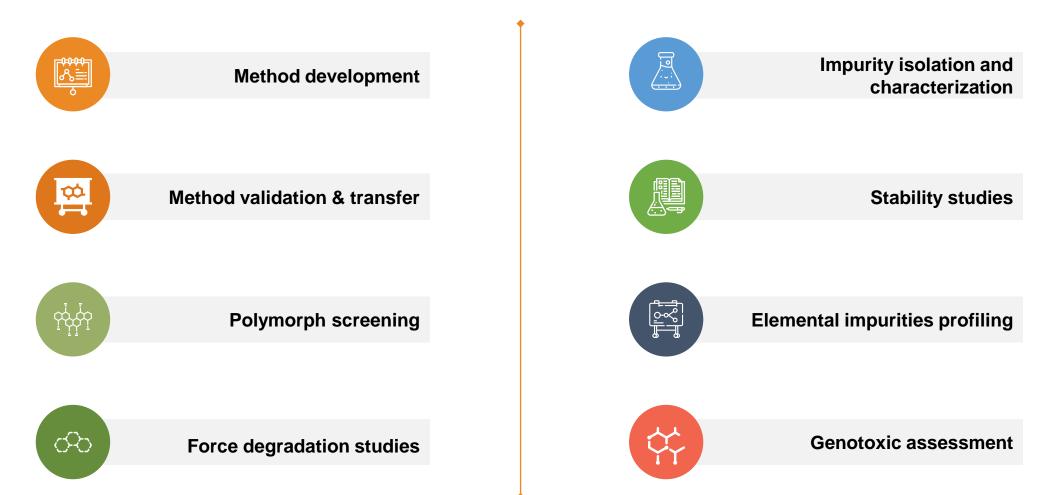
GMP Manufacturing



Process Analytical Research and Development



US FDA audited and approved analytical laboratory facility with 21CFR Part 11 compliance systems







Offering 100% assurance on EHS & Safety

Zero Liquid Discharge System

- Low TDS treatment followed by Biological treatment system cum RO Plant.
- High TDS treatment followed by Pre Chemical treatment cum MEE & RO Plant.
- Agitator Thin Film Drier followed by MEE Plant to separate solids.
- Recovered water used in gardening and utility for plant
- Solids disposed to government authorized landfills

Biological Treatment Plant

 Biological Treatment Plant – LTDS & HTDS



MEE

 Multiple Effect Evaporation System (MEE Plant)





Robust framework for IP protection









Well established data systems for protection of information at all levels



All programs driven by customer need and there are no internal programs



IP assigned to client at the beginning of relationship

Our R&D Team





Swaminathan - Senior Vice President - R&D

Having Pharma industry experience more than 27 years Handled leadership and strategic roles in various organizations



Ananda Ganesh - Head Project Management

Having 14 years of experience in Project management, Key account management and Client handling



Sridharan - Head Process Engineering

26+ years of experience in scale-up, technology transfer & process engineering. Handled independent role in manufacturing



Dr Uttam Ray - Head Process Development

Having industrial and academic experience more than 30 years in Process Research & Development and Life cycle management



Dr Bheemashankar Kulkarni - Head Synthetic Development

More than 25 years of experience in medicinal chemistry and Custom synthesis



Dr Srinivasan - Head Analytical Services

25+ years of experience, subject matter expert in Analytical & quality functions



Venkatesh Prabhu - Head Analytical development

Having vast experience around 20 years in analytical chemistry, method development and optimization



Dr Chandramouli - Group Leader Synthetic Development

More than 15+ years in custom synthesis and process research



Dr Sanjay - Group Leader Process Development

Having experience more than 15+ years in Process Research, medicinal chemistry & drug discovery



Advanced Analytical capabilities



- 01 ICP-MS
- 02 LCMS-MS / LCMS
- 03 GCMS-MS/GCMS

- 04 Powder X-Ray Diffraction
- 05 Solid state & Liquid state NMR
- 06 Ion Chromatography

- 07 Particle size analyzer
- Differential scanning Calorimetry
- 109 Thermo Gravimetric analyzer





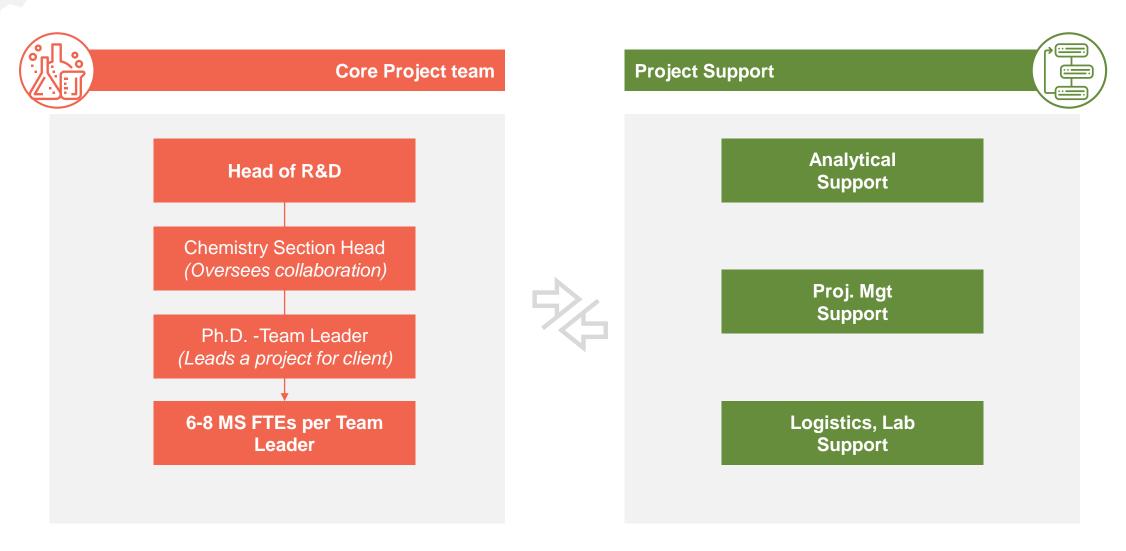






Typical model for CRAMS engagement











OUR CAPABILITIES



Dedicated research and development capabilities

Two India based R&D Centre for best in class product development





Our R&D Centre in Chennai



Technical Expertise

Strong technical leadership to develop high-quality services that create strategic value for our partners and customers



Development

R&D capability to develop over an entire cycle with new and better technologies at Our R&D Centre in Bangalore

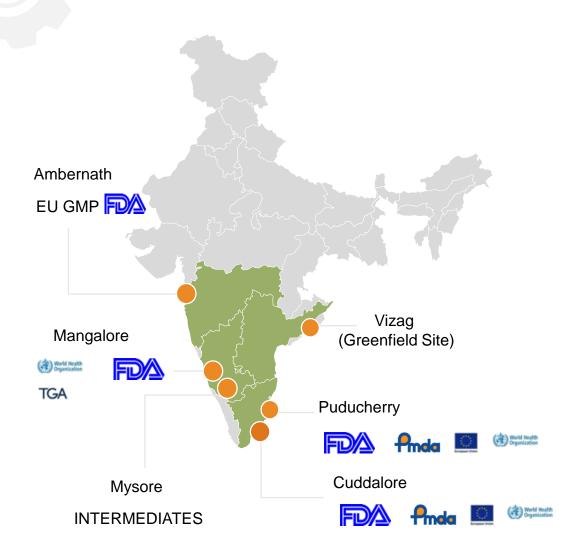


Regulatory Filings

Strong IP assessment capabilities and strong global regulatory expertise

Five India based manufacturing sites with all approvals







Core focus

- · Mirrored facilities for developing products
- Deploy systems that are highly automated and stringent, specifically in the labor intensive areas.
- Focus on technology and production processes that represent a clear advantage against the industry standard



Capabilities

 1600 KL capacity with capabilities in high vacuum distillation, hydrogenation, halogenation, Grignard reaction, polymer chemistry amongst others



Key Approvals

Globally compliant API facilities with all regulatory approvals and adherence to the highest quality standards



Manufacturing Strategy

Capacity creation after assurance of demand and location based diversification for minimizing concentration risk





Facilities

Pondicherry Facility



- The buildings for the manufacturing of Intermediates and isolation of final drug substance are separate.
- Packing sections are controlled and meets ISO Class 8 requirements.
- Reactors are in the range of 1200 L to 12,500 L of size with MOC of SS, MSGL, GL
- Highly flexible pilot plant with a broad range of equipment

Multipurpose Cuddalore Facility



- FDA inspected cGMP multi purpose API and intermediate facility
- Broad range of reactor sizes with flexible containment and LEV facilities.
 The facility has reactors varying in size from 250 L to 12500 L
- Different material of construction SS, GL, SS-GL, MS-GL, Hastealloy
- Temperature ranges from -90°C to +145°C
- Segregated hydrogenation facility with multiple gas scrubbing systems



Facilities





Multipurpose Mangalore Facility

- Multi purpose cGMP API and intermediate facility inspected by DCD, USFDA, WHO, EDQM, MFDS, TGA, AEMPS, ISO-14001
- 6 Full fledged cleanrooms meeting ISO class-8 slandered can hand six products simultaneously
- Broad range of stainless steal and Mild steal glass lined reactors of size from 250 L to 6300L
- Self contained "Pilot facility" having SS, GL and all glass reactors of size 20 Lit to 250Lt
- Pressure reaction facility, Operating temperature ranges from –20°C to +130°C

Multipurpose Ambernath Facility

- FDA inspected cGMP multi purpose API and intermediate facility
- The facility has reactors varying in size from 250 L to 8000 L
- Different material of construction SS, GL, SS-GL, MS-GL
- Temperature ranges from –20°C to +130°C
- Segregated hydrogenation facility with multiple gas scrubbing systems

Regulatory Approvals – Inspection Track Record



Regulatory Agency	Latest Inspections at			
	Puducherry	Cuddalore	Mangalore	Ambernath
United States	May-2017	Jul-2019	Jul-2018	Jan-2019
edom Europe	Nov-2014	Jan-2017	Sept-2017	Oct-2017
World Health Geneva	-	Oct-2016	Feb-2018	-
<u>CDSCO</u> India	Jul-2018	Jan-2018	Aug-2018	Dec-2017
Australian Government Department of Health Therapeutic Goods Administration	-	May-1998	Feb-2013	-
MHRA United	Jan-2017	Jan-2017	-	-
Japan Japan	Nov-2007	Mar-2017	-	





Regulatory Agency	Latest Inspections at				
	Puducherry	Cuddalore	Mangalore	Ambernath	
식품의약품안전처 MFDS, South Korea	Feb 2017	Nov 2012	Jul 2018		
Cofepris Mexico	Sep 2015	Sep 2015			
JAZMP Slovenia	Feb 2015				
LÆGEMIDDELSTYRELSEN Denmark DANISH MEDICINES AGENCY	Oct 2008	Oct 2008			
agencia española de medicamentos y AEMPS, Spain			Sep 2017		
HPRA Ireland An strukturás Riadators Authority	Nov 2014				

^{*}As Mysore is an intermediate site, no regulatory inspection has been conducted so far. Site has a valid GMP certificate issued by the Drug Control Department, Government of Karnataka





EXPANSION PLANS





Upcoming State of Art manufacturing plant at Vizag, India

Status of the project





Investments

- Phase I Investment of ₹2,500m over a period of two years
- Funded through 30% equity and 70% term loan with capacity commitments from the long term customers



Focus

- Cater to future growth of Solara
- Serves as an alternate site for our Key APIs and de-risk strategy
- Planned for all regulatory approvals including USFDA, EUGMP, PMDA amongst others



Capability

- Dedicated and Multi Purpose blocks for Large Volume and Mid-Small Volume API
- Validation supply for new products
- Showcase facility for CRAMS business



Project status

- Phase-I construction planned to be completed in Q2 FY 20
- Installation of equipment by Q3 FY 20
- Validation is scheduled in Q4 FY 20



Other planned initiatives



Vizag green field multi purpose facility will be up and running in Q2 of 2020 Solara is looking to acquire kilo lab facilities in USA and Europe

Willing to provide dedicated facilities for our esteemed customers based on their future requirement

Solara is looking to add its expertise in Flow Chemistry and High Potent Capabilities

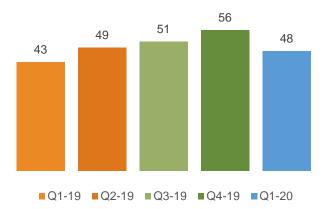


Significant growth and profitability over 5 quarters



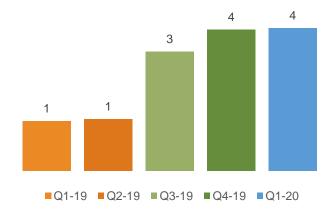
REVENUE

(\$ million)



NET PROFITS

(\$ million)



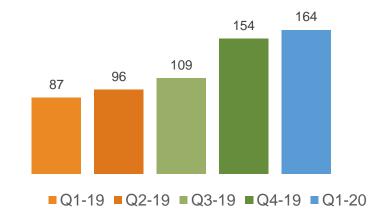
EBITDA

(\$ million)



MARKET CAP

(\$ million)



- Well capitalized to fund future growth initiatives.
- Solara Active Pharma Sciences got listed at \$3.3 per share in 2018 and today share price is \$6.34
- Including for cash reserves and committed equity infusion from the promoters and our lead investor TPG Growth, Solara has a surplus of ₹5 billion (\$68 million)
- Growth in Reported EBITDA margins over last 5 quarters
- Steady progress through the proactive cost improvement programs
- Fast expanding portfolio of new products and new customers to access new markets for existing products
- Strong leverage situation supporting better EBITDA to EPS conversion





What Solara Can offer to you?





Chemistry Services



Analytical Services



Manufacturing Services

- Hit to lead and Lead Optimization
- Synthetic Chemistry FTS's
- Route Scouting
- · Feasibility studies
- Process optimization
- Scale-up batches [Gram to kg level]
- Impurities synthesis & Isolation
- Solubility & Particle engineering

- Method Development
- Method verification / validation
- Method transfer
- Characterization
- Qualification of Impurity standards
- Genotoxic studies
- Elemental impurities assessment
- Polymorph screening

- GMP synthesis and manufacturing
- Solara has 4 USFDA audited sites
- Having various size of equipment's and down streams with all MOCs
- Globally accepted compliance in suppling GMP material for phase-1 and above
- Solara will be able to dedicate a manufacturing block for your development programs
- Ensuring Delivery in FULL ON TIME





Thank you

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