



Integrating Technology Highway and Emerging Market Enterprises

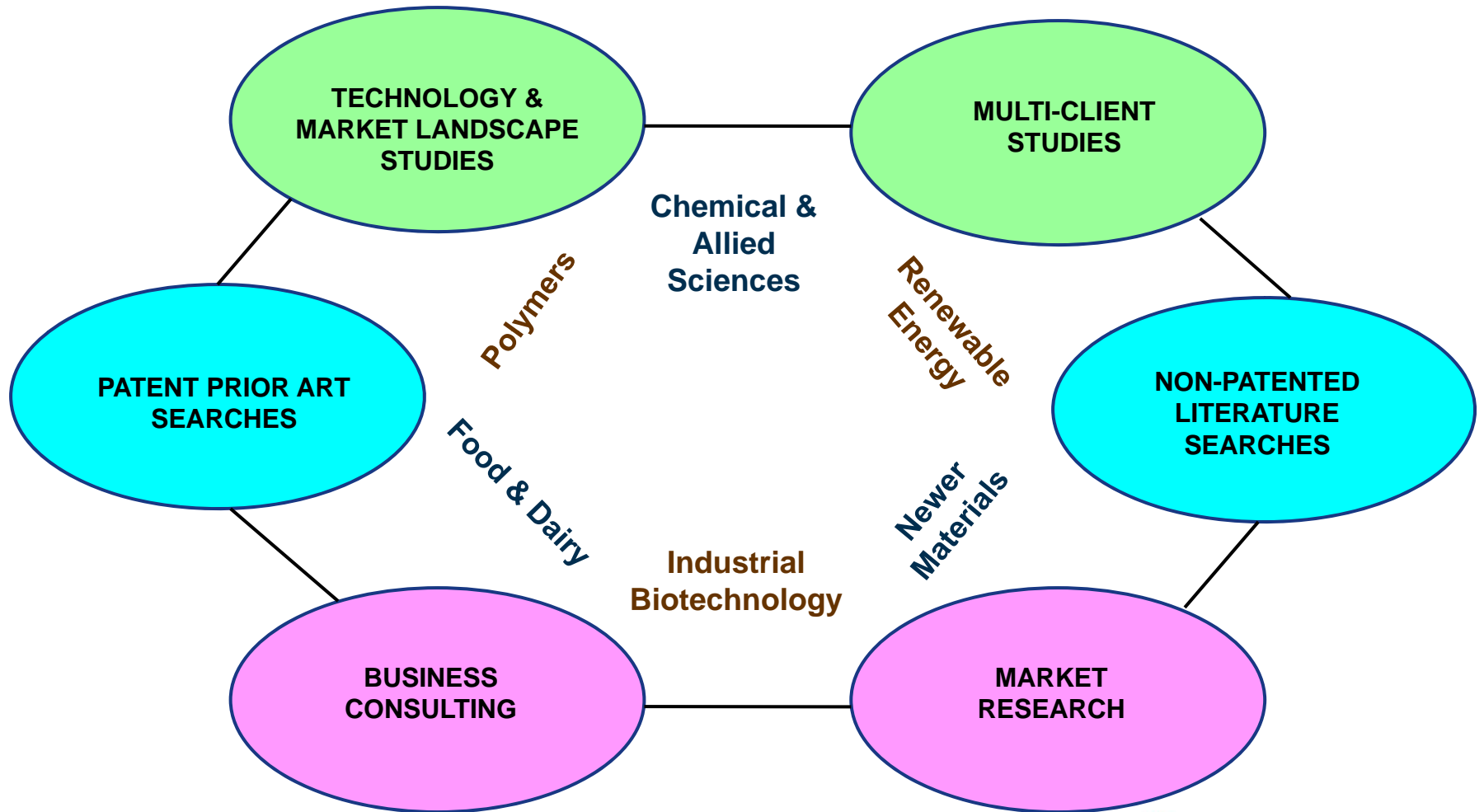
WHO WE ARE ?

- We are a technology intensive consulting firm working mostly in emerging technology areas
- Formally started operating from January 1, 2010 from NCL Innovation Park, Pune, India
- Average experience of consulting staff is 15+ years with leading R&D institutions, industry and management consulting firms in India & abroad
- Staff experience of having undertaken more than 250 consulting studies of diversified nature
- Our consulting studies & reports have helped clients in understanding the technology and market domain before embarking on a major investment decision
- Clients are mostly from India, US and Middle East

Vision, Mission, Core values

- ☛ **Our vision** is to become a leading consulting firm in adding value at the interface of technology, markets, patents and commercial reality by acting as a seamless facilitator.
- ☛ **Our mission** is to provide our clients with high value consulting services in our domain areas of technology, patents & business consulting, enabling them to charter their future business outcomes
- ☛ **Our core values** are:
 - Highest levels of confidentiality and ensuring the best business ethics in customer deals
 - Fostering a culture of candidness and ingenuity both within and outside the organization
 - Respecting people and treating them the way we would like ourselves to be treated
 - Keep questioning ourselves on how we improve our quality and be of added value to clients

WHAT WE DO ?



EXAMPLES OF OUR CUSTOM REPORTS

Product	What we did?	Benefits to client
POLYHYDROXYALKANOATES (US Client)	<ul style="list-style-type: none"> • Patent analysis- 15 years • Analysis of NPL • Freedom to operate studies 	To take an R&D decision on continuing with a particular microbial strain
NON-PHTHALATE PLASTICIZERS (Indian Client)	<ul style="list-style-type: none"> • Understand the trends in technology approaches to the problem • What key players are doing • Identify suitable substrate material for India • Broad market estimation 	Enabled the client to clearly understand the area better and opt a route for further development based on substrate availability
VALUATION OF A ZEOLITE PLANT AND DIVERSIFICATION STRATEGY (Middle East Client)	<ul style="list-style-type: none"> • Technical audit of the existing plant and its valuation • Balancing the equipments • Feasibility study • Identify new products to diversify 	Helped the client in their acquisition strategy
XYLITOL & ERYTHRITOL (US Client)	<ul style="list-style-type: none"> • Identify the patents which focus on chemical routes to manufacture the products • How a chemical route compares with bio based approaches 	Helped the client in their licensing negotiations

Client names withheld due to confidentiality obligations

EXAMPLES OF OUR CUSTOM REPORTS

Product	What we did?	Benefits to client
MODIFIED STARCHES (US Client)	<ul style="list-style-type: none"> • Understand the recent trends in chemical, physical, enzymatic methods for modification • Identify food & cereal applications • Other emerging markets in this area 	Understand the emerging technology and market trends in the area of modified starches, low / medium calorie foods and sweeteners
ALTERNATE MATERIALS FOR SOLAR ENERGY (Indian Client)	<ul style="list-style-type: none"> • Identify some of the Cd, In, Ga, Se based approaches based on patent analysis • Key players and their commercialization status 	Understand the trends for use in their internal R&D
ROAD MAP FOR AROMATICS BASED DOWNSTREAM PRODUCTS (Middle East Client)	<ul style="list-style-type: none"> • Identify the feasible products based on available feed stocks • Discuss the technology and market options 	Develop a roadmap for their diversification
A NEW TYPE OF SOLAR COLLECTOR AND ITS ACCESSORIES (Indian Client)	<ul style="list-style-type: none"> • Global technology trends in the area • Which components are companies focusing • New projects in pipeline 	Helped the client to re-define their R&D strategy

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OTHER PRODUCTS WHERE WE HAVE DONE STUDY FOR CLIENTS

- Adipic acid
- Aerated concrete
- Aluminium fluoride
- Alternate materials for solar energy
- Bi-axially Oriented Polypropylene
- Biomass based platform chemicals
- Blood bags
- Chitosans
- Chlorinated PVC
- Cyclohexane
- Date paste & syrup
- Dental filling materials
- Dextrin
- Engineering plastics
- Fatty Alcohols
- Gluten free starch products
- Green houses & tissue culturing
- Insulating glasses
- Lignin based chemicals
- LPG from natural gas
- Maleic Anhydride
- Multi-layer packaging materials
- Natural food colorants
- Non-phthalate based plasticizers
- Polycarbonates
- Polyethylene terephthalate
- Polyhydroxyalkanoates
- Probiotics
- Purified terephthalic acid
- Scanning gels
- Soft ferrites
- Solid waste composting
- Spice oils & oleoresins
- Styrene
- Sugar free biscuits
- Technical grade urea
- Xylitol

MULTI-CLIENT STUDY REPORTS

SMART FABRICS & INTERACTIVE TEXTILES

- *This report gives a perspective of the underlying technology behind the SFIT classified in seven broad areas. It provides applications that have been commercialized across the world using the above technologies in end-use segments like military, healthcare, protective clothing, wearable electronics and other institutional applications*
- *The report provides the analytics of the global and Indian markets with forecasts and segmentation. It analyzes the global & regional (US, EU, Japan, China, India, Brazil, ROW) markets in different application segments. Market forecasts for 2015 have been projected both globally and regionally*
- *About 50 global commercial brands in these areas have been illustrated. The report further profiles 54 prominent global players in this area. These include 23 from US, 25 from Europe and 6 from Asia. It also provides some directions to Indian companies, with a few products which could have potential in the mass markets of India*

OTHER MULTI-CLIENT STUDIES UNDER PREPARATION

GREEN PACKAGING: The study focuses on the technology approaches, materials commercialized, global markets, key market players, regulations and technology trends. Bio-degradable materials, recyclable materials, materials that reduce carbon emissions etc would be covered

IONIC LIQUIDS: Ionic liquids are very good solvents for a variety of organic, inorganic, polymeric and biological materials. They are non-volatile & non-flammable. The study will focus on the technology approaches, applications and markets in key segments like solvents, extraction media, storage media, lubricants and battery materials. Key market players will be profiled

BIOMASS BASED PLATFORM CHEMICALS: For agro based countries, bio-mass offers an attractive option to fossil based feed stocks to produce platform chemicals. Such platform chemicals can be used as a starting substrate to manufacture a number of value added intermediates and products

OUR PARTICIPATION IN CHEMSPEC INDIA



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