



Renewable Chemicals and Materials

Global themes like sustainable growth and circular economy revolve around replacing petro-based products with bio-based renewable products, recycling non-biodegradable products, cleaner and greener processes to produce commodity products and replacing hazardous chemicals with safer alternatives.

On the back of a formidable track record of its Bio-MobilityTM platform for renewable transportation fuel globally, Praj entered the Renewable Chemicals and Materials (RCM) industry through its newly launched Bio-PrismTM portfolio. Praj's interest in RCM stems from its philosophy of 'sustainable decarbonisation through circular economy', which aptly complements the UN's Sustainable Development Goals.

Bio-PrismTM portfolio comprises a basket of technologies for production a variety of bio-industrial products, including bio plastics as a priority, along with cellulose-lignin refinery products and specialty products.

What is RCM

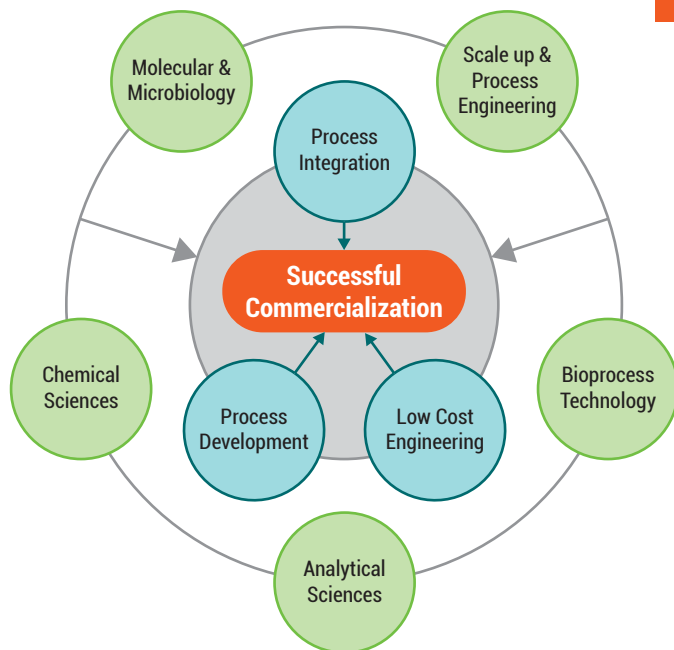
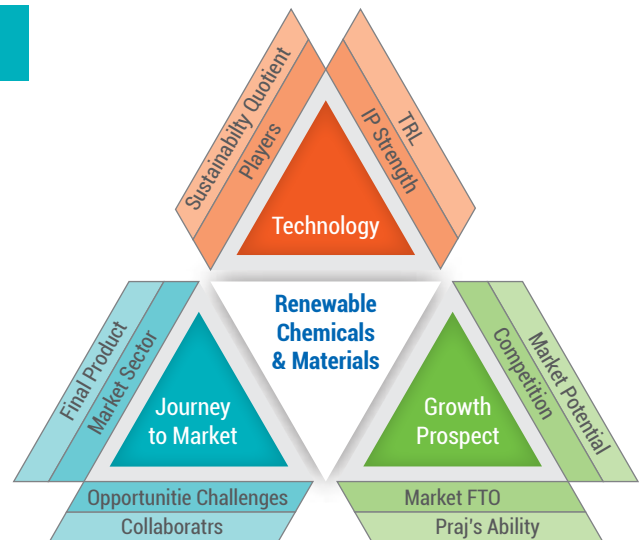
- Renewable chemicals comprise 'drop in' chemicals which are bio-derived products that directly replace petroleum derived products as well as 'Performance advantaged chemicals' which are bio-derived products having similar or better and distinct properties and functionalities.
- Renewable materials imply finished products containing renewable chemicals in its entirety or partially.
- Attractive renewable embrace the trio, ..the three advantages of performance, sustainability and cost competitiveness.

Praj's Approach

The complex world of RCM demands focused strategy and systematic approach .

Praj's strategy in the area of RCM is anchored on driving principles focused on feedstock, technology readiness level, market entry strategy and sustainability advantage.

The strategy is primarily centered around commodity products having applications in the market sectors plastics, resins, paints and coatings, food and agri-supplies. Principal focus being on plastic.



What are we going to deliver?

- Biobased renewable chemicals
- Chemicals having performance advantage over petro-based products
- Biodegradable/biocompostable/recyclable products
- Drop-in commodity and specialty products

Praj Worldwide

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