

SUSTAINABILITY STATEMENT BY

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Aiming to farther circular bio economy by providing scalable innovations in technology and infusing Sustainability principles into design and engineering of plants and machinery. In perfect alignment with the Praj Vision statement the Matrix-R&D Center of Praj Industries would work on developing products and processes that will contribute to transition from fossil fuels and petrochemicals to bio energy (biofuels) and renewable chemicals and materials (RCM) providing environment friendly sustainable solutions.

At Praj Matrix- R&D Center, our focus is

- Development of low CI (carbon intensity) biofuel technologies (Ethanol, Sustainable Aviation Fuels, Compressed Bio Gas, Marine Bio-Fuels, Hydrogen etc) under bio-mobility platform of Praj
- Development of best in class, low opex and low CI renewable chemicals and materials in particular biodegradable and renewable plastics under Bio-prism platform of Praj viz. polylactic acid (PLA), poly hydroxyalkanoates (PHA).

These will help to tackle the menace of fossil derived plastics and fuels which are highly carbon intensive and environmentally polluting. Further,

Praj Technology and Engineering group has their focus on the designing, engineering, scale-up and optimization of processes and plants & machinery to ensure on-spec products, minimization of energy and water consumption, reduction of all types of emissions and use of non-recyclable material.

The plants are designed to meet regulatory norms of environment, health and safety and thereby reduce customer compliance risks.

Some of the new developments include technology for concentration of spent wash, process integrated boiler, bio-syrup technology to improve yield and achieve flexibility to store sugar rich stream and extend days of operation.

The new development also includes technology for rice protein, High protein DDGS, corn oil extraction.

Optimized design of ACHE is being offered for water stressed projects.

Together, with research and technology development in a closely coordinated manner, we will strive to be the most preferred organization for all stakeholders for developing and deploying carbon neutral/negative and sustainable solutions that can make the world a better place.

