

TECHNOLOGY EXCHANGE AND COORDINATION PVT. LTD.



SUGAR CANE

BIO-PROJECTS

PROFILE

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Sugarcane Value Added Products

Sugarcane Processing

- Sugarcane Juice
- Molasses
- Bagasse
- Filter cake or press mud
- Bagasse Ash

Sugar cane juice, Molasses, vinasse-based bio product SEZ

Bio fertilizer from vinasse

Ethanol - 170 T/D & bio fertilizer – 190 T/D

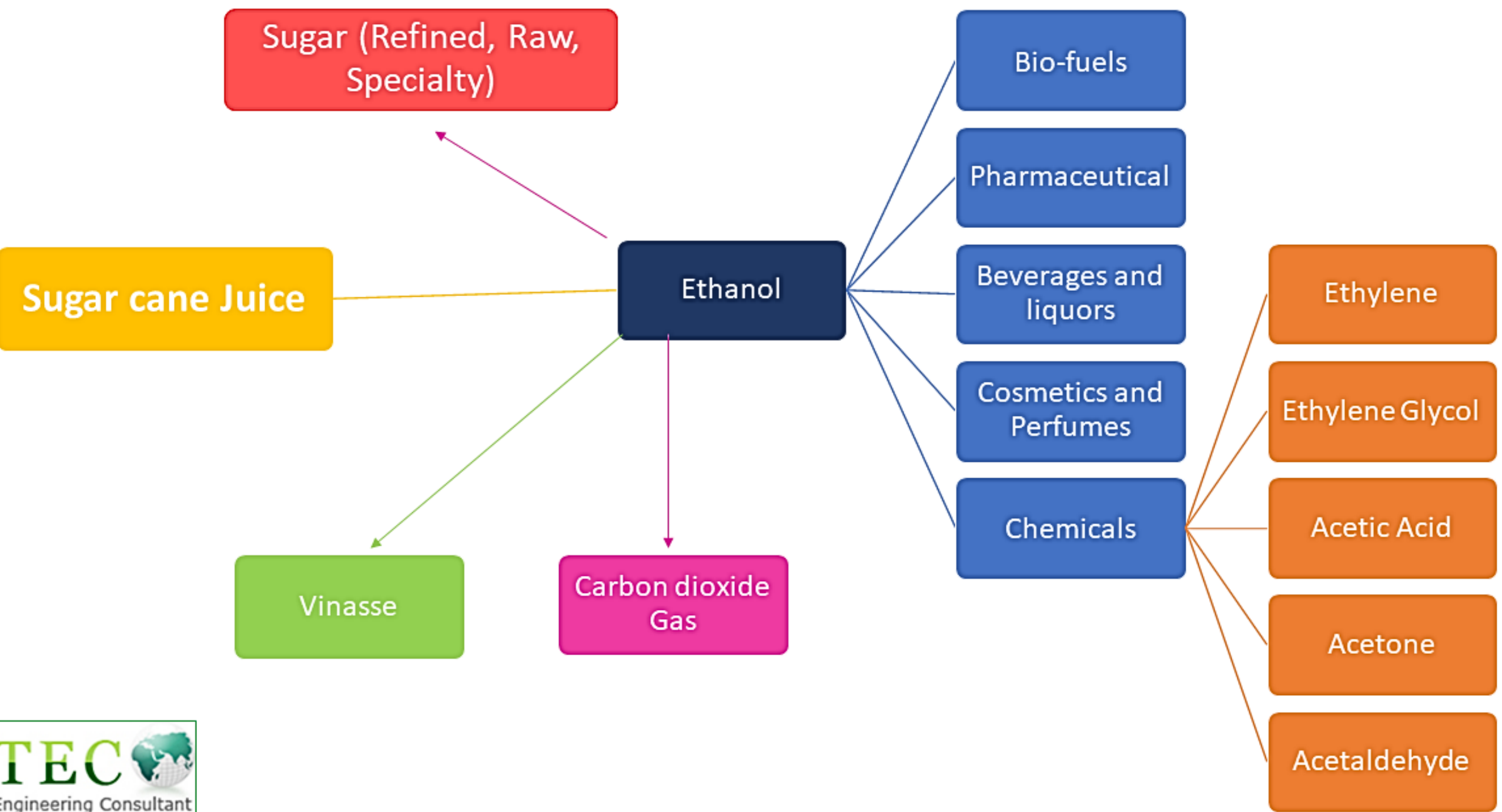
Active Dry Yeast

Amino Acid

Sodium Gluconate

Citric Acid

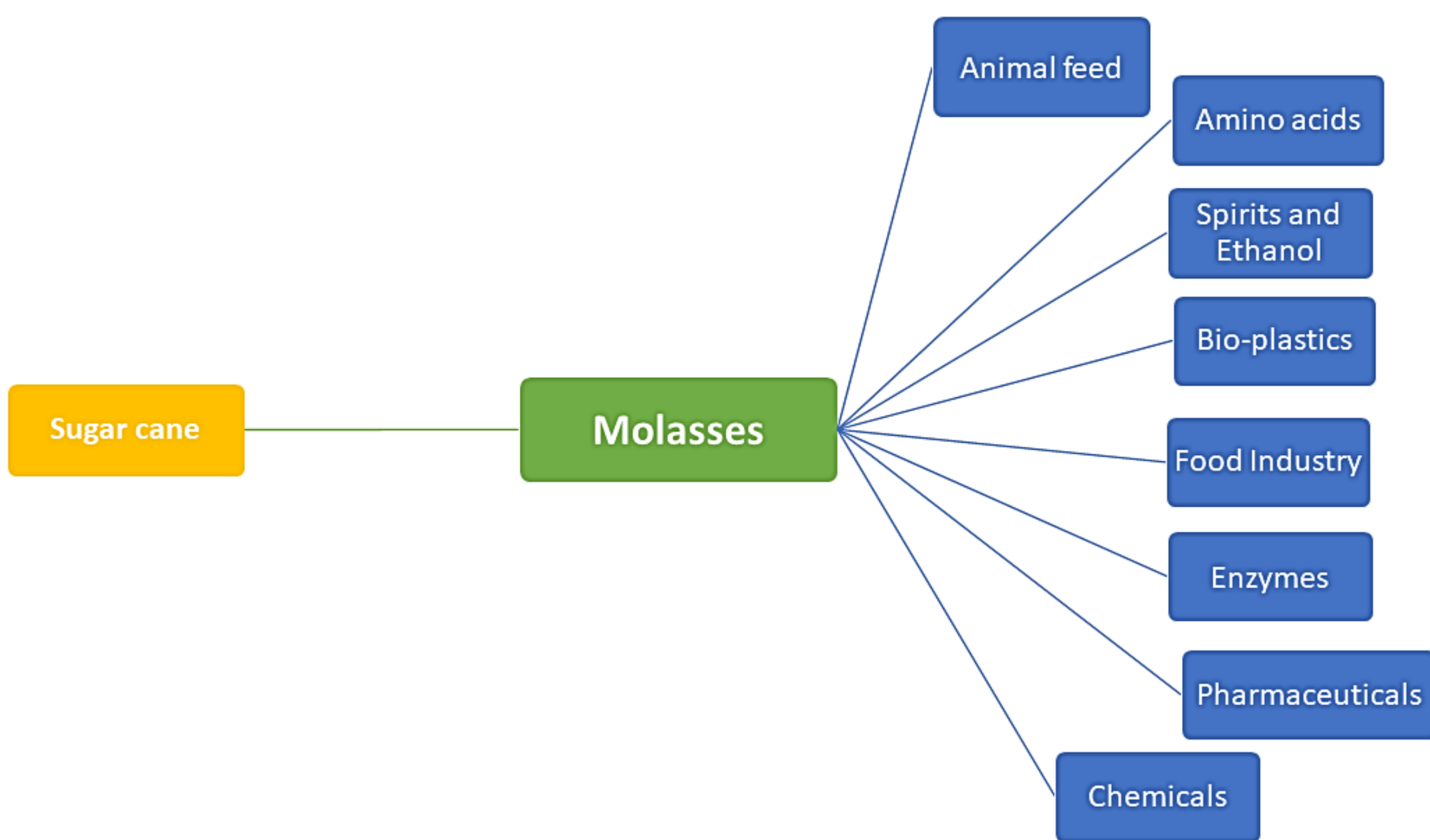
Sugar cane Value Added Products



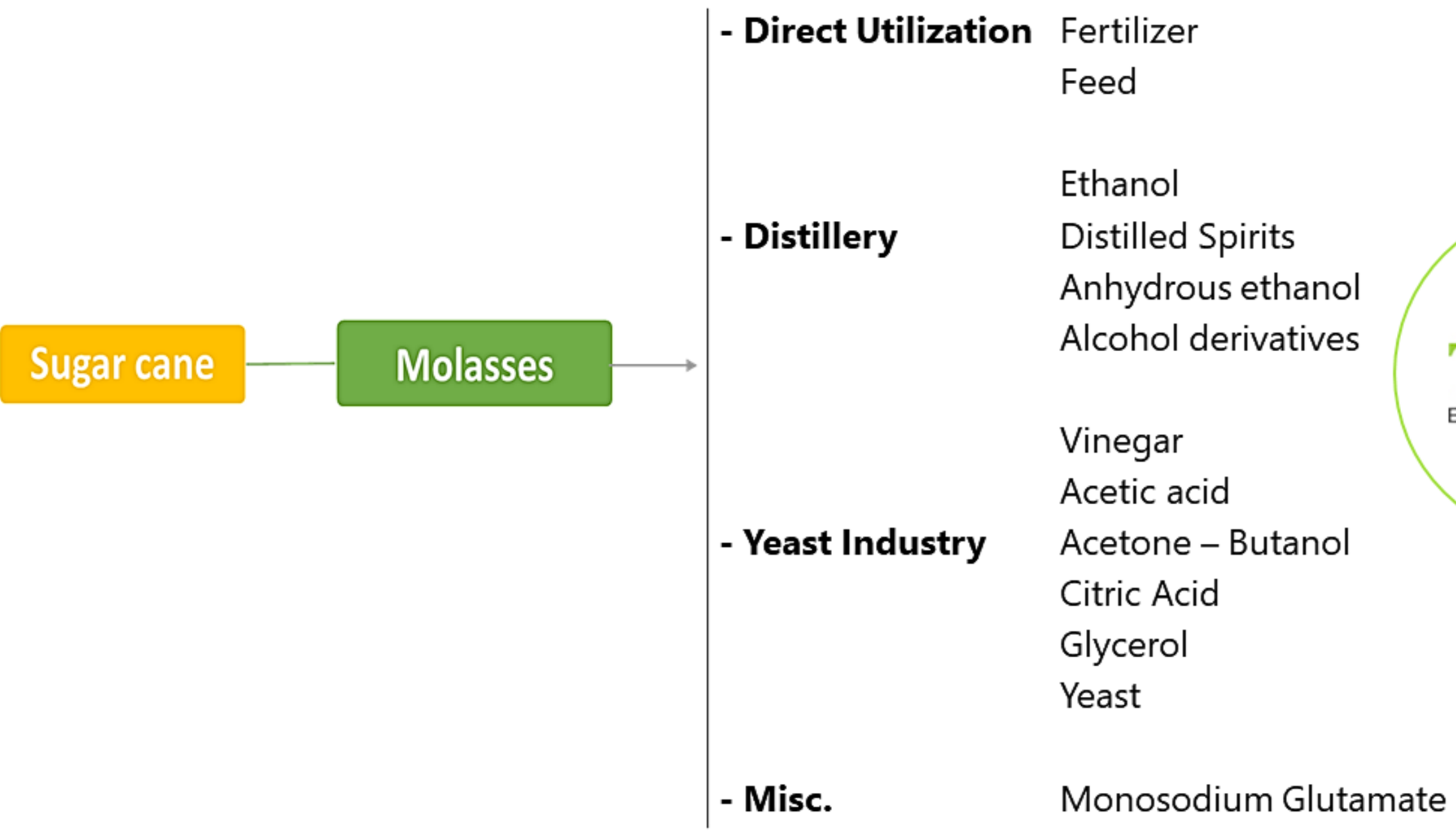
At TEC, we are dedicated to harnessing the potential of sugarcane-based bioproducts and driving innovation in the industrial sector.

"As per Chinese R&D institutes, the future lies in establishing Sugarcane based industrial projects, eco-industrial parks, or SEZs."

Molasses - Sugar cane Value Added Products



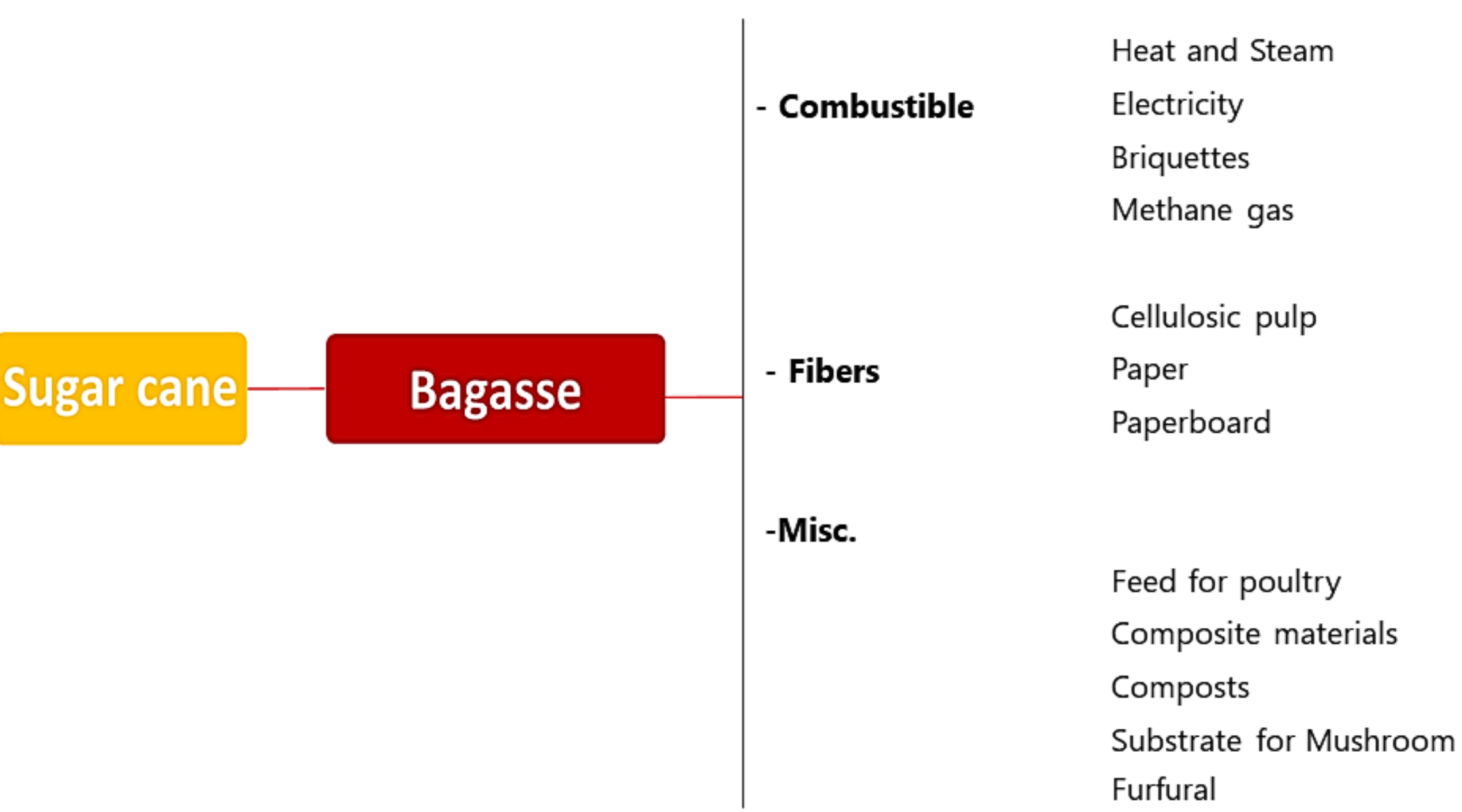
Sugar cane Value Added Products



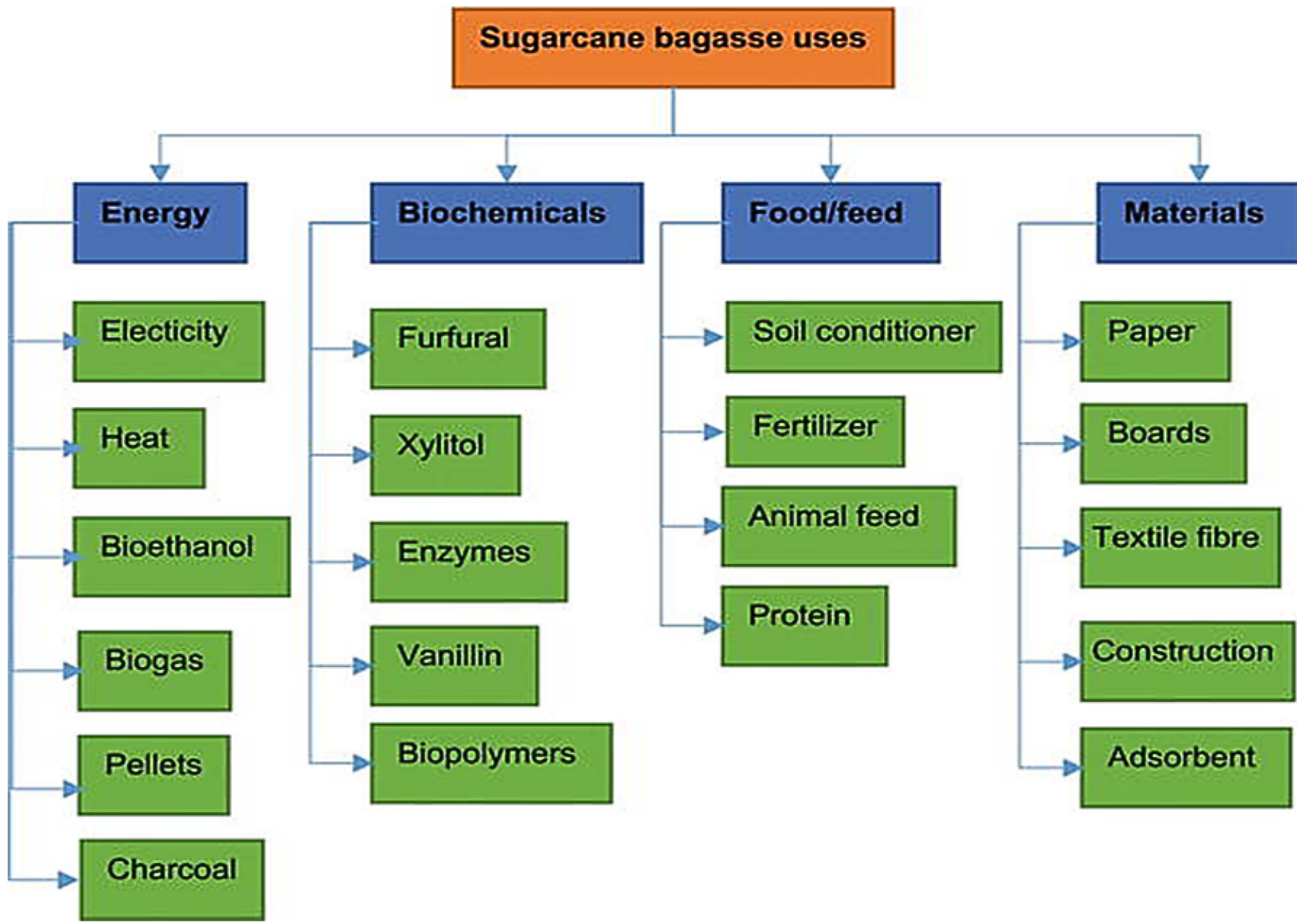
We work for setting up new industries, industrial parks (SEZ) and are considered the *highest-performing industrial consultancy in the country.*

TEC has set up Rs. Billion plus investment; Olympia Soda ash, Premier Ethanol, and H2O2, etc. 23 projects. Punjab has had only these mega greenfield chemical plants for the last 30 years.

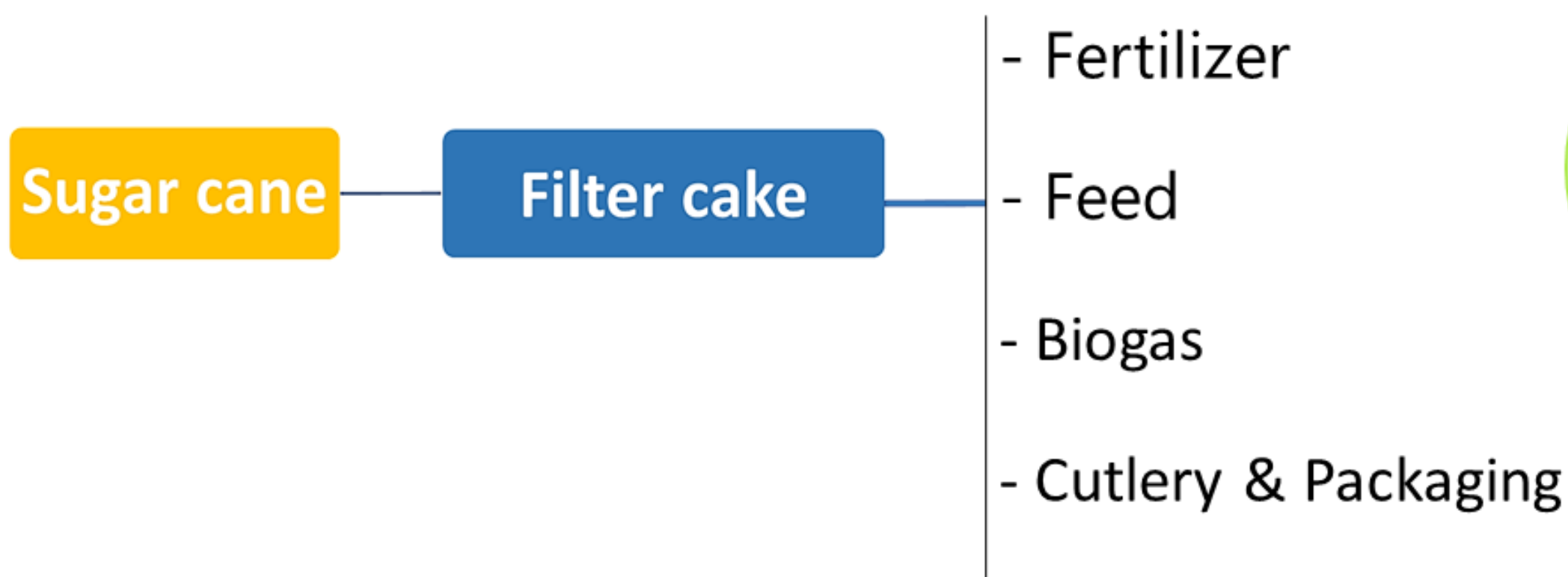
Sugar cane Value Added Products



Bagasse - Sugar cane Value Added Products



Sugar cane Value Added Products



Sugar cane Value Added Products



Sugarcane Based Projects

Ethanol

Capacity : 170 T/D + 190 T/D Bio fertilizer

Raw materials: Molasses

By product: 3 shift; 330 days

Marketing: Export potential

Profitability : Investment recovery 3 years



Ethanol Vinasse Bio Fertilizer

Capacity : 88 T/D (100,000 ltr/day distillery)

Raw materials: Distillery waste

By product: 3 shift; 330 days

Marketing: Export potential

Profitability : Investment recovery 3 years



**Ethanol Vinasse based
Bio Fertilizer**



Citric Acid

Capacity : 20,000 T/Y (03 shift, 330 days)

Raw materials: Molasses

Marketing: Export potential + Local demand

Usage: food and beverage production, pharmaceutical formulations, cosmetics manufacturing, & cleaning products.

Profitability : Investment recovery 3 years

Sugarcane Based Projects

Edible Dry Yeast

Capacity : 5,000 T/Y (03 shift, 330 days)

Raw materials: Molasses

Marketing: Export potential + Local demand

Usage: Bakery products, brewing, animal feed, human nutrition, and pharmaceuticals.

Profitability : Investment recovery 3 years



Amino acid Project

Capacity : 10,000 T/Y (03 shift, 330 days)

Raw materials: Molasses or Corn

Usage: It provides abundant raw material for feedstuff industry. It can be added to the feedstuff of cattle, sheep and chicken. It can assure the rapid growing of animals.

Profitability : Investment recovery 3 year



Sodium Gluconate

Capacity : 30,000 T/Y (03 shift, 330 days)

Raw materials: Corn or Molasses.

Usage: It is widely used in food, medicine, and light industry. It is used in the steel industry for metal surface treatment and cleaning.

Profitability : Investment recovery 3 year



PROSPECTIVE PROJECTS

- Maize value addition (bio product) SEZ
- Sugar cane juice and Molasses based bio product SEZ
- Distillery vinasse-based bio fertilizer



TEC 
Engineering Consultant

SERVICES OFFERED

- Section wise analysis at nut, bolt level for deciding local fabrication or importing from China, developed countries
- Keeping the central control of project with investor. Replacing trade house.
- Forming & managing the consortium of R&D institute, manufacturer, construction company in China for execution.

TEC 
Engineering Consultant

SERVICES OFFERED

- Pre-Feasibility Study
- Sourcing Manufacturers in China
- Blending high tech from west
- Project execution
- Local fabrication
- Installation, Commissioning and trial run
- Applying Engineering & China knowledge for economy, reliability and efficiency

TEC PVT. LTD.

**"Transforming
Industries through
Innovative Engineering
Solutions"**

