

Optimization of Bioenergy Supply Chains

1. Market research/analyses

Biomass availability and demand – potential/opportunity/risk evaluation and management.

2. KYC – know your partner

Raw material sourcing sustainability (environmental, functional)

Experience, track record, legislative barriers

Benefit: Improved sustainability, supply risk mitigation.

3. Diversify Supply Channels to Mitigate Risks

Reduce dependency on a single supplier by establishing alternative channels and regional partners.

Benefit: Decreased risk of supply chain disruptions due to external factors.

4. Role of Technology

- Implement real-time logistics platforms to track deliveries and identify potential delays, enhancing transparency and responsiveness - IoT, AI, and blockchain to monitor supply chain performance.
- Predictive analytics to manage inventory and forecast demand.

Benefit: Greater efficiency and reliability across the supply chain, reduced costs.



Logging, production, logistic

Storage & load port

Discharge Port

Energy production plant

