NOVA
BIOPACK LLP
PACKAGING THE FUTURE

# SUSTAINABLE PACKAGING, EXECUTED END-TO-END.

**Nova Biopack is a consultancy organisation offering turnkey solution transitions towards sustainable packaging outcomes.** We help brands, manufacturers, and institutions navigate the complete transition to eco-responsible packaging from material selection to production-ready solutions with clarity, speed, and no compromise on performance

30 YEARS OF LEGACY
Backed by 30 years of Nova Group manufacturing Legacy

**360°**
Consultancy Coverage

**100%**
Sustainable Focus

## A CONSULTANCY ENGINEERED FOR THE SUSTAINABLE ERA

**"We don't just advise on sustainable packaging; we architect the shift, align the supply chain, and execute the transition end-to-end alongside you."**

Nova Biopack LLP is the sustainability-focused arm of the Nova Group, a collective with over three decades of packaging industry experience. As the global push for eco-responsible packaging accelerates, we exist to make that transition practical, affordable, and commercially viable for every kind of business.

We are material-agnostic consultants first. Our job is to understand your product, your supply chain, your budget, and your compliance requirements — and then build the right solution, not push a preferred one.

**Material & Format Consultancy**
Objective guidance on the right sustainable material and packaging format for your product category, regulatory context, & cost targets.

**Vendor Sourcing & Qualification**
Access to a curated, vetted network of converters & raw material suppliers domestically & internationally.

**End-to-End Project Delivery**
From spec to sample to commercial production we manage the complete journey which includes compliance

Why This Matters & What Happens After

# THE PROBLEM & END OF LIFE

*The packaging crisis is real, measurable, and accelerating. Our solutions are designed with the end of life in mind , not as an afterthought, but as the starting point.*

## 150,000

MICROPLASTIC PARTICLES INGESTED ANNUALLY PER ADULT

A 2024 analysis reveals the scale of micro-plastic ingestion driven by conventional packaging — a problem that bio-based, compostable packaging directly addresses.

## 660 Mn MT

WASTE INADEQUATELY MANAGED OR UNCOLLECTED GLOBALLY EACH YEAR

Poor waste infrastructure makes end-of-life planning for packaging non-negotiable. We design solutions with real-world disposal pathways — not just certifications.

## 37 Bn MT

$CO_2$ EMISSIONS FROM FOSSIL FUELS & INDUSTRY — 2023

Global carbon emissions continue to escalate. Switching to bio-based packaging substrates meaningfully reduces embedded carbon across the product lifecycle.

## Our Answer

END-OF-LIFE DRIVEN DESIGN

Every Nova Biopack solution is specified with its disposal pathway defined upfront — compostable, recyclable, or energy-recoverable — ensuring genuine circularity, not greenwash.

End of Life Pathways

# How our packaging returns to the cycle

### Regenerative / Compostable

Packaging designed for industrial or home composting — breaking down into $CO_2$, water, and biomass within defined timeframes. Ideal for food-contact and single-use applications.

- → Methane capture during anaerobic digestion
- → Digestate for soil nutrition & manure creation
- → Certifiable to EN 13432 & equivalent standards

### Recyclable / Mono-Material

Mono-material and bio-based recyclable structures that can re-enter the material loop without contamination — including MET-PE, MDO-PE, and paper-based constructions.

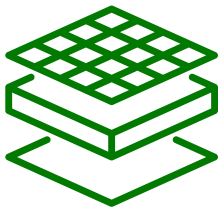
- → Compatible with existing recycling infrastructure
- → Mono-material pouches & films
- → Bio-based rigid packaging

# OUR PROCESS

*Every engagement starts from your reality , no generic templates, no preferred suppliers, no shortcuts.*

## Discovery & Brief

We begin with a structured discovery understanding your product specs, current packaging, volume requirements, compliance obligations, and sustainability ambitions.

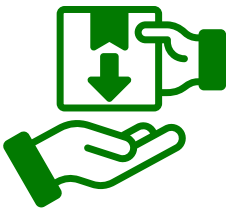


## Material & Format Recommendation

Based on your brief, we identify the optimal sustainable material whether that's PLA-based films, bagasse-moulded pulp, PBAT blends, recycled substrates, or paper-based alternatives.

## Vendor Identification & Sampling

We match your requirement to the right manufacturer from our network of qualified converters, arrange sampling runs, and manage technical alignment between your team and the supplier eliminating the back-and-forth entirely.



## Commercial Production & Handover

Once samples are approved, we oversee the ramp to commercial production, quality checks, delivery coordination, documentation, and certifications.

## WE CONSULT ACROSS ALL PACKAGING FORMATS

- Flexible Films & Pouches
- Rigid Containers & Trays
- Sachets & Single-Use
- Carry Bags & Mailers
- Food Service Ware
- Agricultural Film
- Compostable Coffee Pods
- Surgical & Pharma Packaging

Nudged to Buy

# The Design Lab

A specialised R&D centre that uses neuro-packaging & behavioural design to reshape packaging.

## Enhanced Shelf Impact

Eye-catching, science-backed designs that increase consumer engagement

## Revenue Growth

Distinctive packaging directly boosts sales

## End-of-Life Behaviour

Visual & tactile cues embedded in packaging design actively encourage composting or recycling at consumer level.

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## TALK TO OUR TEAM

Whether you are exploring sustainable packaging for the first time or looking to scale an existing initiative, our consultants are ready to begin with a no-obligation discovery conversation. Every engagement starts from your reality.


Group Website
**www.novaflexipack.in**

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Nova Group

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