

New raw materials, new uses, new processes:

Innovation at the heart of the bioeconomic

Daphna Nissenbaum, CEO and Co-founder









What if ...
Plastic packaging
could behave just like
an organic material?





Inspired by nature's packages

Flexible packaging should be part of our organic waste

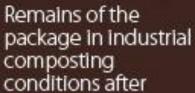


TIPA's breakthrough packages decompose in less than 6 months!







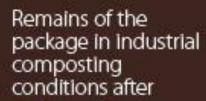


9 weeks



package in industrial composting conditions after

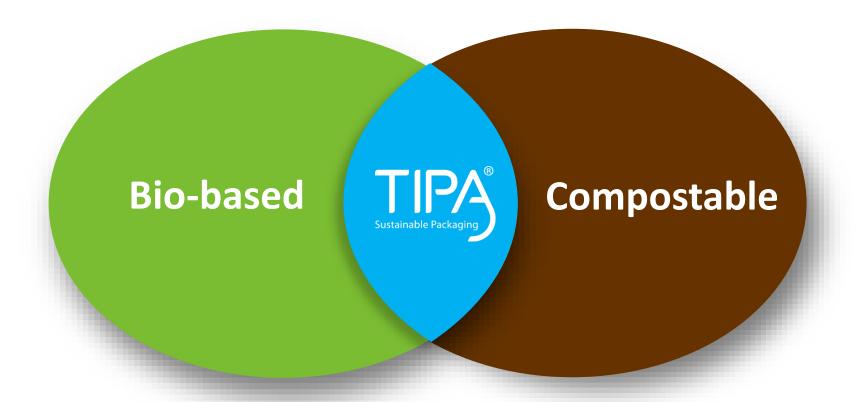
16 weeks



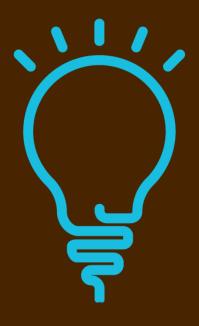
24 weeks

Circular Economy Approach

TIPA - Compostable solution with increasing amounts of bio-based ingredients



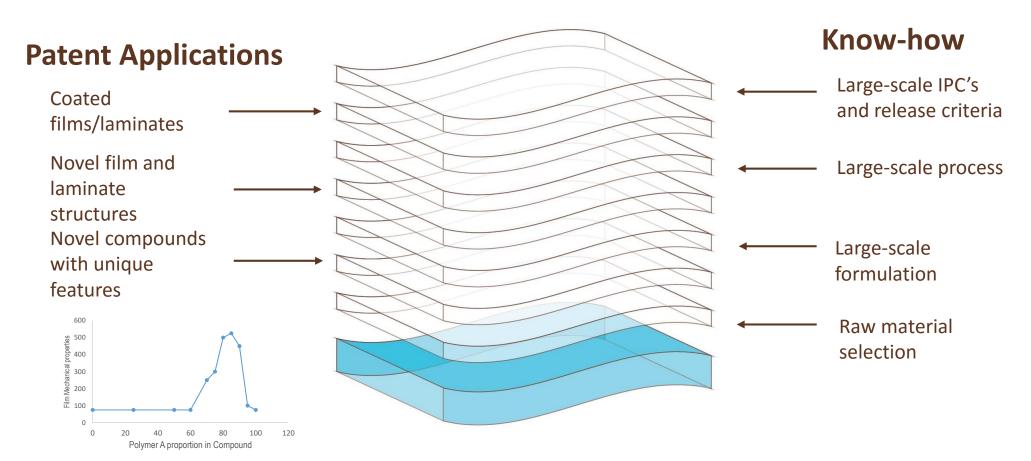




TIPA's Technology

The Technology

TIPA's intellectual property (IP) and know-how follows a multi-tiered approach to fully capture every aspect of the company's technological developments and is at the core of TIPA's activities





TIPA's Patent Status

No.	Patent/Application	Status
1	US D657,692 S	Granted
2	WO 2011/158240	Granted in US and Europe; divisional applications pending in Europe and Hong Kong
3	WO 2013/088443	Granted in Australia, New Zealand, Singapore. Pending: BR, CA, CN, EP, HK, IL, IN, JP, KR, RU, US
4	WO 2013/186778	Granted in Australia; allowed in New Zealand Pending: BR, CN, EP, HK, IL, JP, KR, US
5	WO 2015/059709A1	Pending: AU, BR, CA, CN, EP, IL, IN, JP, KR, NZ, SG, US
6	WO 20160/67285	Due to enter national phase 27 April 2017
7	WO 2016/174665	Due to enter national phase 29 October 2017
8	23.6.2015 PCT/IL2016/050663	



TIPA in the Market









- Fresh Produce
- Fresh Bakery
- Zipper Bags







- Grains
- Fresh Nuts & Seeds
- Pasta
- Snack Bars









- Snack Food
- Confectionary
- Coffee Grains
- Snack Bars
- Cakes, Cookies
- **Roasted Nuts & Seeds**
- Frozen Food









- Supplement
- Magazines
- Apparel



Territories



Market Potential

Flexible Packaging*

\$114B

By 2020

CAGR 2015- 20:

4.4%

* Source: Smithers Pira





By 2020

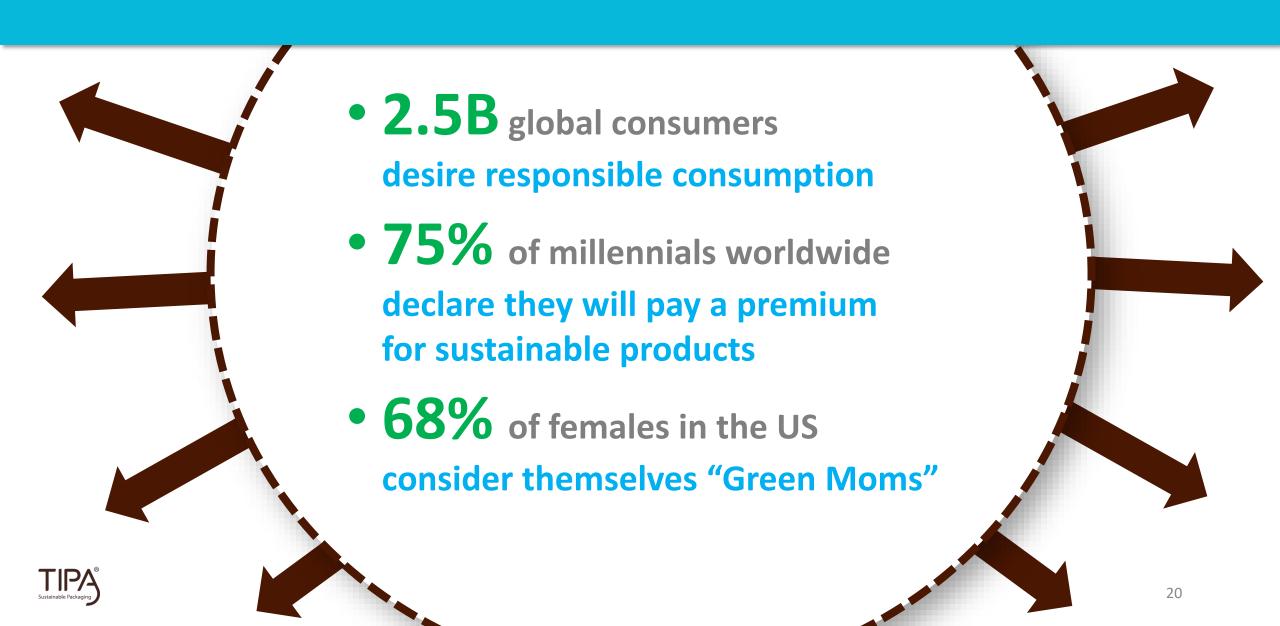
CAGR 2015-20:

10.8%

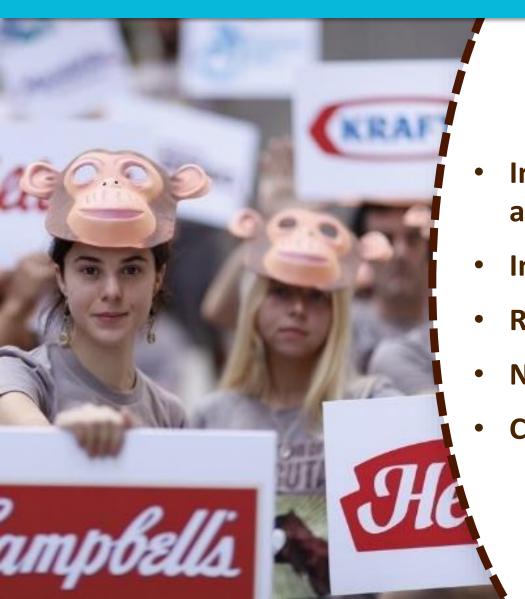
** Source: Markets and Markets



The Power of End Consumers



The Power of Brand Owners

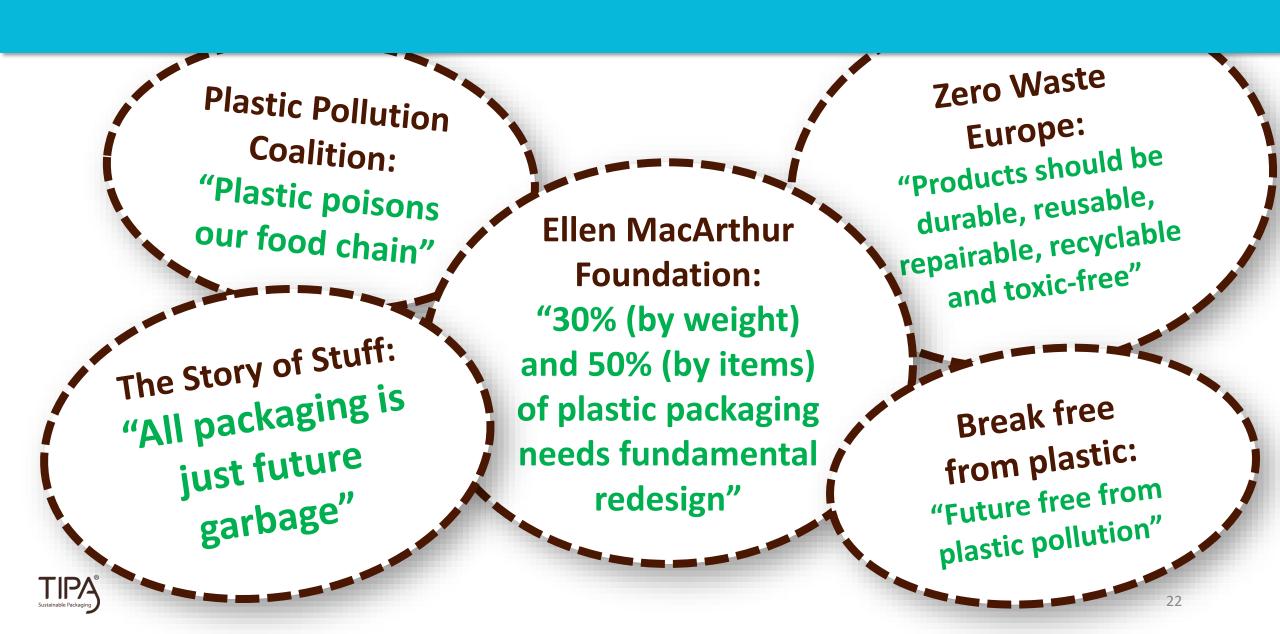


 Increasing sustainability awareness

- Innovation leaders
- Regulatory restrictions
- Negative campaigns
- **CSR** goals



The Power of NGOs



Regulation Follows Demand

The Incentives:

Reduce Dependency on Fossil Fuels

Zero Waste

Reduce GHG Emissions

New Job Creation

France

A complete ban on non-compostable shopping bags, fresh produce packages and mail wrappings

Netherlands

96% packaging tax reduction for compostable packaging (EPR)

Germany

Packaging tax reduction for bio-based packaging (EPR)

India

Various state-wide bans on non-compostable packaging

EU

Further regulatory support for bioplastics is expected in Europe as part of its zero-waste goal

ASIA

Both China and India are expected to place stricter regulation on plastic while promoting bio-plastic packaging



Extensive Coverage of TIPA



Background

- HQ based in Israel
- Sales Office- based in USA

Main Shareholders:









Thank You

