



PULPWORKS®

MOLDING A BETTER WORLD

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Founders



PAUL TASNER

Co-Founder & Chief Executive Officer

40 years of leadership experience in packaging and manufacturing



ELENA OLIVARI

Co-Founder and Chief Sustainability Officer

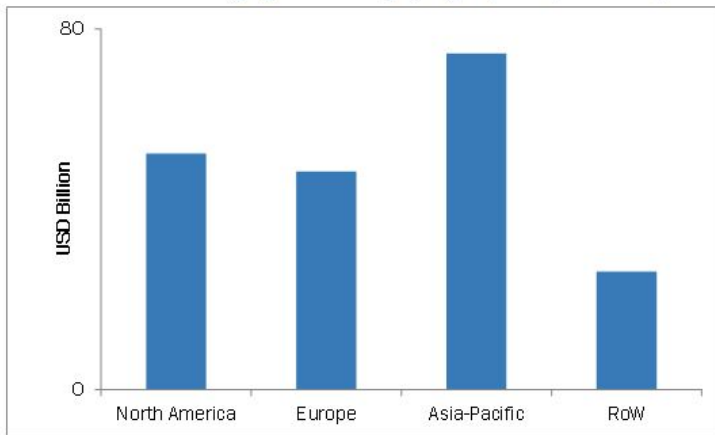
20 years of green architecture and design experience

Worldwide Plastic Pollution



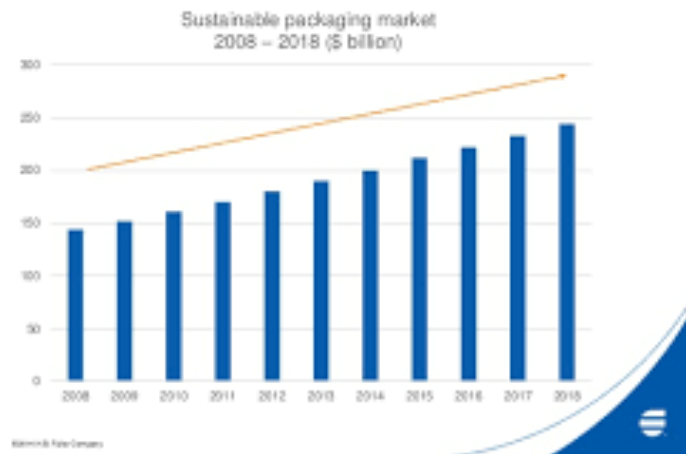
Sustainable Packaging Market

Sustainable Packaging Market Size, by Region, 2014 (USD Billion)



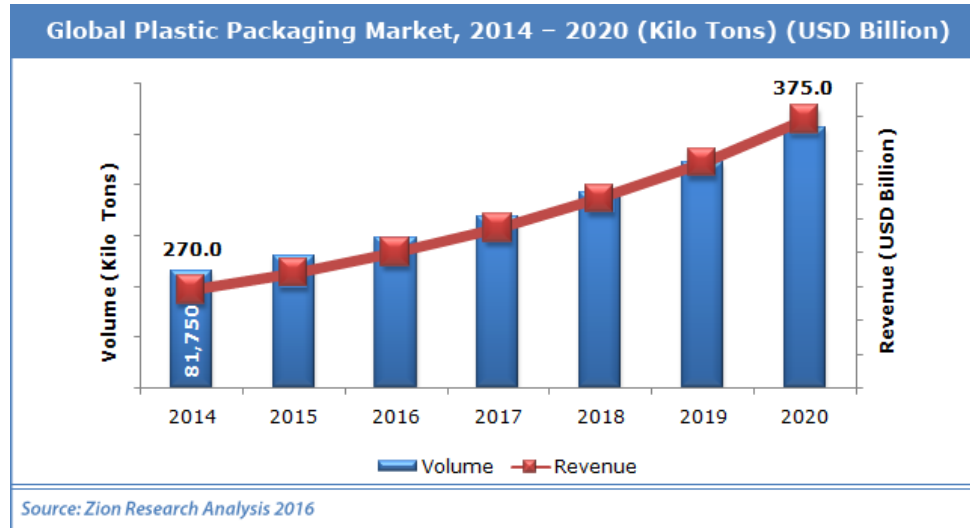
Source: Expert Interviews and MarketsandMarkets Analysis

Sustainable packaging is a growing industry



- **Global \$440.3 Billion by 2025**
- **CAGR of 7.7%**
- As consumers are becoming more concerned about their health and the environment, they prefer using packaging material which matches their healthy lifestyles. Environment-friendly material used for packaging is becoming widely popular.

Plastic Packaging Market



- \$270 billion in 2014
- \$375 billion by 2020
- CAGR growth is 4.8%
- 81,750 kilo-tons produced in 2014
- **\$40 billion annually** - the end-of-life cost of plastic packaging; plus the costs associated with the GHG emissions from its production.

Business Overview

Operations

- Manufacturing partners (6):

- China (2)

- Taiwan

- India

- Egypt

- UK

- Pilot projects:

- Electrolux AB (Stockholm, Sweden)

- BASF SE (Ludwigshafen, Germany)

- Beiersdorf AG (Hamburg, Germany)

- Google (Mountain View, California)

Business Overview

----- Intellectual Property

- United States Patent #9,481,500 (plastic blister-pack replacement)



- IP in development:
 - (1) Mars Wrigley (cocoa bean husk fiber)
 - (2) BASF/University of Maryland (wood nanofibers)
 - (3) University of Maine (nanocellulose)

Projects: past / present

Gnome
BY Groupon

 Electrolux

 **BASF**
We create chemistry





Beiersdorf



T-Mobile

nomiku

Google

STAPLES

Campbell's

COVERGIRL

MOO

Zume
PIZZA

 credo



ANTHROPOLOGIE



Titleist
#1 ball in golf.

 Reckitt
Benckiser

Circularity, Waste & Recycling



sugar cane bamboo wheat straw sorghum cotton kenaf pcr cardboard cocoa pod

bagasse – Karta-Pack™



bagasse – *Karta-Pack*™



cotton + bagasse



cotton + bagasse



natural bamboo



bleached bagasse



natural & bleached bagasse



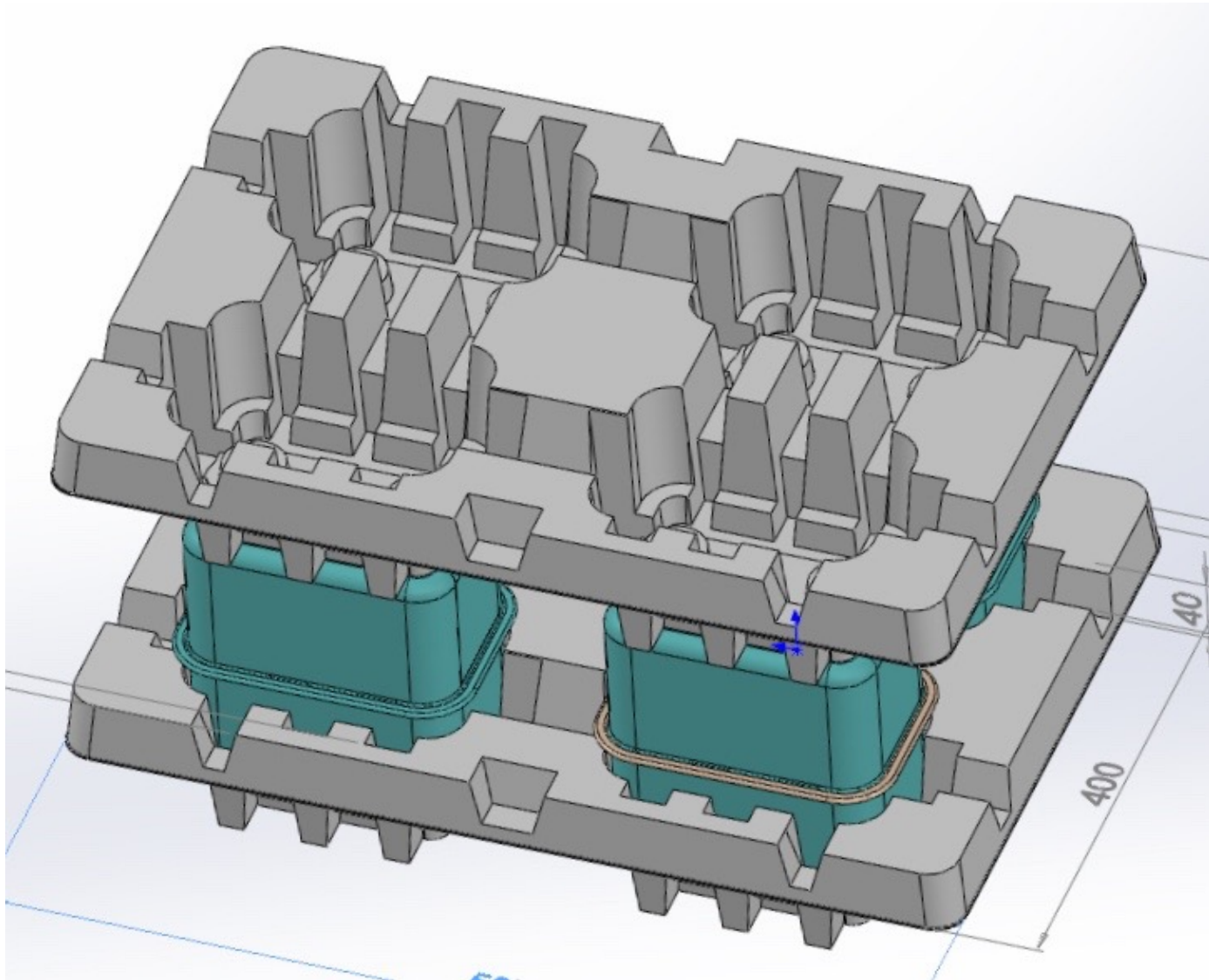
bleached bagasse



pcr cartons



pcr paper



bleached bagasse



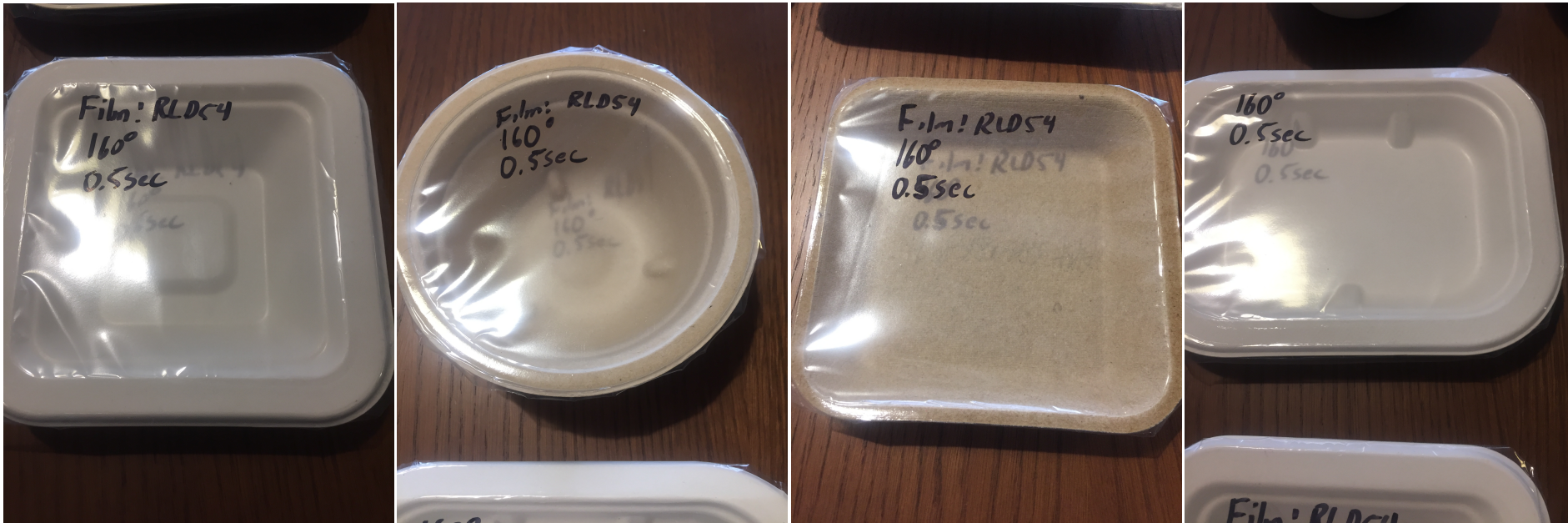
bleached & colored bagasse



pcr cartons & bagasse



rPET film seal on molded fiber



bagasse



pcr cartons



cotton + paper



Press coverage

San Francisco Chronicle

The New York Times

THE WALL STREET JOURNAL.

THE HUFFINGTON POST

THE INTERNET NEWSPAPER: NEWS BLOGS VIDEO COMMUNITY

Forbes

Money



PACKAGING
DIGEST
INDUSTRY LEADERS



Awards



TED Talk

