

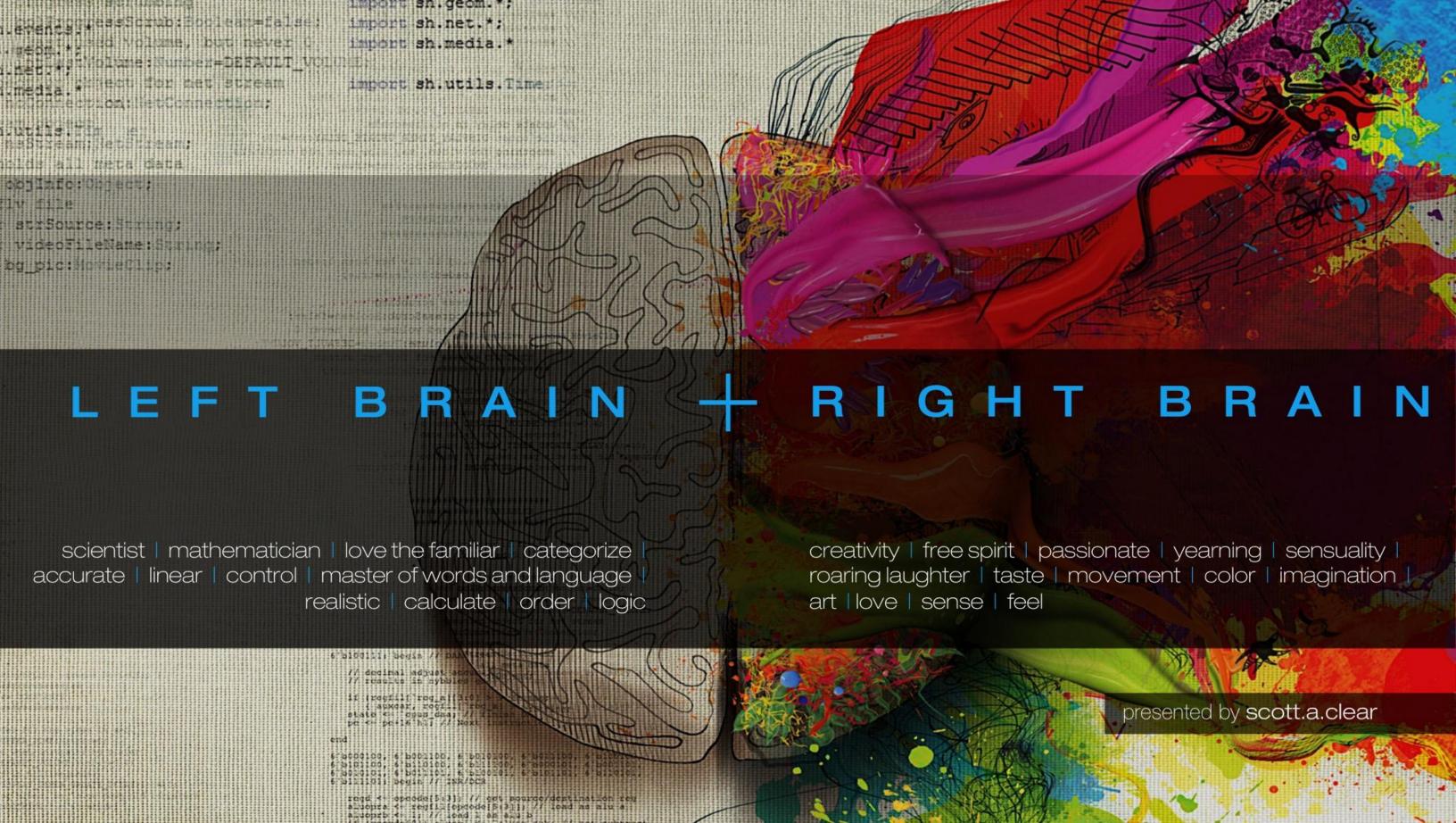
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pablo picasso's 'light drawings', 1949 image courtesy LIFE magazine – gjon mili

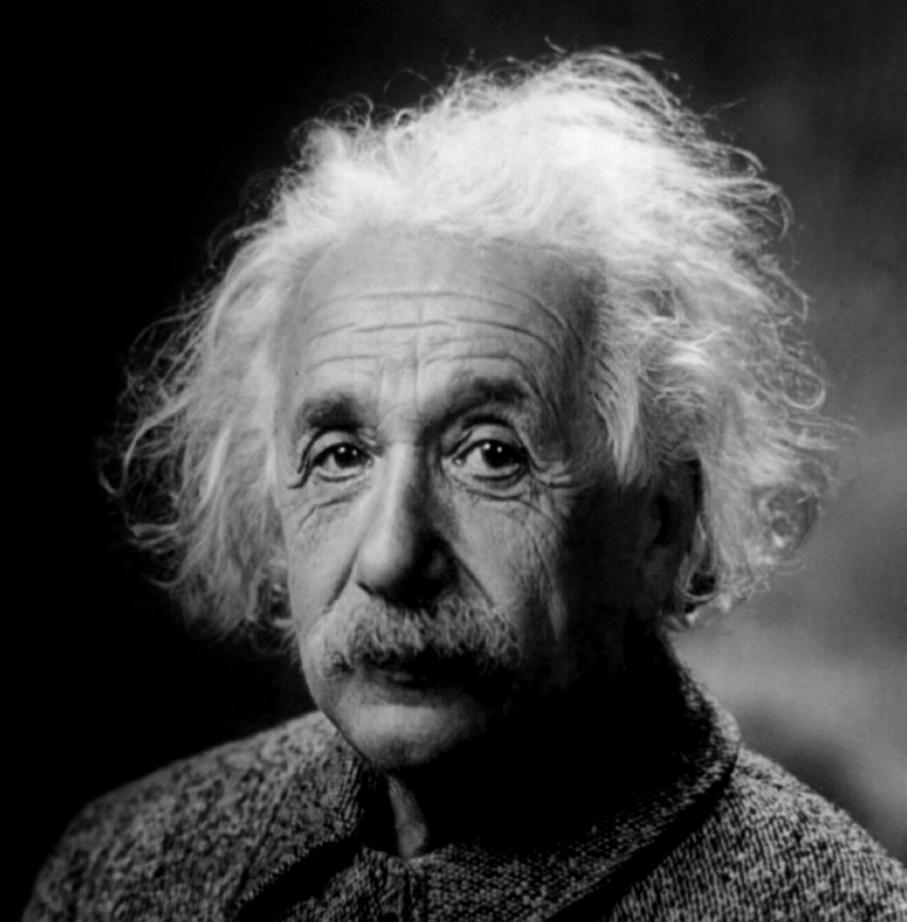
In 1949, LIFE Magazine's Gjon Mili, a technical wiz and lighting visionary, was sent to visit Picasso in the South of France where they combined artistic efforts to create an amazing set of photographs, rarely seen even today.

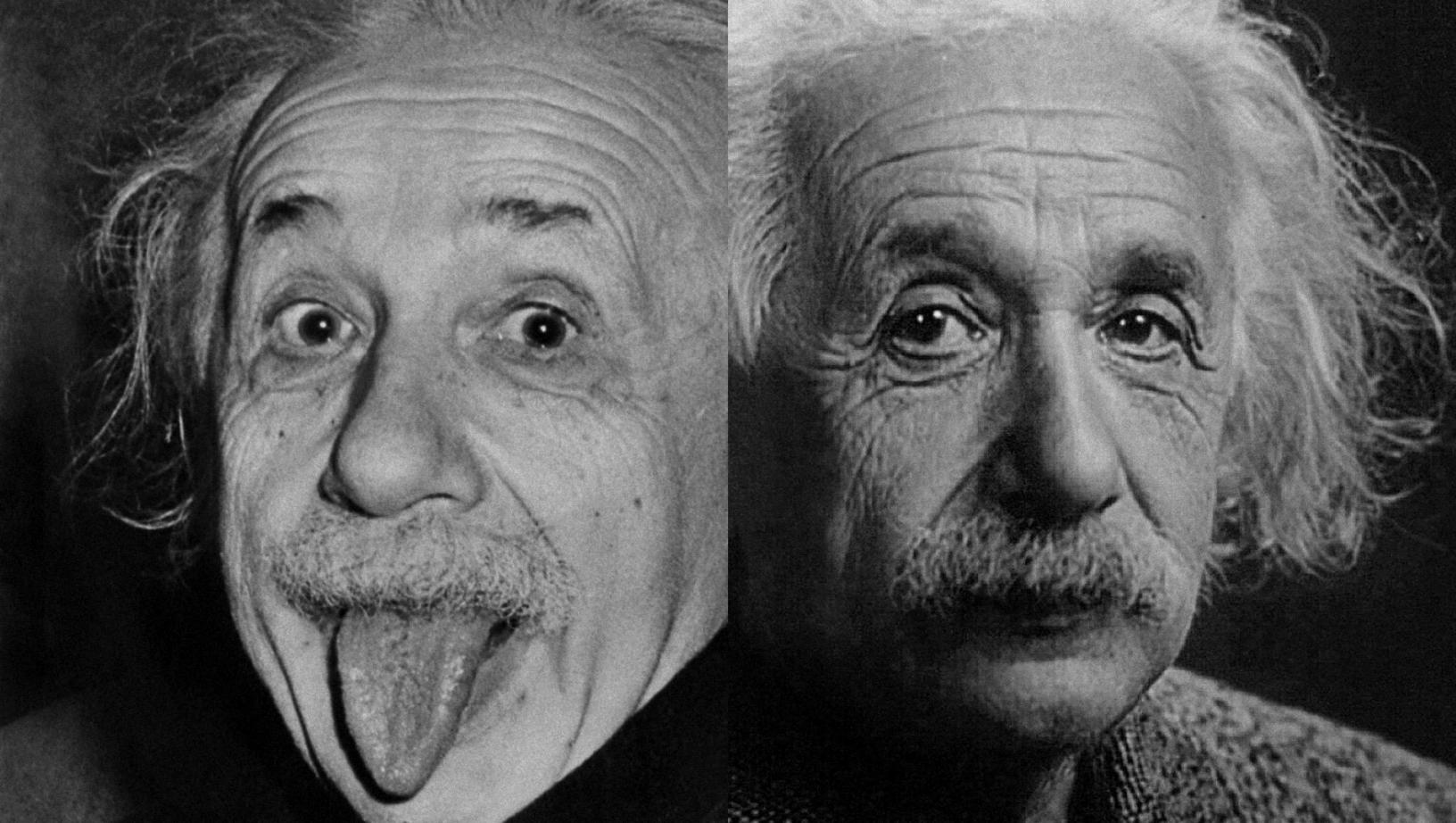




"We can't solve problems by using the same kind of thinking we used when we created them."

- Albert Einstein





INNOVATION STRATEGIES



INNOVATION STRATEGIES

BIOMIMETISM / BIOINSPIRATION

Accelerating nature's solutions to advance the creation and development of nature-inspired products, services, and processes. We help to transfer ideas into working models, novel technologies, and breakthrough designs.

DESIGN ETHNOGRAPHY

Observational research and prototyping assures effective and relevant user experiences and is a key research method. Through such tools and activities as role-playing, simulation sessions with props and prototypes, and carefully designed situations that highlight particular qualitative aspects of engagement, researchers can gain an understanding of people's impressions, reactions and opinions which help create an emotional connection to the product or service.

DESIGN PSYCHOLOGY & BEHAVIOR

Better design through understanding - we combine a unique approach with our knowledge of human behavior and design theories to make design more effective and easier for people to engage with your products and services.

MATERIAL SCIENCES

Having a comprehensive knowledge of material science and an understanding of the role materials play in design development can be key to innovation. We support all of your phases of development from strategy to manufacturing support. Contextual understanding gives you the knowledge to make the right material and process choices, saving time and money.

PROTOTYPING

Reducing risk by simulating key value proposition throughout the process – understanding the best solution through doing or subjectively experiencing something. Rapidly testing ideas allows you to identify the things that have the biggest and most relevant impact. Proper and iterative prototyping strategies deliver practical insight quickly that would otherwise take more time to gather through traditional approaches. Typically created as Conceptual, Visual or Functional Prototypes but we also perform Experience Prototypes.



FreshRealm.co

The start-up

Calavo and RFG Renaissance Food Group had capacity in their facilities they were looking to fill.

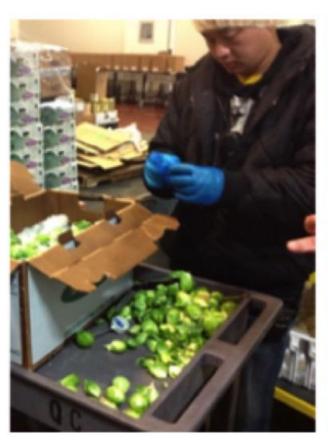
FreshRealm was founded in 2013 as a spinoff of Calavo Growers, which still holds a 50% stake. FreshRealm raised \$10 million

in 2014.



Understanding the current ecosystem and user needs

SHADOWING PACKING TO MEAL PREPERATION





To better position the FreshRealm technology and brand, the research team analyzed the current food production and delivery ecosystem; from growers, to pickers, to shippers and consumers.

CONSUMER REACTION

&



From meal preparation, to visual identity reactions the research team went into consumer's homes to observe and co-create.

Defining insights through user testing

UNDERSTANDING CONSUMER AND ECO-SYSTEM PARTNER KEY TRIGGERS



Sam, 51

Occupation:
Plant Manager

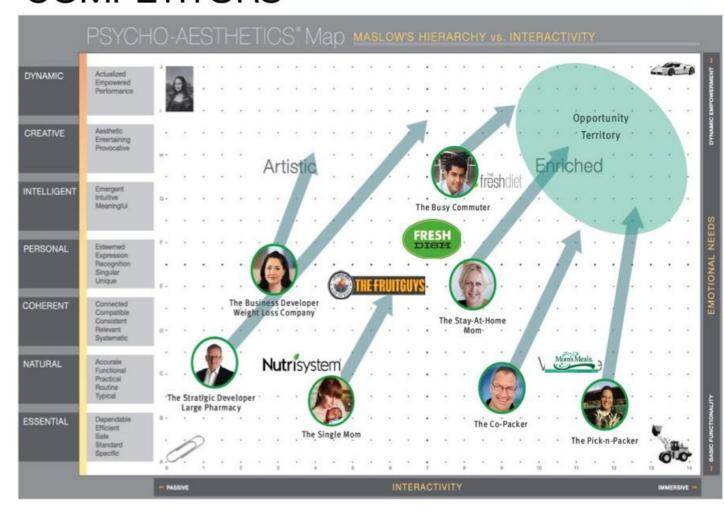
Income: 125K

Status: Married 2 Children





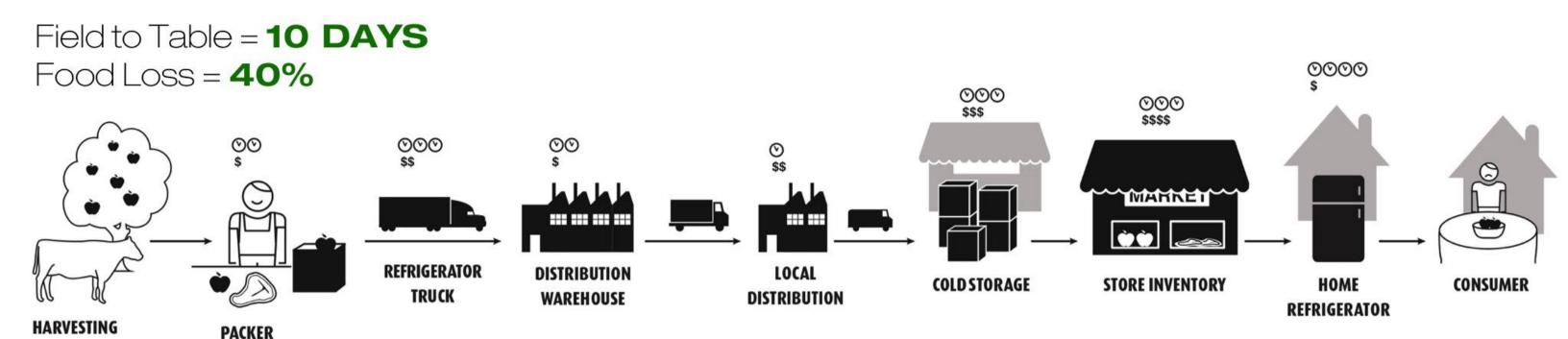
MAPPING USERS AGAINST COMPETITORS

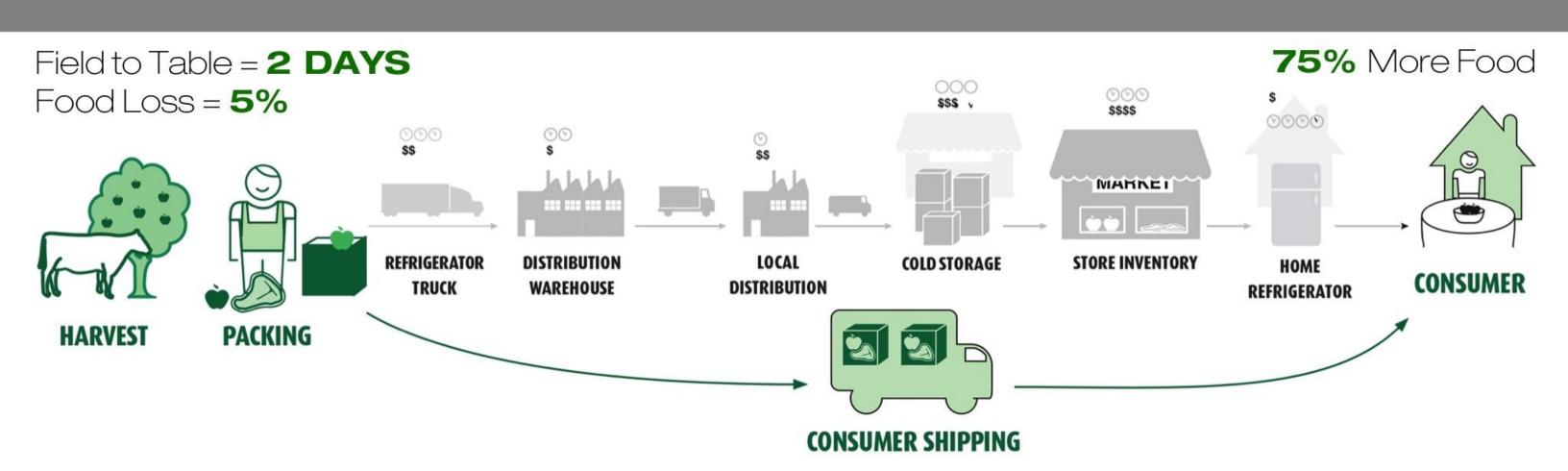


Understanding market issues









Farm-to-Table Overnight



We love good food & hate cardboard boxes

The Solution

Maintains less than 40 degrees for over 40 hours

Minimizes waste of materials used with the current methods

Reusable for over 100 round trips (then recycled after life)

Ships round trip for \$11 in a 17" cube

Goes from the field to your table in less than 2 days

All of your delicious and fresh ingredients come fully prepped

Meals based on the time you have from 3 or 30 minutes



We love good food & hate cardboard boxes

The Market

The meal kit delivery service has rapidly expanded to a \$1.5 billion industry and experts predict that number to double in the next few years.

Currently, there are approximately 170 companies involved in the meal industry



We love good food & hate cardboard boxes

The taste makers! - Instant commercial success



\$4.50/serving



ADD 1





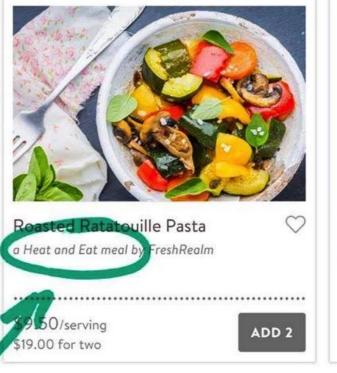


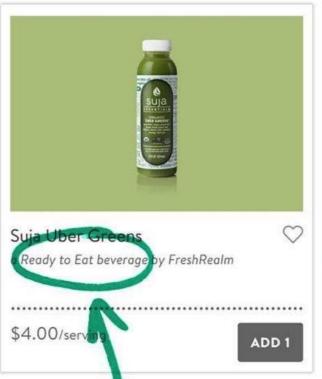


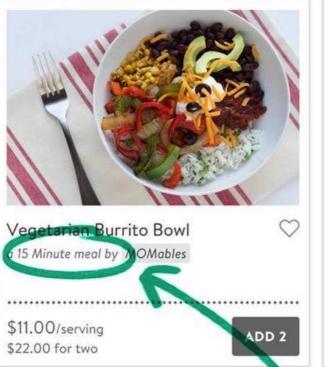








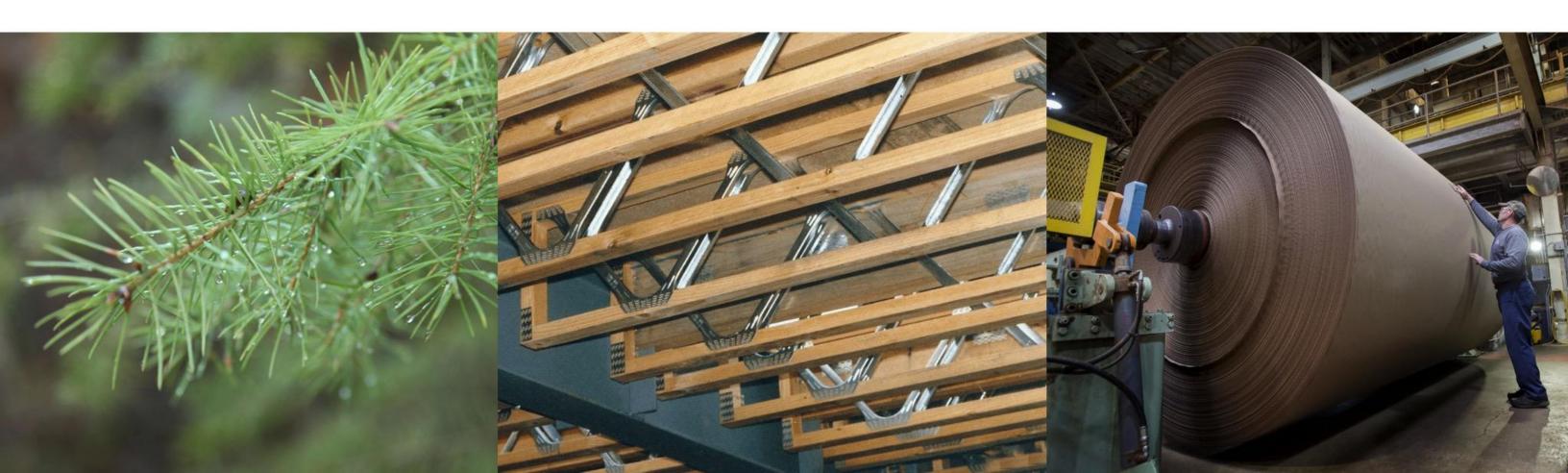








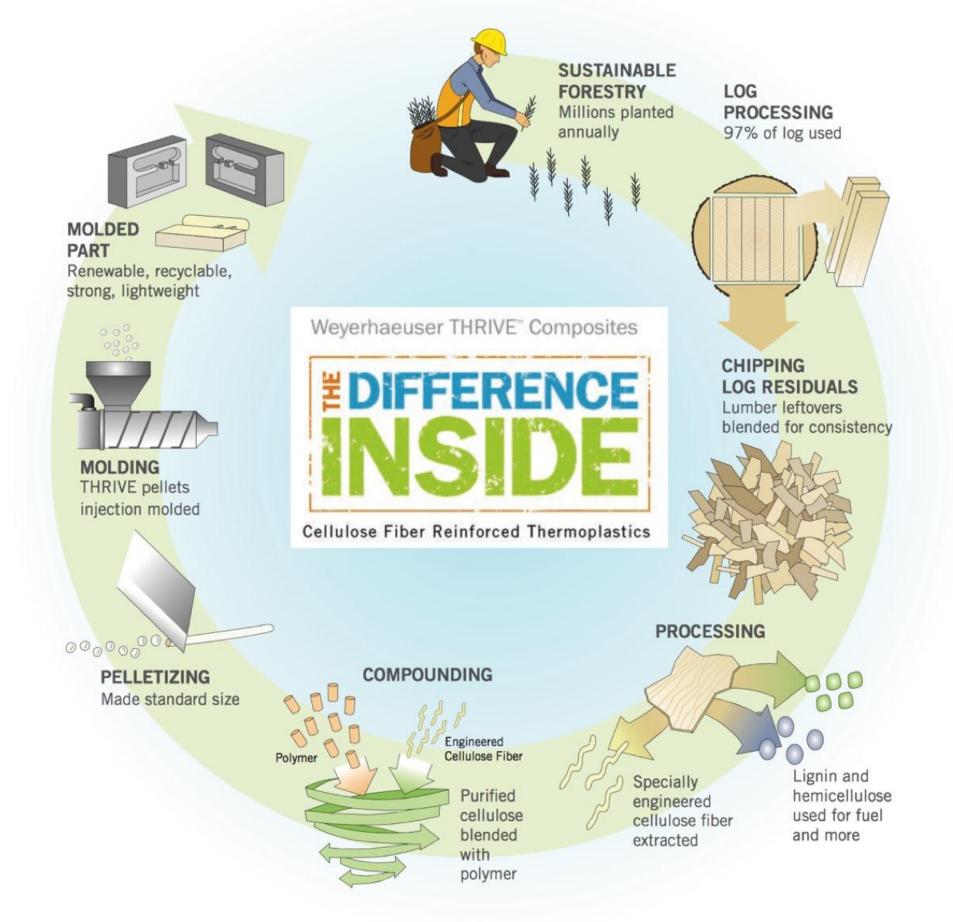
Meyerhaeuser



THRIVE

Weyerhaeuser THRIVE composites are cellulose fiber reinforced thermoplastics.

Cellulose fiber is one of the most common organic compounds on the planet, cellulose fiber is also one of he world's most useful natural materials. Found in most plants, it is the main component of cell walls and gives wood its remarkable strength and resilience.















0 min. 1-10 min. 10-20 min.

formulation = THRIVE + cellulose acetate propionate







20-30 min.

40-50 min.

50-60 min.

formulation = THRIVE + cellulose acetate propionate







THRIVE + CAP running successfully on the production extruders

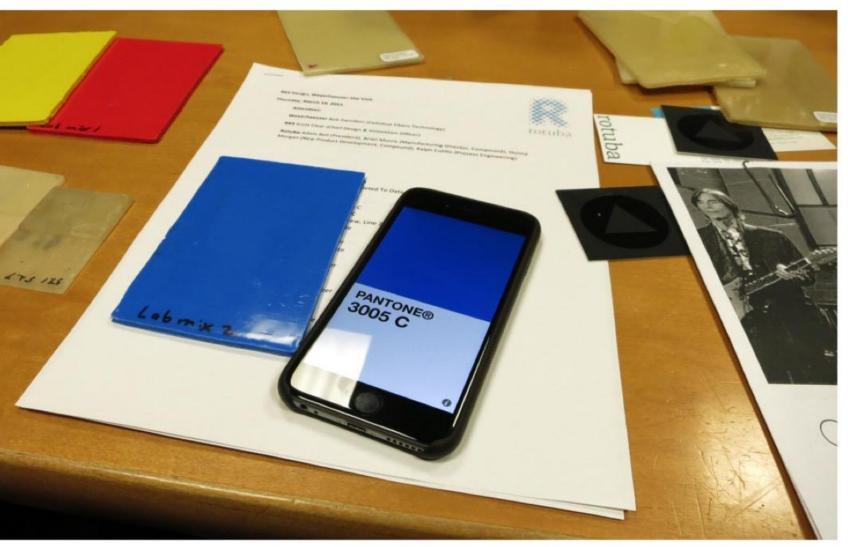








yep... just like money







THRIVE + CAP running the color test successfully... but what if?



THRIVE fibers are sprayed with water soluble dye

(up to 60% reduced cycles times)







dyed THRIVE fibers explored for unique aesthetics

RKS guitars

Music has changed the world for so many and it's a universal language that crosses all culture and borders. Guitars are symbolic of much more than music, they represent the ability to connect to people emotionally.

RKS designed a guitar that enhances on the traditional guitar's shape, ergonomics, tone and aesthetics to improve guitar players' experience while using only renewable resources.

BusinessWeek magazine featured a neon green RKS "Pop Series" guitar on the front cover of its July 2005 issue, in celebration of RKS Guitars' two IDEA awards.



RKS guitars



An award winning guitar celebrated by legendary musicians

RKS 10th year anniversary diamond edition



Hand-building twelve unique one-of-a-kind guitars

RKS 10th year anniversary diamond edition



Michael "Fish" Herring - testing out the prototype

RKS teaches, lectures, mentors and advises

Columbus College



MARSHALL

SCHOOL OF

BUSINESS























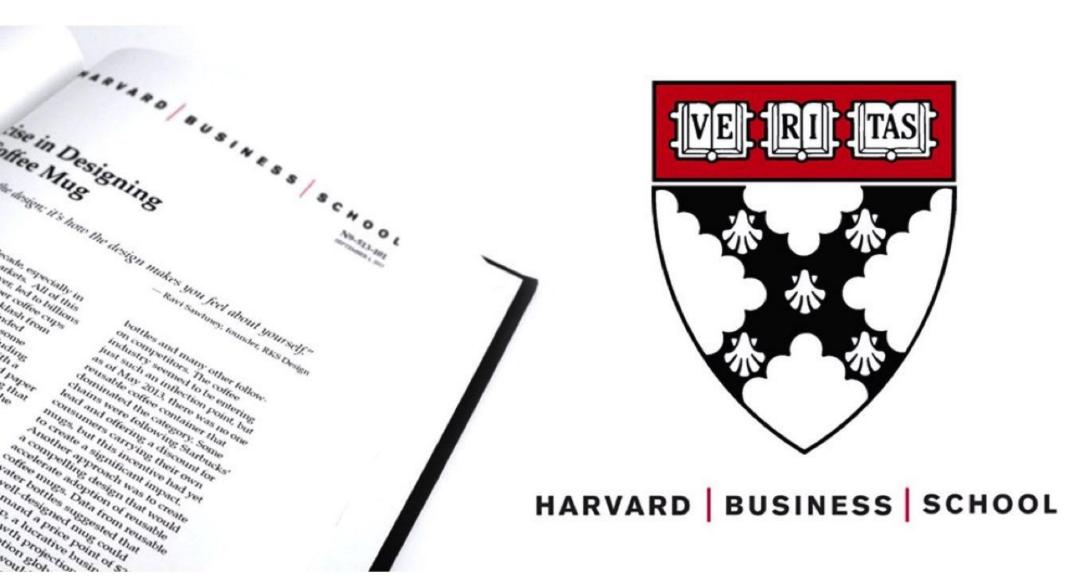


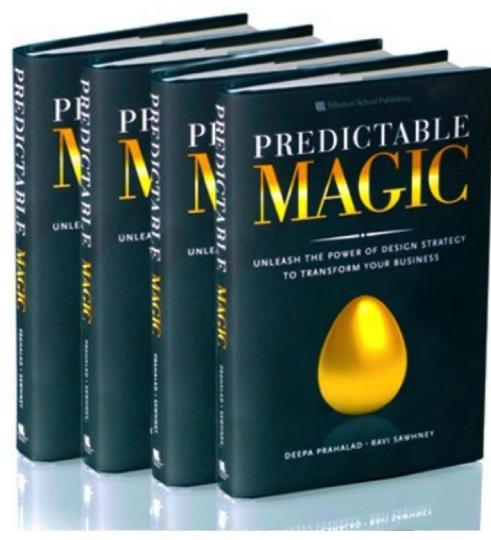






RKS Harvard Case Study, Harvard Exercise & Business Book

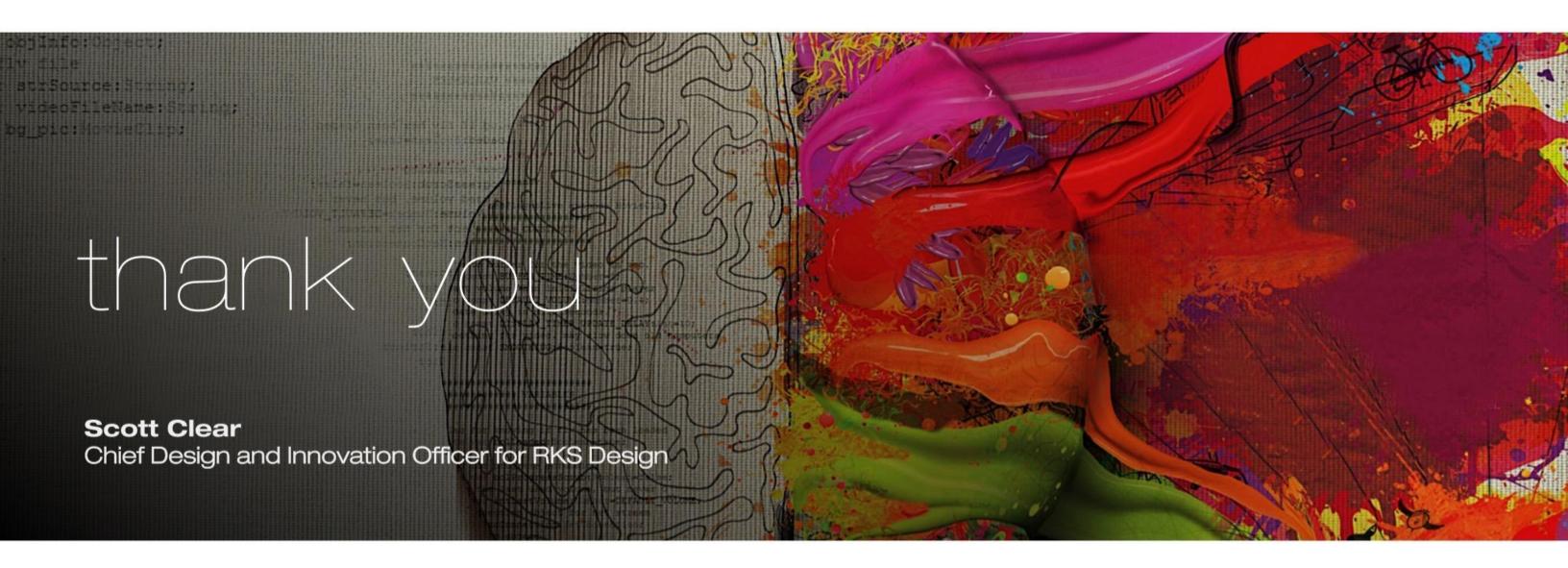












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