

# BE CREATIVE *AND INNOVATIVE*



# How many items can you see that are made of cotton?





# The cotton market is enormous



COTTON MARKET SIZE

## CONVENTIONAL

Cotton yarn produced per year



COTTON MARKET SIZE

## PREMIUM, HIGH QUALITY

Cotton yarn produced per year



COTTON MARKET SIZE

## ORGANIC, SUSTAINABLE, BETTER

Size of identity cotton<sup>1</sup> sourced in 2019



**+35%  
(CAGR)**



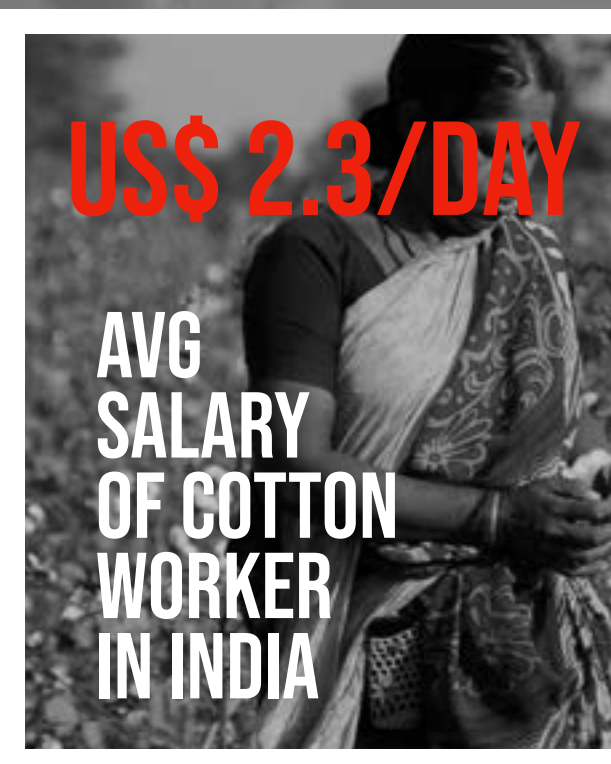
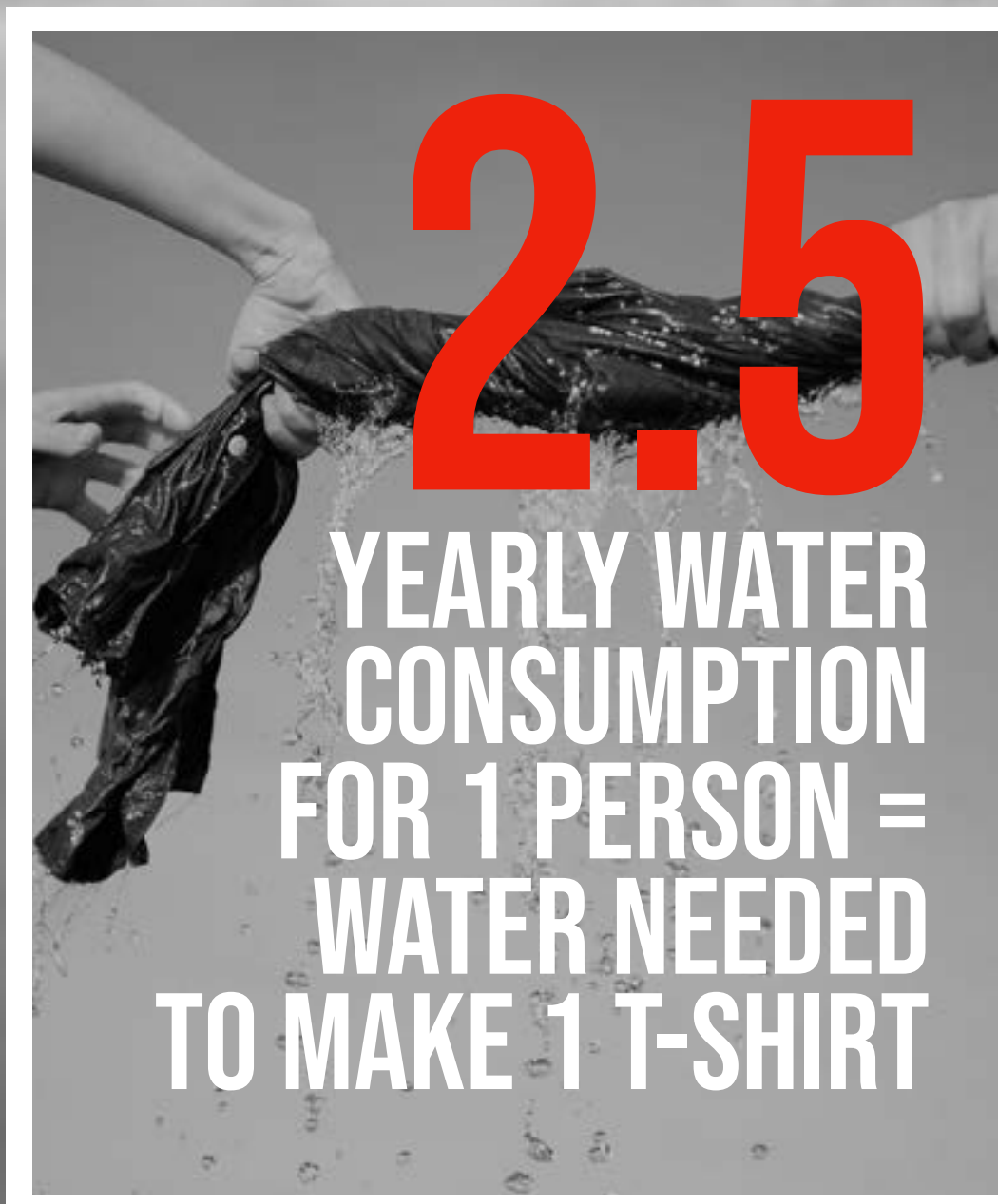
Early  
adopters  
of more  
sustainable  
solutions

1. Identity cotton = BCI cotton + organic cotton + fair trade cotton + CmiA (Cotton made in Africa)

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But it **costs** over **US\$ 12BN+** to our planet





# So we figured out how to use synbio to produce cotton in the lab



## GALY LAB GROWN COTTON



### IP protected

5 patents  
Trade secrets  
First plant cell culture  
platform in the world

### Higher quality

100% Purity  
Bespoke quality  
Special performance can  
easily be added

### Cheaper

Low quality cost:  
ours \$2/lb **VS.** theirs \$6/lb  
High quality cost:  
ours \$2/lb **VS.** theirs \$25/lb  
100x more productive

### More sustainable

80% less resources  
(water, land, energy)  
10x faster  
Carbon negative

\*Numbers presented considered scenario at scale production

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# And we have the best team in the planet to make it happen



**Dr. David Dodds**

PhD Organic Chemistry & Post-doc Molecular Biology

## CTO

- 30+ years of experience in chem/bio process scale-up
- Ex-Director at Bristol-Myers Squibb
- World reference in process scale-up



**Luciano Bueno**

BBA & Executive Education

## CEO & Founder

- 10+ years of experience in consulting, VC and entrepreneurship
- Forbes 30U30; Extraordinary Ability visa
- Stanford, Harvard and MIT alumni



**Dr. Paula Eibl**

PhD Plant Biology & Post-doc Plant Science

## CSO & Co-Founder

- 15+ years of experience in plant cell culture and micropropagation
- 7+ years post-PhD in plant biology
- 100+ citations in plant science

## Scientific Advisory Board



**Somen Nandi**

UC DAVIS Professor  
World expert in cell culture scale-up



**Charlie Cooney**

Chair of the SAB  
MIT Professor Emeritus  
World expert in bioprocess engineering



**Karen McDonald**

UC DAVIS Professor  
World expert in plant cell culture



**Burak Cakmak**

Fashion Commission  
CEO, Saudi Arabia  
Ministry of Culture



**Carmichael Roberts**

Material Impact Founder,  
Breakthrough Energy  
Ventures Investment  
Committee



**Ryan Bethencourt**

Wild Earth CEO,  
IndieBio Co-Founder





Do you wanna know more?

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