

Sustainable textile dyeing with synthetic biology

We are the only dyeing technology that exclusively uses renewable resources

Green Chemistry & Commerce Council, 7 May 2019

Dr David Nugent Chief Commercial Officer



NATURAL PIGMENTS







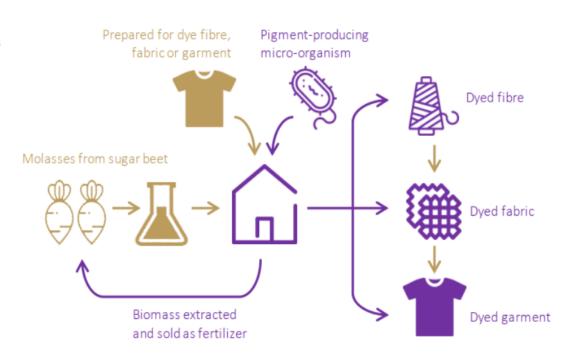




OUR SOLUTION



- → Microorganisms engineered to produce, transfer and fix pigments onto substrate
- → Zero hydrocarbons. Less water. Less energy.
- → No hazardous chemicals
- → Industrial fermentation. Existing dye machines
- ightarrow Natural and synthetic fibres
- → Excellent performance



OUR BUSINESS MODEL



→ Colorifix will generate revenues directly through the provision of dyeing services and via royalties from dyehouse adopters

Commercial model

Direct dyeing services

In-house fermentation and dyeing for small scale (<100kg) batches

Licensing

Engineered microbes provided under Material Transfer Agreement



Revenues based on fabric weight or garment quantities

Fermentation

Large-scale microbiological production of pigments

Dyer and finisher

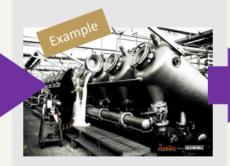
Pigments transferred to fabrics using standard dye machines

Brand or retailer

Specifies fabric type, colour and performance targets









Revenues based on weight of dyed fabric

OUR TEAM



SME Instrument core team



Dr Orr Yarkoni
Chief Executive Officer
Highly experienced synthetic
biologist. Led Series A investment.
Forged initial Colorifix partnerships



Dr David Nugent
Chief Commercial Officer
Highly experienced business
development. Responsible for
Colorifix commercialisation



Dr Jim Ajioka
Chief Scientific Officer
Cambridge University lecturer.
Co-Director Synthetic Biology
Strategic Research Initiative



Chris Hunter
Operating Partner
Investment manager at Impact
Ventures and helped forge initial
Colorifix partnerships



Advisory panel



Clarisse Reille
Colorifix ANDAM mentor
Director General of DEFI La Mode de
France, Clarisse sits at the epicentre of the
French fashion industry



Erik Karlsson

Colorifix Board observer
Investment Manager, H&M CO:LAB,
Erik integrates Colorifix into the H&M
global supply chain



Wolfgang Hafenmayer
Colorifix Director
MD Challenger 88. Highly experienced
SME scale-up and sustainability expert

IN CONCLUSION



- → Colorifix will **revolutionise** the global textile dyeing industry
- → Our process is proven and highly scalable
- → Delivers real sustainability benefits
- → Engaging with **strategic partners** across textile supply chain



