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

Coccinellids

Murex snail

Indigofera
→ Microorganisms engineered to produce, transfer and fix pigments onto substrate
→ Zero hydrocarbons. Less water. Less energy.
→ No hazardous chemicals
→ Industrial fermentation. Existing dye machines
→ 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.

**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 fabric weight or garment quantities.

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