



brilliant dyes

Innovating natural dyes for sustainable textiles, cosmetics & foods

Synthetic dyes today

Issues & concerns

CONTEXT

VALIDATION

NEXT STEPS



3%

Global CO₂ Emission

(Source: [BBC News](#))



20%

Global water pollution

(Source: [European parliament report](#))



Our solution - algae dyes

Bright & Sustainable

CONTEXT

VALIDATION

NEXT STEPS

With a patent pending dye extraction system



Brilliant Red



Brilliant Blue



Brilliant Green



Brilliant Yellow

100 %

Biodegradable

0 %

Waste production



End-to-End solution

For textiles

CONTEXT

VALIDATION

NEXT STEPS

Cultivate



Algae cultivation
(Know-hows)

Extract



Extraction process
(1st Patent, PCT)

Purify



Advanced purification
(Know-hows)

Dye



Novel dye fixing
(2nd Patent)



For Fashion Industry (Textiles and Cosmetics)

Extracted dyes



Brilliant Green



Brilliant Yellow



Brilliant Blue



Brilliant Red



Enzyme-based low-energy dyeing process with high wash fastness grade achieves up to 4 out of 5

CONTEXT

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NEXT STEPS



Novel eyeshadow formulation (with algae-based colours and natural ingredients).



Natural Dyes Ecosystem

CONTEXT

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Competitors	Carbon-negative	Continuous and scalable	Low-cost extraction	RGB dye model	Low resource intensity
 brilliant dyes	✓	✓	✓	✓	✓
SeaDyes	✓	✗	✗	✗	✓
Sparxell	✗	✗	✓ (⚠ Plant-based)	✗	✗
Algaeing	✓	✗	✓ (⚠ genetic modification)	✗	✗
Living Ink	✓	✗	✓	✗	✗
ColoriFix	✗	✗	✓ (⚠ genetic modification)	✗	✗

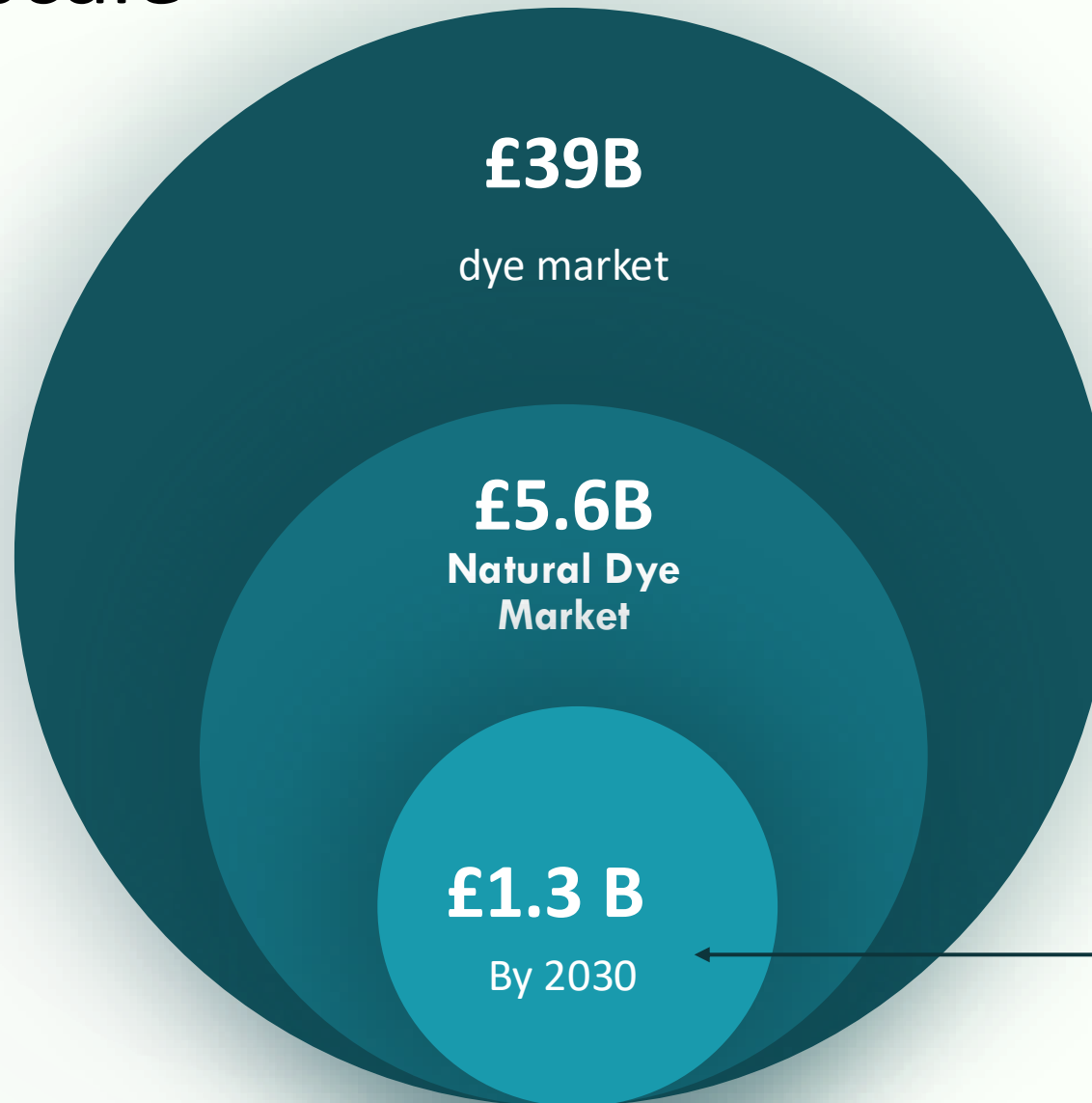


Potential to scale

CONTEXT

VALIDATION

NEXT STEPS



4-5 % CAGR

3 %
leverage

7-8 % CAGR



6 LOIs

For trials, commercial validation & co-development

CONTEXT

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RDD Textiles LDA



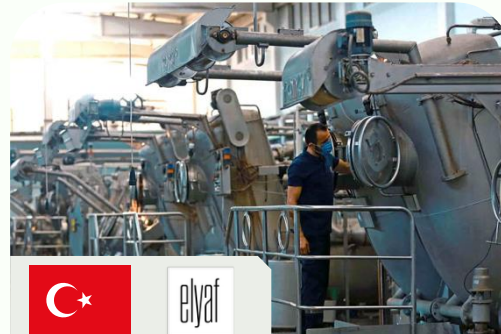
Al-Karam Textiles Mills



Schofield Dryers
& Finishers



SÜSS Fabrics



Elyaf Tekstil

Interest from 50+
brands including:

L'ORÉAL

H&M RALPH LAUREN



Products Showcase

Imperial Sustainable Fashion and Manufacturing Future 2026

CONTEXT

VALIDATION

OUTCOMES

NEXT STEPS

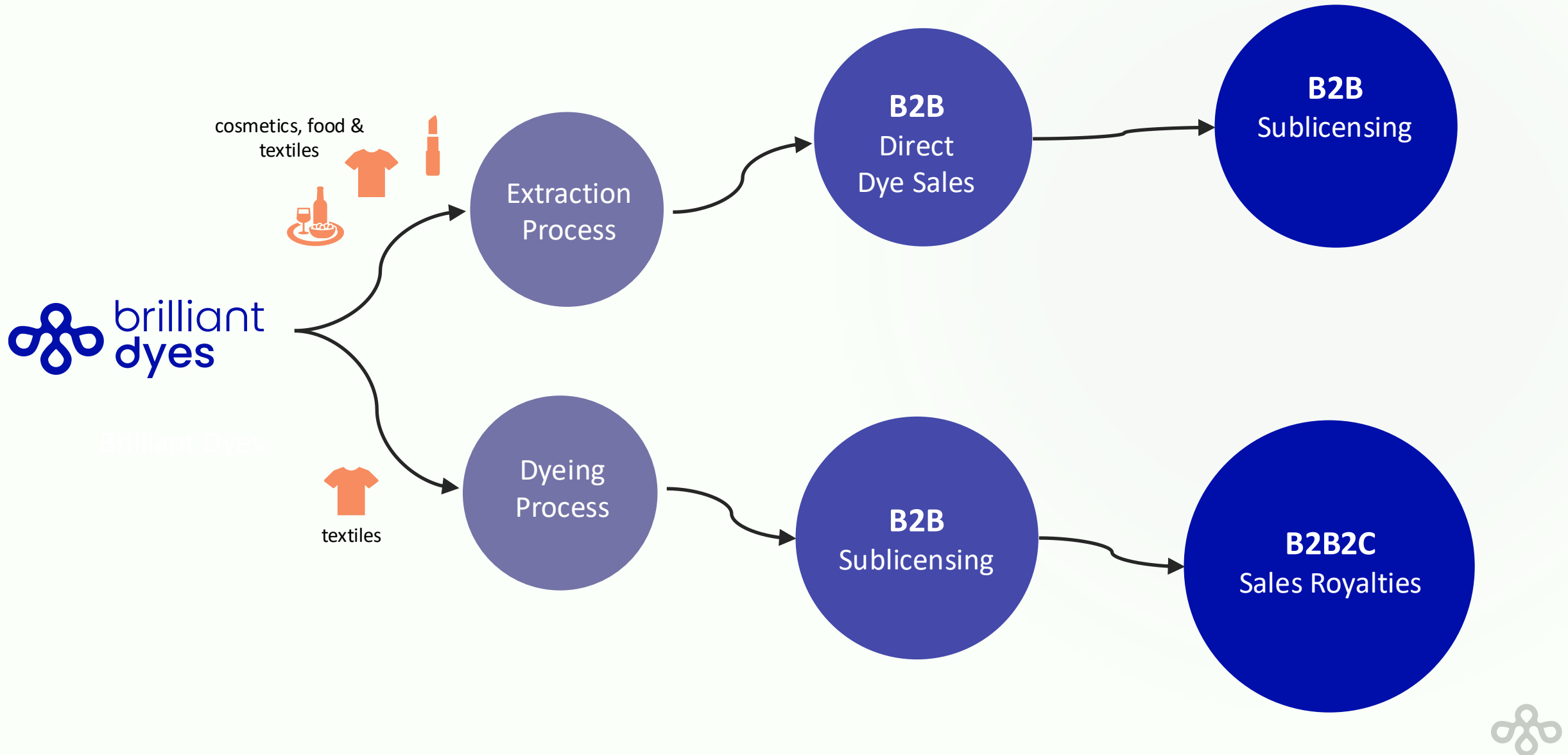


Go-to-Market Pathways

CONTEXT

VALIDATION

NEXT STEPS



Value proposition

CONTEXT

VALIDATION

NEXT STEPS

90%

Less water
used

75%

Less energy
required

50%

Lower operational
costs

10ton

CO2 cut per
ton of dyes



Our Team

CONTEXT

VALIDATION

NEXT STEPS

CO-FOUNDERS



CEO

Redwan Rahman



CTO

Dr Md Tabish
Noori



CSO

Professor
Klaus Hellgardt

Advisors



Textiles

Professor Danmei Sun



Business

Development
Antonella Socci

R&D Team



Automation Engineer

James Hauser



Analytical Chemist

Camilla Huemer



Research Associate

Sylvia Donkor



Product Formulation

Nora Dandjee



Product Development

Diya Agrawal

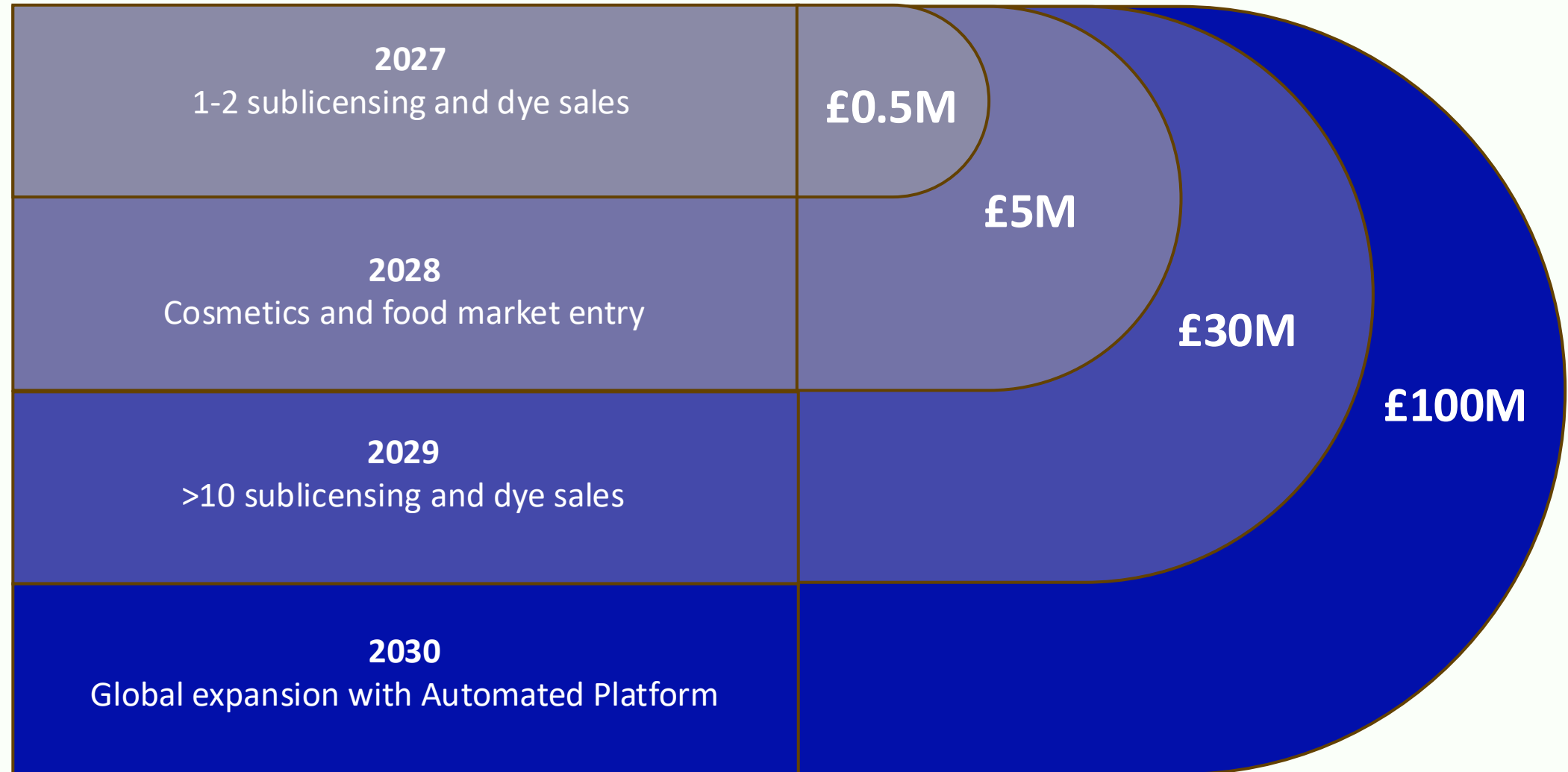


Future Growth plan

CONTEXT

VALIDATION

NEXT STEPS



Grants Secured



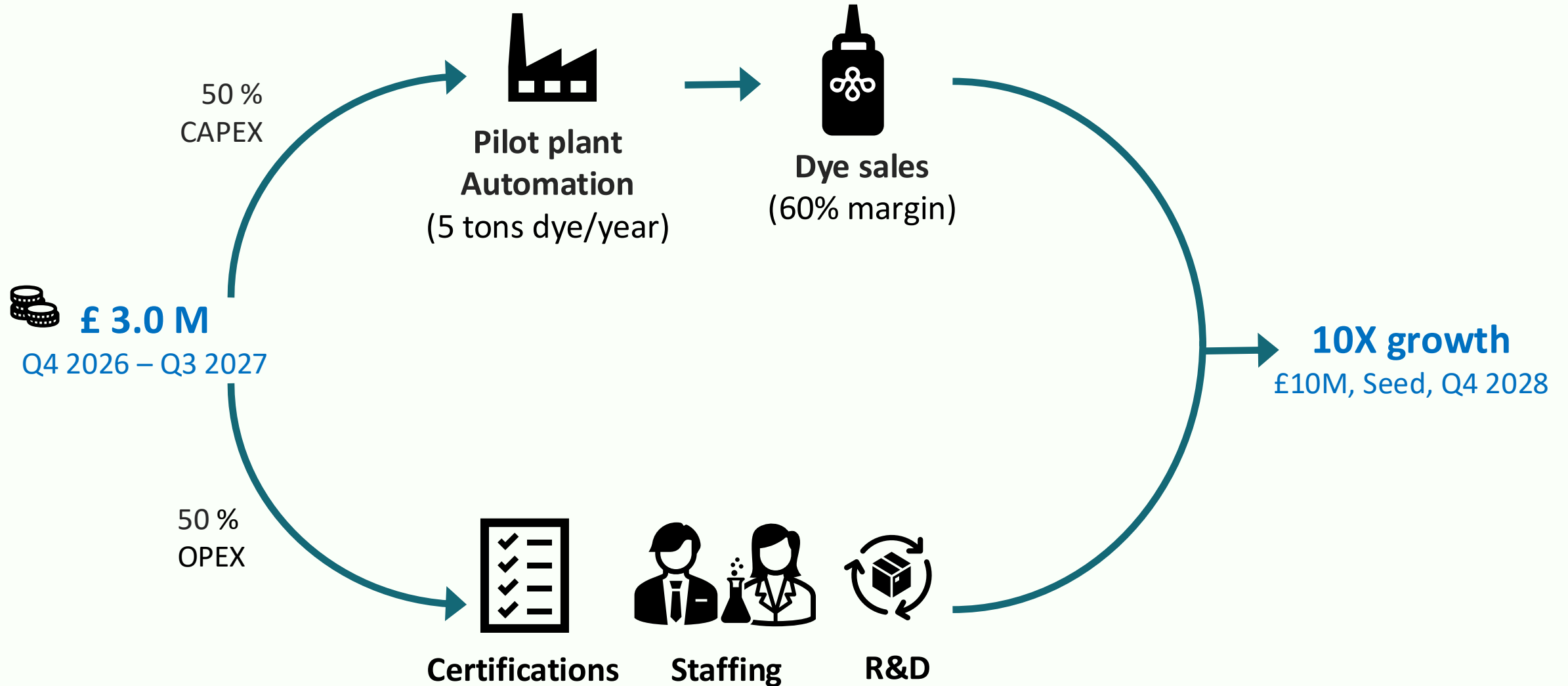
Pre-seed investment

CONTEXT

VALIDATION

NEXT STEPS

Value for money



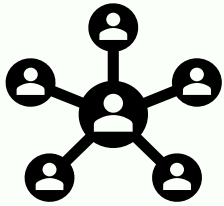
Next steps

& where you can intervene

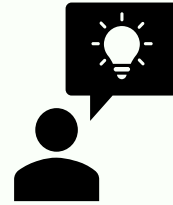
CONTEXT

VALIDATION

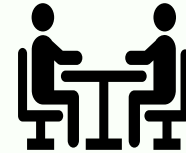
NEXT STEPS



**Collaboration &
Connection**



**Advice/
Mentoring**



**Invest &
scale**





www.brilliantdyes.com

redwan@brilliantdyes.com

