



Innovation with impact

ACIG: Funding innovation in UK aquaculture

30 June 2022 – Heather Jones, CEO

sustainableaquaculture.com



SAIC's mission

TO REDUCE THE ENVIRONMENTAL FOOTPRINT AND
INCREASE THE ECONOMIC IMPACT OF AQUACULTURE

Our purpose

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graph TD; A((Our purpose)) --- B((Transform UK aquaculture)); A --- C((Unlock sustainable growth)); A --- D((Innovation excellence)); A --- E((Facilitate funding)); B --- B1[Drive change with pace 10-20 year programme]; C --- C1[Social licence]; C --- C2[Better regulation]; C --- C3[New farming solutions]; D --- D1[Excellent science]; D --- D2[Widespread adoption]; D --- D3[Learn from failure]; E --- E1[Commercially relevant]; E --- E2[Collaborative research]; E --- E3[Multiple partners];
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Transform UK aquaculture

- Drive change with pace 10-20 year programme

Unlock sustainable growth

- Social licence
- Better regulation
- New farming solutions

Innovation excellence

- Excellent science
- Widespread adoption
- Learn from failure

Facilitate funding

- Commercially relevant
- Collaborative research
- Multiple partners

SAIC's innovation programme is delivered through three key workstreams:

DRIVING INNOVATION



Enabling research
& development and
collaborative projects

NURTURING INNOVATION



Supporting the next
generation of innovative
leaders

SHARING INNOVATION



Facilitating knowledge
exchange, networks
and events

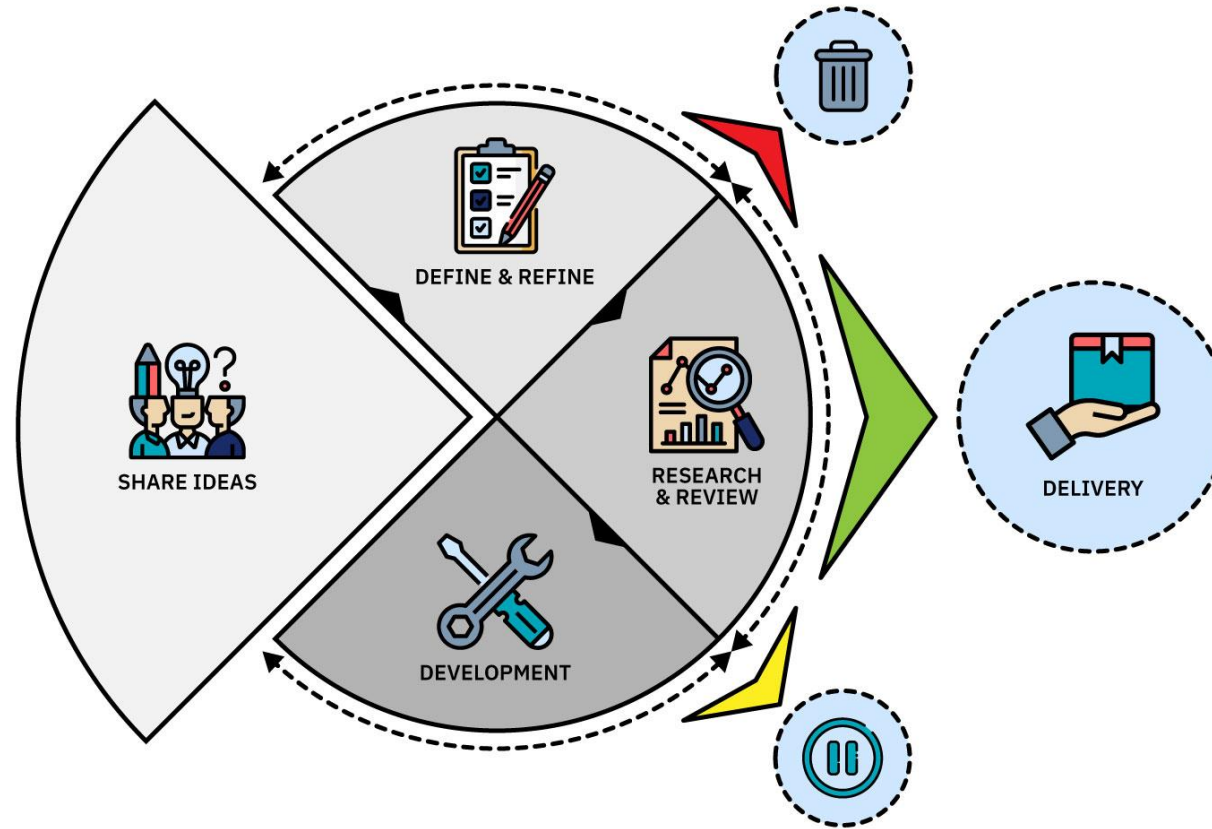
PRIORITY INNOVATION AREAS

Our work is focused on catalysing and co-funding innovation in the areas identified by the industry as being genuine priorities. We call them our priority innovation areas – or PIAs for short.

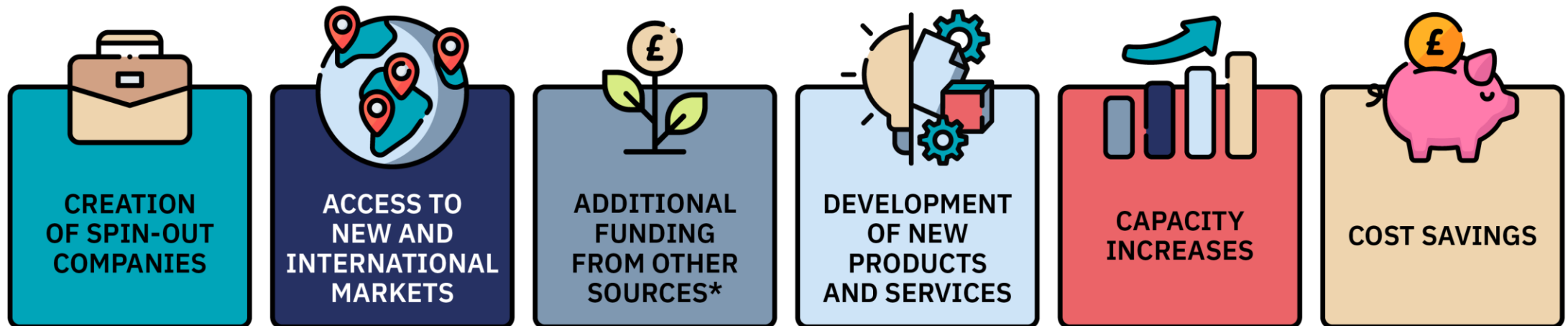
INNOVATION AREAS



From idea to delivery



SAIC projects lead to long-term impacts



**European, City Deals,
UK Research Bodies*

Impact of SAIC activities

£50m

SAIC projects will contribute to an increase in aquaculture turnover of £50m per year by 2026, of which £30m is directly attributable to SAIC.

600

SAIC projects are forecast to create 600 new FTE jobs by 2026.

£52.7m

The total value of the 60 projects assessed was £52.7m. Of this, 60% (£31.4m) was contributed directly by industry partners.

£18.6m

SAIC has turned £8.8m of public funding into more than double that amount by bringing a further £9.8m from other UK/EU funding sources into Scottish research and innovation projects.

x4.67

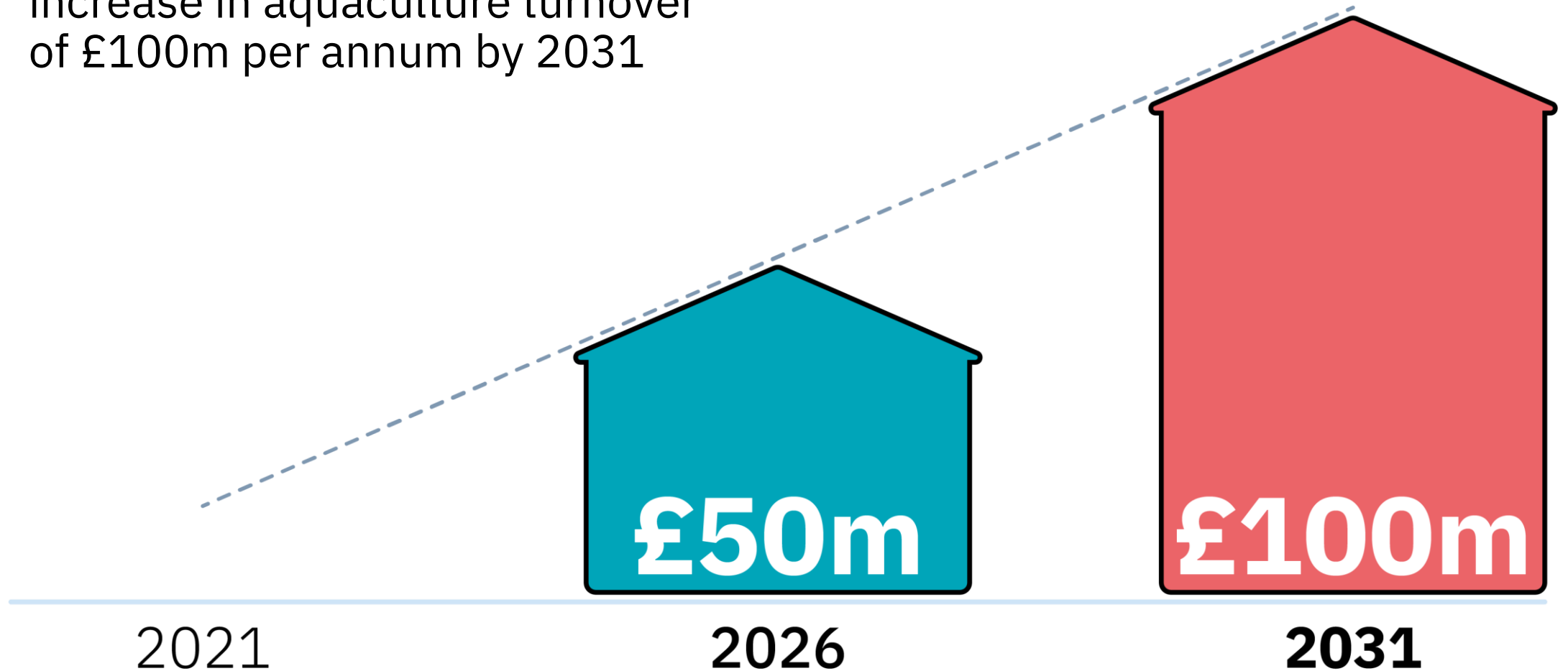
For every £1 of SAIC funding given to research projects, a further £4.67 is leveraged from industry and other funding sources.

**INCREASED
PRODUCTIVITY**

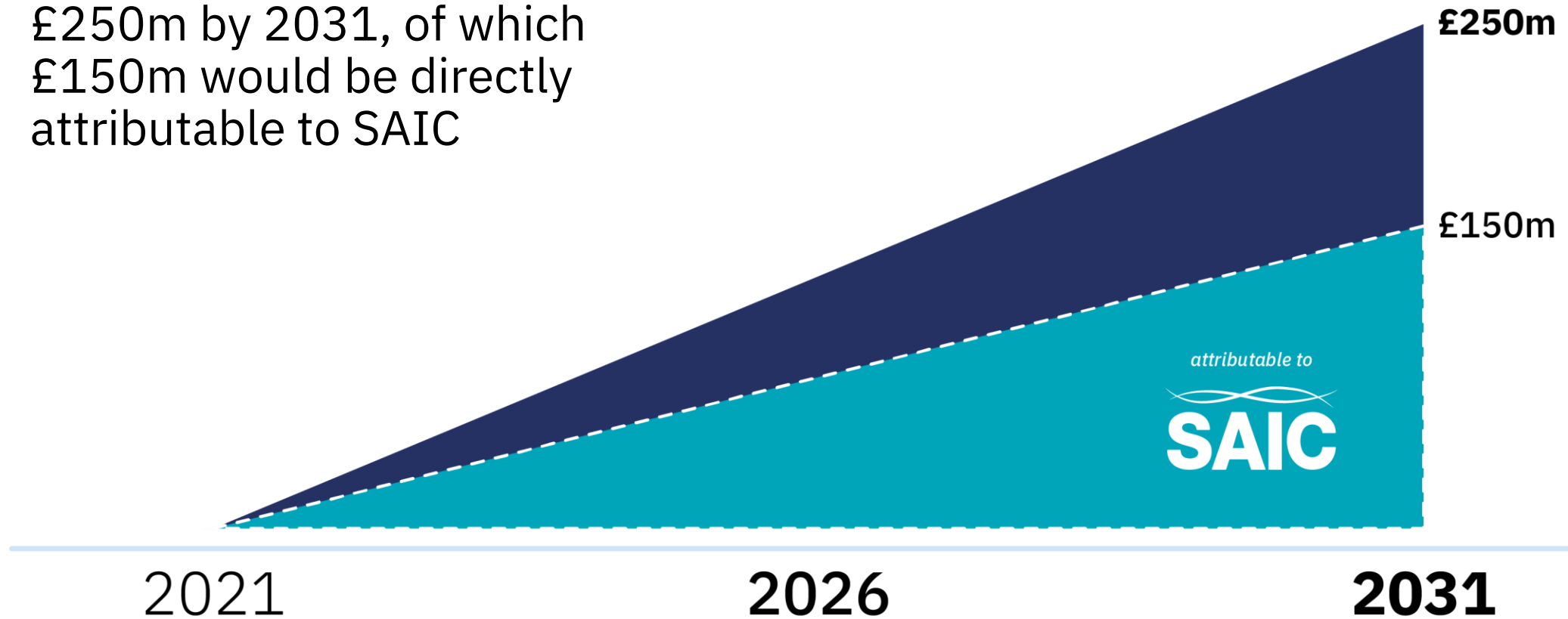
SAIC activities also contribute to increased productivity, improved fish health and welfare, spin-out businesses, new markets, and new recruits into Scottish aquaculture.

* Independent economic impact report by Frontline Consultants and economist Steve Westbrook, based on 60 SAIC-funded projects, October 2021

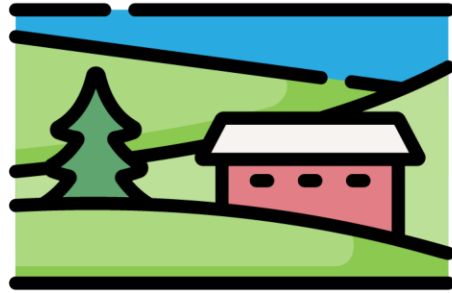
SAIC's 60 projects funded to date could generate a net increase in aquaculture turnover of £100m per annum by 2031



Cumulative production value from SAIC projects may reach £250m by 2031, of which £150m would be directly attributable to SAIC



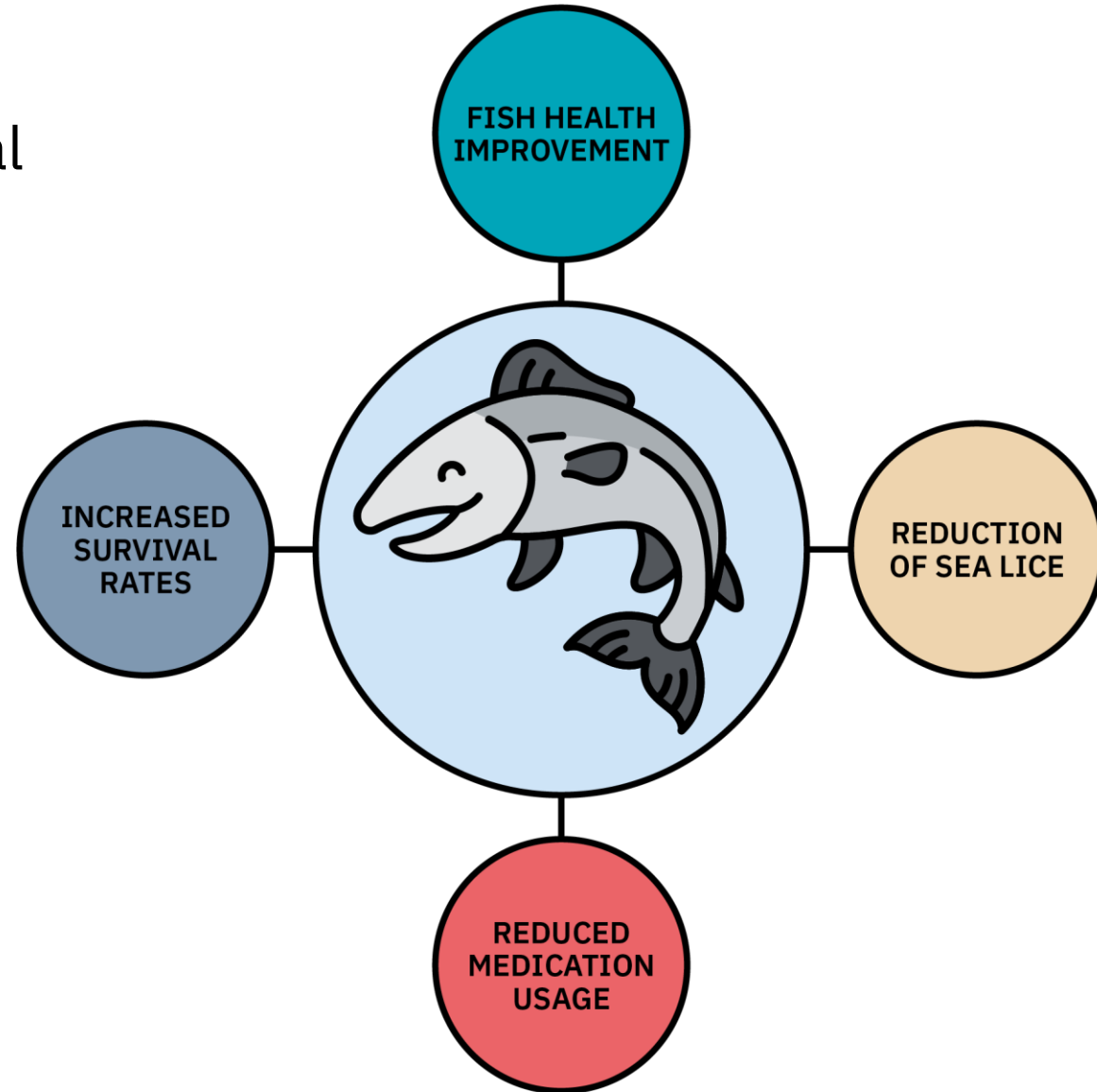
600



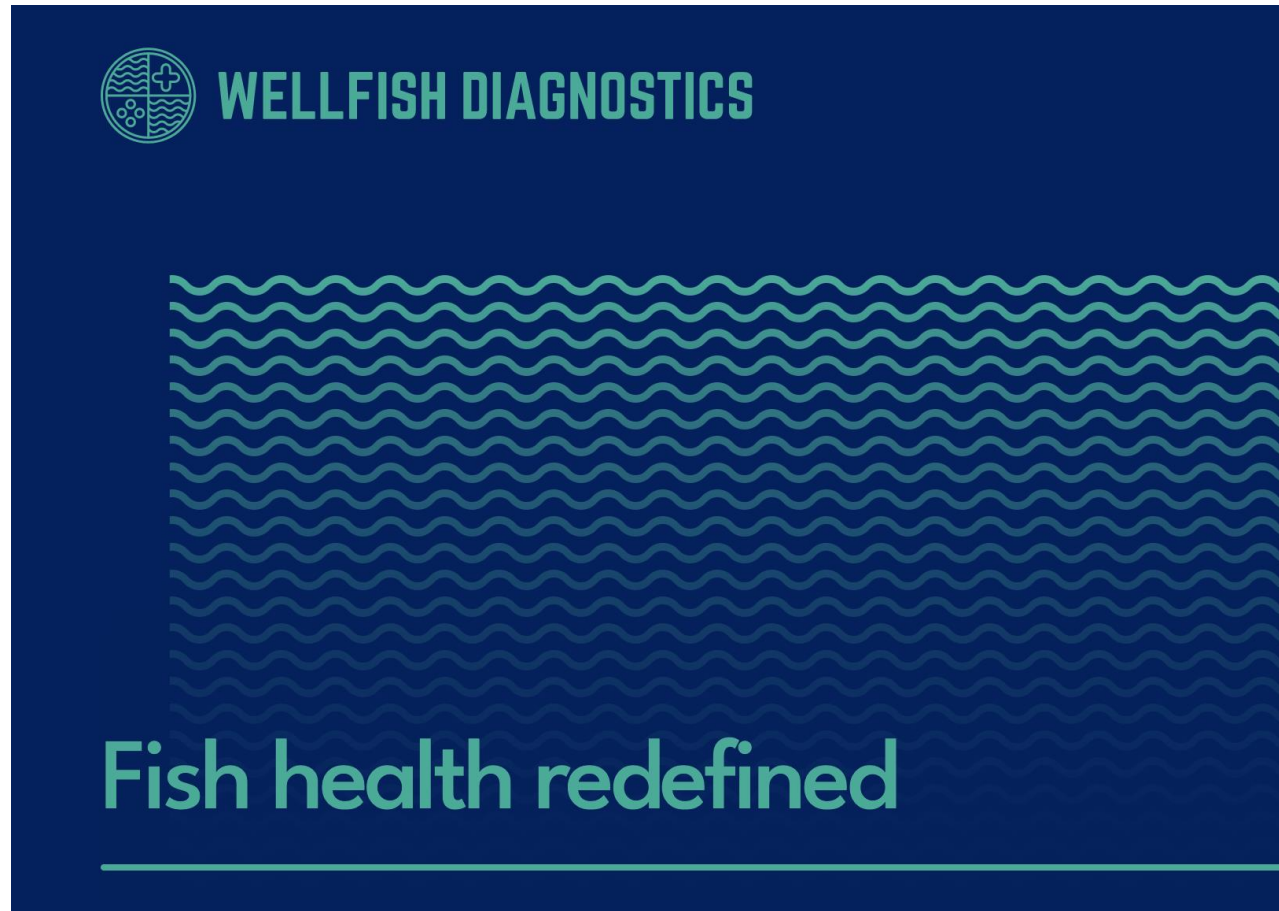
additional FTE* jobs
potentially created in rural
and fragile communities
by SAIC projects

**full time equivalent*

SAIC projects generate both economic and environmental benefits, through improved efficiency and lower environmental costs of production



CASE STUDY: WellFish Diagnostics



- A successful business created on the basis of SAIC-funded research
- Rapid fish health assessment for the aquaculture industry through blood-based clinical chemistry analysis
- “The development of blood-based methods to assess fish health is a **game changer** for the aquaculture industry, not only in Scotland but internationally.” *Stuart Cannon, MD, Kames Fish Farming Ltd*

CASE STUDY: SalmoSim



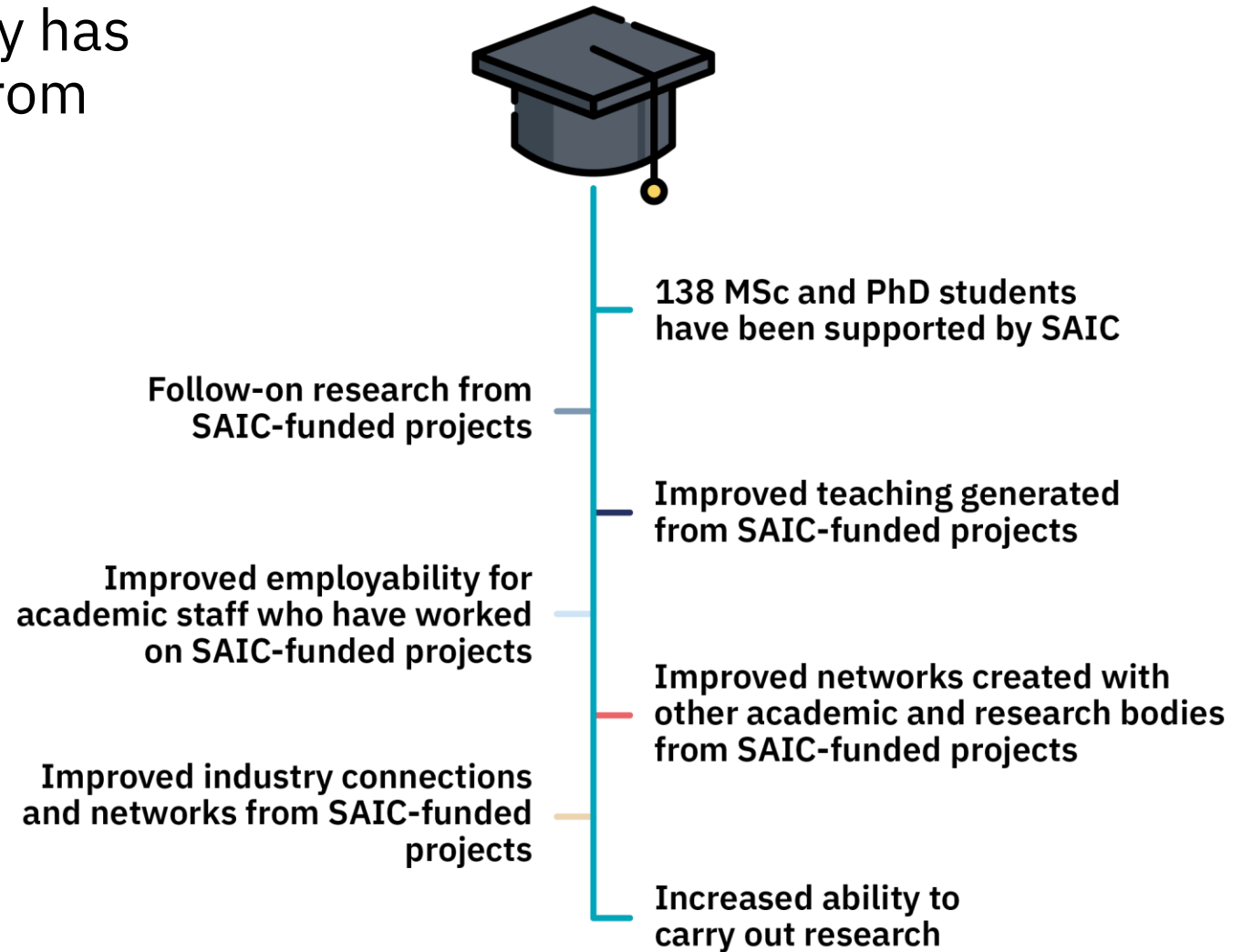
- Research breakthrough leads to international contract win
- The artificial salmon gut simulator is a cost-effective and fast way of supplementing in-vivo trials for sustainable, effective feed ingredients
- “We are excited to be using the SalmoSim technology to **enhance salmonid nutrition and welfare.**”
Dr Sebastien Rider, Royal DSM

CASE STUDY: Pulcea/BREEZE



- An innovative, residue-free prevention and control system for sea lice management
- Improved fish health and welfare, reduced environmental impact, tackles resistance issues
- SAIC-supported project run by an international consortium: Aqua Pharma (Norway), Pulcea (UK), University of Stirling (UK), Norwegian University of Science and Technology (Norway)

The academic community has benefited substantially from SAIC's involvement





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Talk to us

Whether you're looking for a connection, need funding support, want to find out about our training programmes, or would like to make use of our extensive network, we're here to help.

info@sustainableaquaculture.com
sustainableaquaculture.com

