



Welcome





Laura Smith

Interim Head of Place Innovate UK Business Connect





Agenda



09:30-10:15 Welcome

10:20-11:00 Celebrating Success: My Business Innovation Journey

11:00-11:30 Break, Exhibition & Networking

11:30-12:15 Driving Innovation Through Business- University Collaboration – How expertise from research institutions accelerate your Innovation

12:15-12:55 How Local Innovation Support can Grow your Own Ideas

12:55 Plenary Close

13:00 Lunch, Exhibition & Networking

14:00-14:45 Breakout Session 1-3

14:50- 15:35 Breakout Sessions 4-6









Johnathan Reynolds

Chair Norfolk and Suffolk Innovation Board







Innovate Local: East of England

Johnathan Reynolds – Chair of the Norfolk and Suffolk Innovation Board





Innovation Hubs in the Network

27



Businesses within the network

+008



Research / Academic Institutions in the Network 10





Regional Key Sectors







Digital Tech



Food and Agri-tech



Marine Science



Space



Engineering



Al and Robotics



Creative Industries



Connected Innovation Outputs



Innovation Hubs in the Network

27



Network Collaborations / Introductions Made

196



Research / Academic Institutions in the Network

10



Engagements with wider organisations

47



Businesses within the network

+008



Connected Innovation Events Hosted / Supported

64



Businesses / Organisations Attending

3,000+



Relationship with UKRI & Innovate UK



New Anglia Local Action Plan





Norfolk & Suffolk Innovation Grant Mentoring





Create Growth Programme

Helping businesses in England convert their creative potential into creative growth.



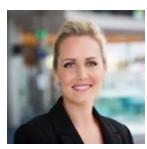




Connected Innovation Delivery Team



James Allen
Connected
Innovation
Programme Manager



Katie Snell Innovation Clusters Lead



Scott Cogman Innovation Hubs Lead



Laura Hill Innovation Grant Mentoring Project Manager



Contact Us











Roz Bird

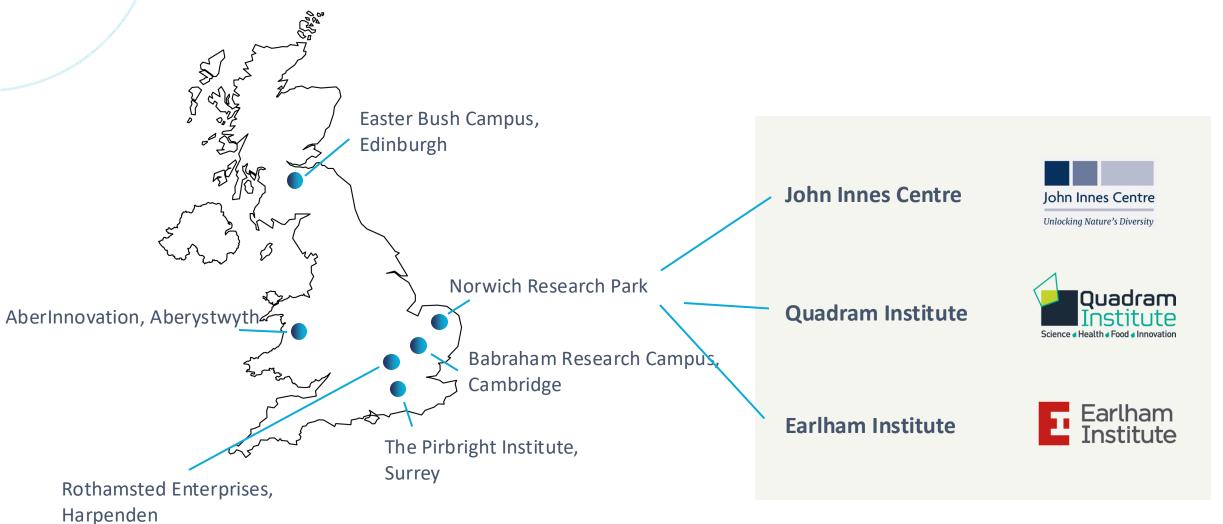
CEO Anglia Innovation Partnership LLP





BBSRC Research and Innovation Campuses









- four specialist research institutes
- teaching hospital
- top 25 university
- 100,000 sq ft built and let to 40 companies
- 1.6M sq ft of planning consent

"An exceptional environment for successful science, innovation, and business."











Tropic



























































The Global Markets We Serve: 'Farm - Fork - Clinic'



Agri Biotech

Genetic engineering, molecular markers, molecular diagnostics, vaccines, and tissue culture, modifying living organisms.

Food Biotech

Production, preservation, quality control and food product R&D.

Industrial Biotech

The application of modern biotechnology to the sustainable production of materials, chemicals, and fuels from living cells and enzymes.

Med Tech

Tools for producing medical products that can be used for the diagnosis, prevention, and treatment of diseases.



Grow, succeed, belong - companies value a sense of community































AIP Team – here to support engagement with our research community



Dr Monika Chhetry Science Collaboration Manager

Manages our Explorer Forums and connections between academics and researchers.



Alexia Mlynarska Community Development Manager

Manages our community event programme and meets regularly with our occupiers, both on-site and virtual.



Samantha Graham Enterprise Network Manager

Helping entrepreneurs make connections to support their business development plans.



Technology Platforms

Facilities with equipment and expertise that are accessible to science businesses.

- Crop Transformation
- Clinical Research Facility
- Biofoundry synthetic biology and automation
- Single Cell Genomics single and multi-cell analysis
- Field Trials
- High Performance Computing
- Bioimaging
- Horticultural Services

...and more!



See our website page for a list of our facilities





Accommodation available to let

- to meet your needs now and in the future

Virtual Tenancy | short, flexible leases | easy-in-easy-out terms | shared laboratory facilities | meeting rooms | informal workspace | 1.6m sq ft of planning consent for bespoke accommodation |



Availability

- 3 Offices -148 sq ft to 3,683 sq ft
- 1 Lab 830 sq ft
- Offices in Enterprise House, 86 sq ft to 357 sq ft

Email: Space@norwichresearchpark.com

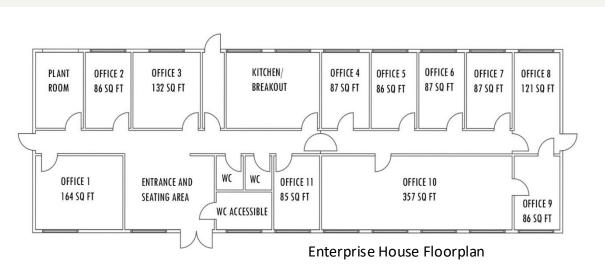


- Offices from 1 to 12 people
- Reception/informal workspace
- Shared kitchen with seating for 10
- 24/7 access

See our website page

• Wi-Fi 6 and park internet network

- Inclusive rent
- Easy-in-easy-out terms
- Meeting room
- Access to Innovation Centre cafe
- Parking







New 62,000 sq ft laboratory and office building





Campus-wide Enterprise Strategy

- pipeline of funding and support for spinouts and spin-ins



Discovery







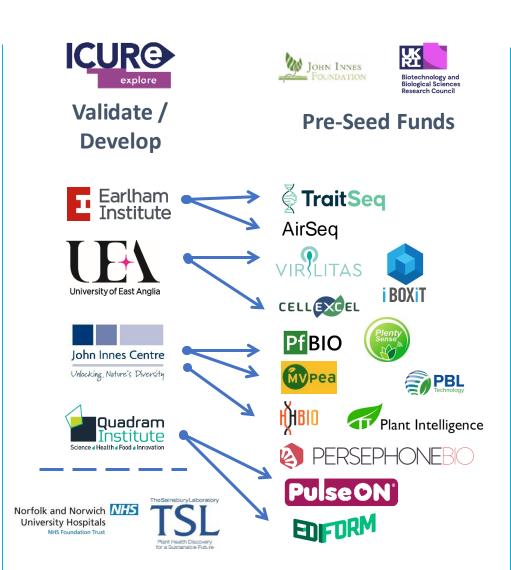












Seed and Angel Funds

SPRIN-D











Defence and Security Accelerator



Scale / Growth Funds

Industrial Biotech/Eng Bio



Food Biotech
Bramble (TBC)

MedTech

Non-traditional drug discovery

Campus-wide Business Development – helping to solve industry problems through tech transfer





Business Development Teams

Each research partner has a dedicated business development team to help facilitate the spin-out of companies on the campus and work with industry partners.

Explorer Forums

Bringing research community representatives together to work with industry and help solve problems. Forums so far include: gene editing in the sugar beet industry and space technology.

The next forum is in September focusing on analysis of soil composition and real time monitoring for farmers.

Specialist organisations/facilities

Each of the major partners works on a number of different business development initiatives. Access to specialist services and research expertise is facilitated by knowledge exchange staff in each organisation.

Events

Our events, such as Enterprise Tuesdays and Agri-tech Week help facilitate networking and new connections.





Business Development – Accessing specialist facilities/services examples

QIB Extra undertakes research relating to food, food safety and gut health for companies of all sizes.

- Analysis of food bioactives
- Consultancy by QIB staff

- Bespoke Scientific Research
- DNA Sequencing







The Norfolk Clinical Research Facility provides a modern facility for partners and customers to conduct clinical research on healthy volunteers and hospital patients.

Driving the commercial potential of TSL's fundamental research in molecular plant microbe interactions.

- IP Licensing
- Spin-outs

- Entrepreneurs in Residence
- Industrial Partnerships





Get in touch: roz.bird@norwichresearchpark.com

www.norwichresearchpark.com







Steve Welch

Executive Director for Place Innovate UK Business Connect







Celebrating Success: My Business Innovation Journey





Kate Killick Glowfrog Games



Alexander Craig

Qualitetech

Components Ltd

(Cambs)



Rosaria Campilongo PfBIO



Sean Cannon
Innovate UK Business
Growth











Driving Innovation Through Business-University Collaboration:

ConnectedInnovation

How Expertise from Research Institutions Can Accelerate Your Innovation



Sharon Perry Innovate UK Business Connect



Jan Stringer Innovate UK Business Connect



Samantha Barrell
The AF Group
Limited



Beth Sowersby UEA



Thomas
Abbs
Norwich
University of
the Arts



Dr Nick Goodwin Norwich Research Park



Dr Juan
Antonio
Martinex Leon
Data Science G's
Group



Rob Walker University of Essex



Knowledge **Transfer Partnerships**



KTP -A three-way partnership providing



Expertise to innovate

Match your challenge to expertise from over 100 **Knowledge Bases**



Innovate UK provides 50-75% Funding to enable of project funding with ~80% success rate



Resource to deliver change

This change can be transformational positive economic, societal and environmental



Knowledge Transfer Partnerships

KTP Overview



Business driven partnership with an academic(s) team



Apply knowledge

Deliver new capabilities



Projects 12 - 36 Months



Associate
Full-time on
the Project
@ Business



Academic support 0.5 days per week



Strategic Business Project



Public Sector

– addressing

Management

focussed

challenges



Grant Funding
Rates
75% (Charity)
67%(SME)
50%(Large or
Public Sector)



Growth
Disseminating
best practice
IP

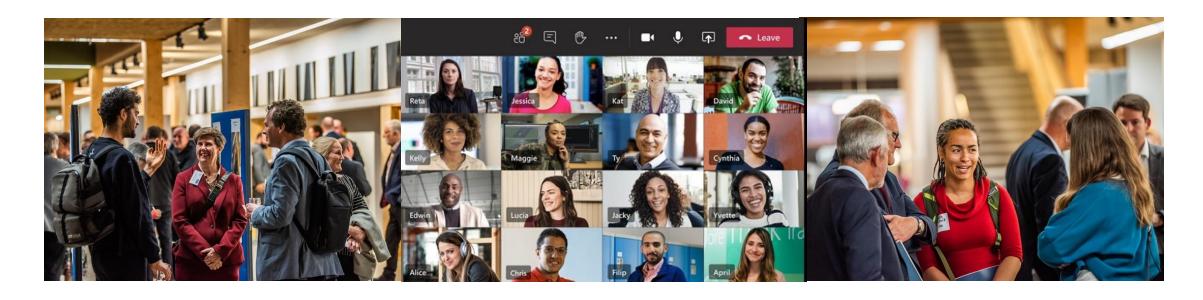


Economic
(profit/efficiencies)
Societal
Environmental
Impact



Business Engagement

Supporting businesses to innovate and grow



Beth Sowersby, Relationship Manager: Digital, Creative and Heritage B.Sowersby@uea.ac.uk



Supporting businesses to innovate and grow



Brokering relationships- finding the right expertise for you



Scoping/developing projects- from idea stage





Supporting funding bids



Building impactful collaborations that address real world challenges





How to work with us

Expertise in: Computing Sciences, engineering and maths, environmental science, life sciences, medicine and health, arts and humanities, social sciences, legal and business.

Sectors: Agritech, energy, marine, pharma, healthcare, legal, finance, creative industries, tech, heritage.







Our KTP Journey

Samantha Barrell, Chief Technology Officer, The AF Group





About AF

We champion the most progressive, transparent & best value procurement practices to help our Members be more profitable.

- Over 3,000 Members
- Procure £340m of inputs each year
- 100 employees
- 40,000 invoices processed each month
- 35,000 calls made & received each month
- 150,000 emails sent & received each month



What is our objective?

To create a digital benchmarking tool enabling farmers to make more effective, evidence-based, decision-making with respect to the planning, procurement and use of farming inputs.

Why are we doing this?

- Help Members make better purchasing decisions
- Increase ROI of previous technology investments
- Increase knowledge and skills within the business
- Increase the value of AF membership
- · Remain relevant and competitive



Our Project Team



The AF Group & UEA KTP Team

- Tiasha Mondal KTP Associate
- David Horton-Fawkes
- Samantha Barrell
- Prof. Andrew Fearne
- Dr. Ricardo Malagueno de Santana
- Dr. Fabio Motoki
- Anna Douglas
- Libby Brient
- Jan Stringer



Working with the University of Suffolk

We have a commitment to driving innovation and building collaborative relationships across the region as a Civic University

- Consultancy We have a broad range of academic expertise which you can access on a contract research or consultancy basis
- Business support dedicated teams to help identify your business' needs and opportunities to grow
- Access to student expertise through internships, work placements and graduate opportunities
- Funding opportunities Innovation funding for projects that deliver increased competitiveness and growth
- Training demand led CPD and short courses for various industries and sectors, to meet current and future skills gaps
- Facilities a range of state-of-the-art facilities available to hire
- Events Providing knowledge and insight into various areas, as well as networking opportunities





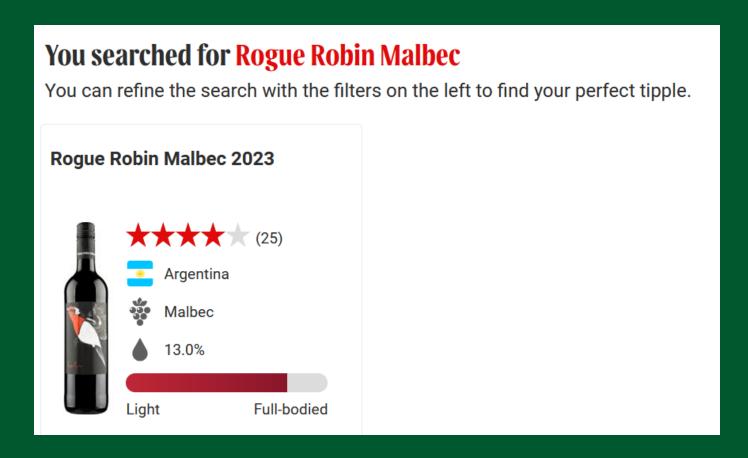
Engage with us...

- Work with our students on course projects
- Collaborative research: discovering new knowledge together
- Work with our new Research and Knowledge Exchange Institutes
- Knowledge Transfer Partnerships (KTP)

Contact **business@norwichuni.ac.uk** for a conversation.

Working with our students

- Set a project for in-course delivery
- Support the work-readiness of our students
- Fresh ideas for your business
- Opportunities to take the work forward commercially
- Interact with any of our courses, from Fine Art to Creative Technology
- Plan ahead!





Collaborative research

- Joint exploration of new knowledge
- Finding the areas of joint interest
- Live research areas at Norwich:
 - Creative technology and advanced moving image creation
 - Convergence of media and games
 - Simulation technology
 - Arts and (mental) health
 - Science demystification through communication design
 - Co-creation of place and environment for alternative futures
 - Alternative agricultures and environmental design



Work with our two institutes

- Creative Technology
- Sustainable Worlds

HORLICH SESSION SENSON BENEFITS



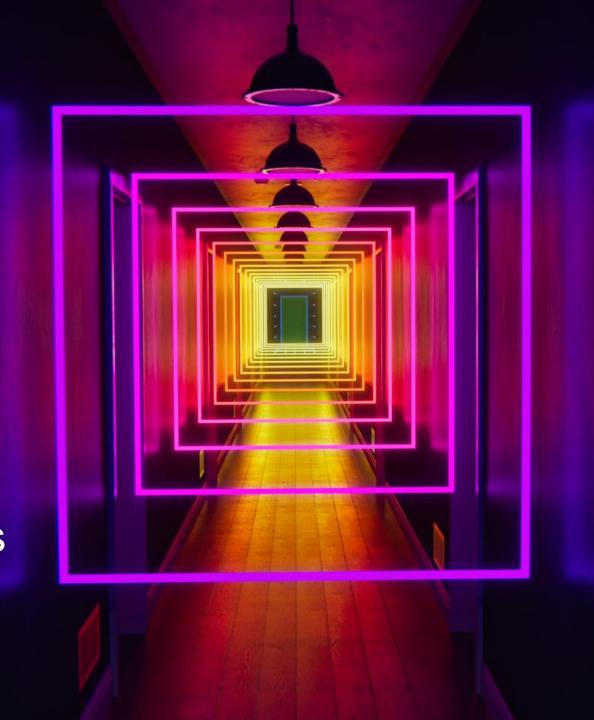




UNIVERSITY OF ESSEX

INNOVATE LOCAL

Robert Walker, Head of Business Engagement



SOME OF OUR INDUSTRY PARTNERS



















WFILAMENT







































































University WHY PARTNER WITH ESSEX: Credible and Committed



We're the leading university in the UK for the number of Innovate UK funded KTP projects



We build ecosystems – need partners for test beds, consortia builds, 121 collabs



Over 800 academic experts open to collaborating regardless of business size (c 100 active in portfolio – many on multiple collabs)



We take an extremely hands on approach and act as a continual PoC to secure funding for collab - heavy lift content and care



Grant success rates >90% for some funded programs - resource allocation usually rewarded



Signpost and help in other ways – Innovate UK Business Connect // KTN // VC funds etc --- but keep in our ecosystem (e.g. keep in regular contact)



G's Growers

Juan Antonio Martínez León, Head of Product Analytics and Data Science



Crop Portfolio





























- Funded 1952 3rd Generation running the business
- 17,000Ha of crop worldwide / 8,800 in the UK
- Headquartered in the UK, farming operations in Spain, Czech, Poland,
 Senegal, and USA

Customer Base - Europe



Our KTP Project

To apply new techniques in data science to the challenge of predicting maturity date for iceberg lettuce

Why?

- Leverage ML and AI to improve sowings decisions to reduce crop waste while securing weekly crop availability
- G's supplies c60% of the UK market (2.5 m heads sold per week), yet lowest profit per unit
- Highly sensitive to variations in growing conditions
- Represents broader salad crops characteristics

Our KTP Team



How are we improving our models?



Question the model answers

When is the crop going to be ready for harvest?

IceCAM

What it is needed to get it to work

Technology

ML-IceCAM

When is the crop going to be ready for harvest?

FreshCAM

And is my crop ahead/behind of where it should be?

What happens if?

- Plant/Drill Date
- Temperature
- Solar radiation
- Fleece and Mesh
- Propagation **Plant Quality**
- Prog Plant Life
- ... others

Mechanistic Model

- Harvest Date
- Plant/Drill Date
- Temperature
- Solar radiation

Mathematical / Statistical model

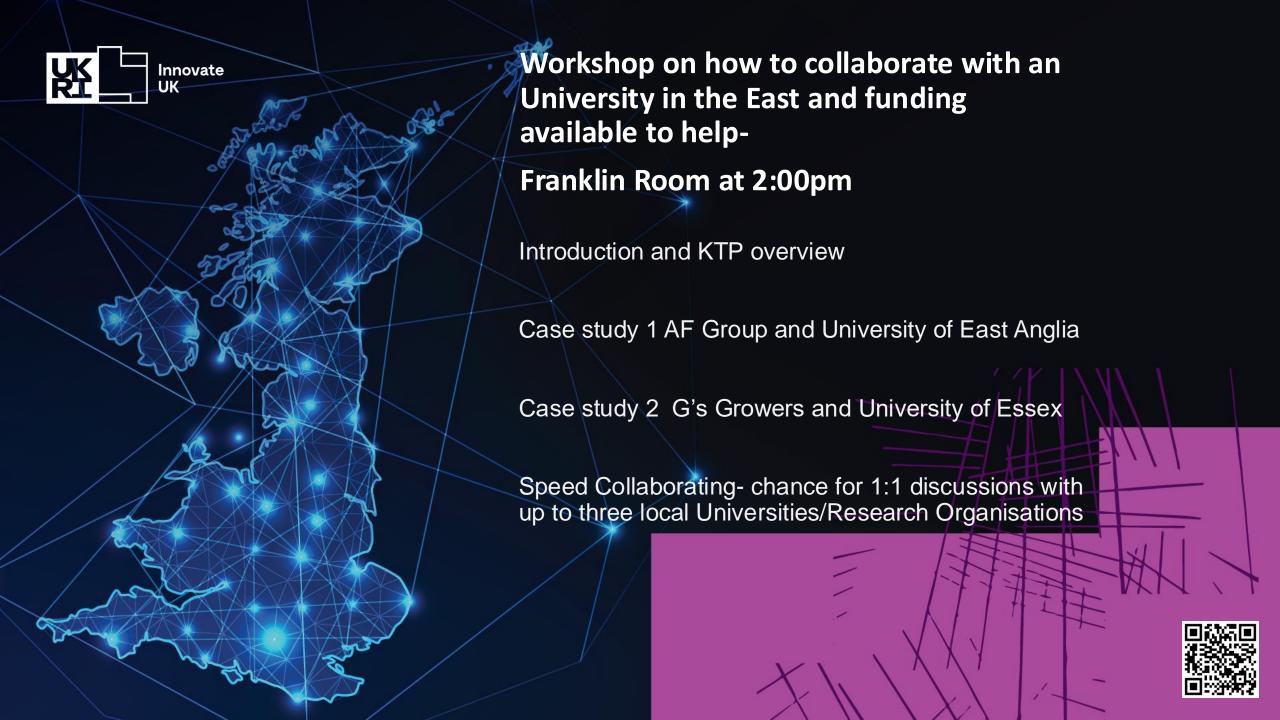
- **Harvest Date**
- Plant/Drill Date
- Temperature
- Solar radiation
- Fleece and Mesh
- ... others

Machine Learning model



Panel discussion







Knowledge Transfer Partnerships

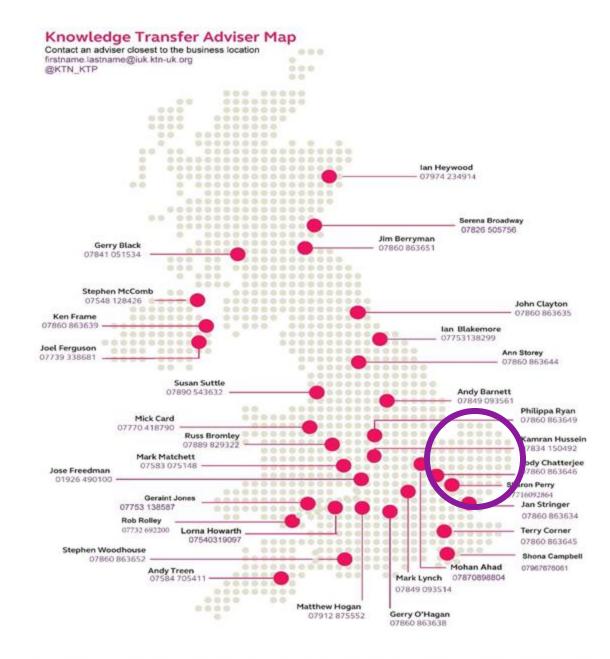
Contact us:-

Sharon Perry - Sharon.perry@iuk.ktn-uk.org

Jan Stringer - Jan.Stringer@iuk.ktn-uk.org

Knowledge Transfer Partnership (KTP) Team IUK Business Connect

https://www.ktp-uk.org







How Local Innovation Support Can Grow Your Ideas









Julie Pauley
Innovate UK
Business Growth



Leo Roubicek Acer Resources



Nick Beresford RSscan Lab Ltd/ Enertor



Imogen
Stevenson
ORE Catapult



Azmat Hossain
Extend
Robotics



Innovate Local: East of England Conference

James Allen, Connected Innovation Programme Manager



Connected Innovation



The programme was launched by in Spring 2021 to help address regional innovation challenges in Norfolk and Suffolk and join the dots on the innovation ecosystem



Focused around cross sector innovation, innovation support and addressing key agendas such as the transition to net zero



Provides subject-matter expertise on technology trends and connects innovators with globally significant research base



Supports a wide range of events to showcase funding and investment opportunities, new innovation hubs, technology showcases, research strengths and cross-cluster initiatives





Innovation Hubs in the Network

27



Businesses within the network

+008



Research / Academic Institutions in the Network 10



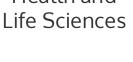


Regional Key Sectors











Engineering





Science



Al and Robotics



Digital Tech





Space

Creative Industries



Regional Cluster Partners





















Relationship with UKRI & Innovate UK









Innovate Local: East

12 September 2024 09:30-15:30





UK Research and Innovation



Innovate UK

Business Connect

Innovate UK

New Anglia Local **Action Plan**



Create Growth Programme

Helping businesses in England convert their creative potential into creative











Innovation Grant Mentoring Project



The Innovation Grant Mentoring Project was set up to address the region's track record of securing funding from Innovate UK



Important to raise inspiration and awareness of the huge variety of opportunities for entrepreneurs and innovative companies through Innovate UK – webinars, case studies, etc.



Free bid writing and grant mentoring support – providing access to a pool of mentors that have a strong track record



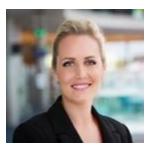
£50k per annum for each County Council has secured +£2.1m in funding from Innovate UK, across a wide range of competitions



Connected Innovation Delivery Team



James Allen
Connected
Innovation
Programme Manager



Katie Snell Innovation Clusters Lead



Scott Cogman Innovation Hubs Lead



Laura Hill Innovation Grant Mentoring Project Manager



View the Innovation Prospectus HERE

Contact Us
Contact - Connected Innovation



Acer Resources Leo Roubicek - Founder

Acer Farms





- Founded June 22 and developing large-scale 'vertical farms' growing fruit & veg in climate controlled rooms under LEDs.
- Previously Head of International at a vertical farmer in Japan, helping to deliver two farms growing 3-4 tonnes of leafy greens every day.
- Pre-revenue and focused on R&D of the technologies needed for high-productivity at large-scale.



- The Greenhouse accelerator programme for climate startups 2022/23.
- EIT Food Seedbed for Europe's leading food industry startups 2024.
- Supported by Innovate UK Business Growth Eastern England.



3x unsuccessful and 2x successful grant application to Innovate UK.

Introducing Innovate UK Business Growth

We enable ambitious innovative, high growth businesses, with strong commercial potential to significantly improve the UK economy, to accelerate their growth and achieve scale



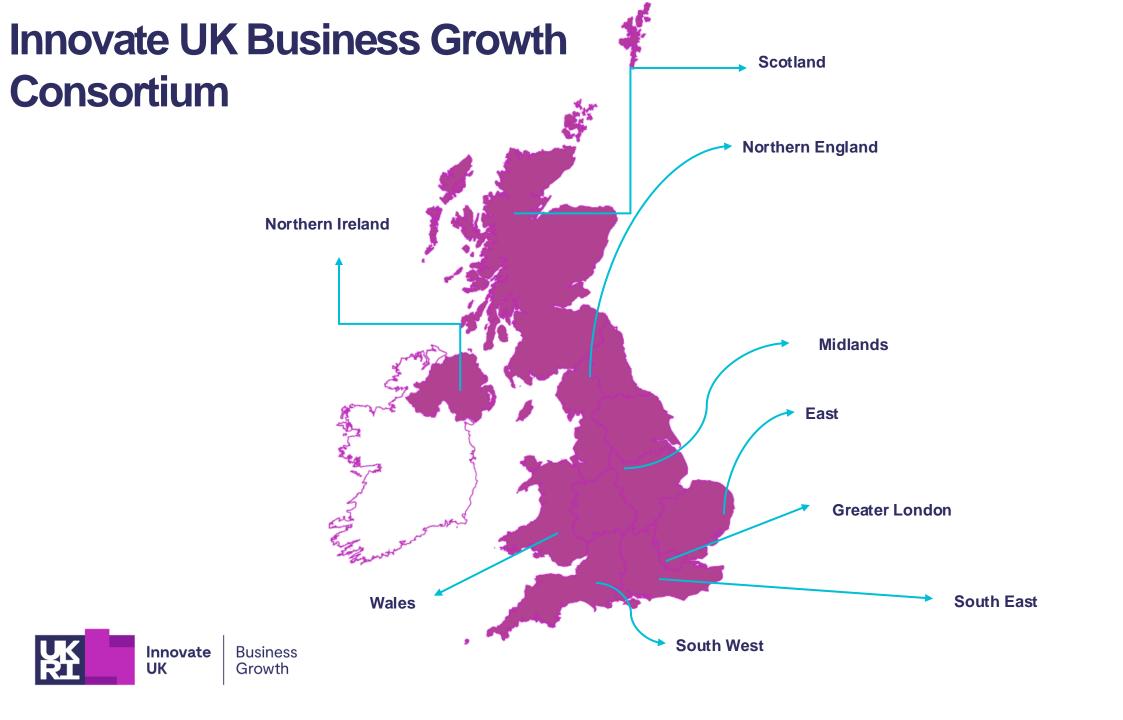
Exploit and manage business innovation



Source funding and finance



Enter new markets



Here to help you solve your business challenges

300 Impartial, Experienced Innovation & Growth Specialists

Your
Specialist is
Knowledgeable, objective
and impartial

They have lived business
We get the opportunities and challenges

Intelligent
Networking allows
Exclusive access to our
ecosystem



Innovate UK Business Growth achievements from April 2023 to March 2024

We have supported 10,640 businesses across the UK. These businesses have seen outcomes to the value of:

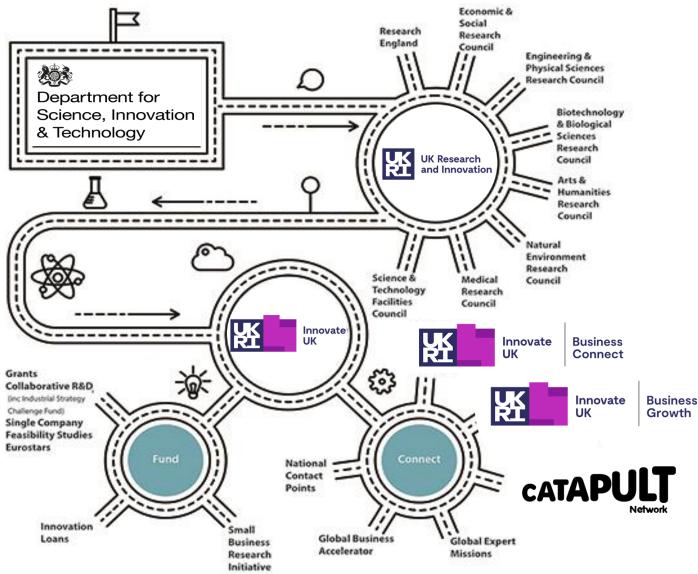
£674m

INVESTMENT & DEBT FINANCE RAISED AND GRANT FUNDING SECURED

6,713

JOBS CREATED OR MAINTAINED

Our Ecosystem



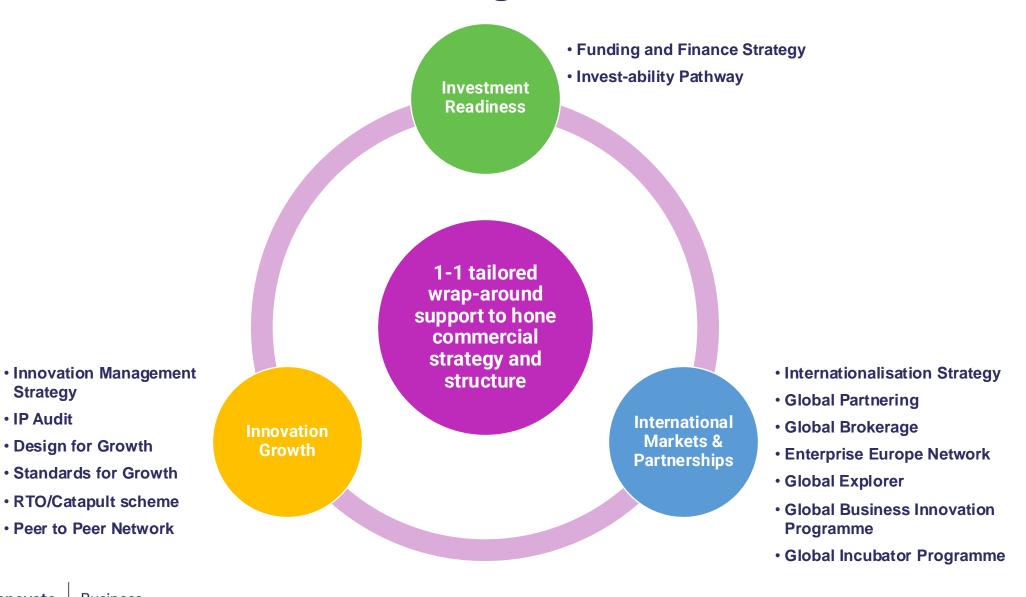
Tailored Innovation Mentoring & Growth Support



Measurable Outcomes



Innovate UK Business Growth High Growth Service Offer





Strategy

• IP Audit

Enter New Markets

Our specialists offer innovative SMEs several ways to build their knowledge of, and exploit opportunities in, key overseas markets including supported immersion in specific international markets through our targeted programmes.





Global Business Innovation Programmes- Open

Agri-Tech Australia Open -Sept –Oct 24 (Visit Feb 25)

Adv Man Taiwan Open -Sept –Nov 24 (Visit March 25)

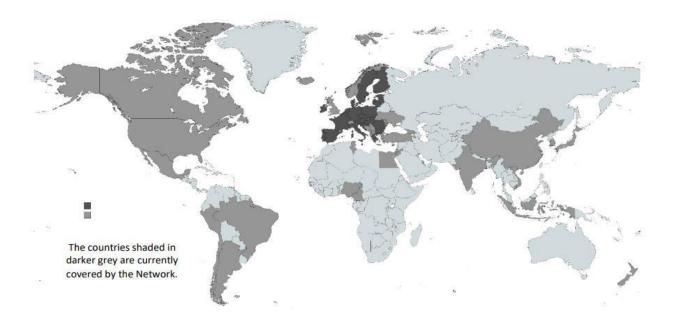


The UK is an International Network Partner of the Enterprise Europe Network

Helping UK businesses to innovate and grow internationally, specifically those looking to countries in the EC's Single Market Program

Who are our partners?





een.ec.europa.eu





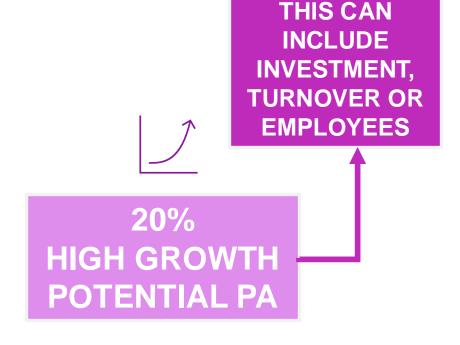
We work with businesses



INNOVATION AT MVP / PROTOTYPE OR BEYOND



INNOVATION DISRUPT A MARKET





5 - 250 EMPLOYEES



POTENTIAL TO INTERNATIONALISE



SENIOR TEAM OPEN TO EXTERNAL SUPPORT

We work with businesses







INNOVATI MVP / PROT OR BEY

AN INNOVATION - A PRODUCT, SERVICE OR BUSINESS MODEL THAT IS RADICALLY OR INCREMENTALLY NEW TO, AND ADDS VALUE TO THE MARKETPLACE

ן% ROWTH ΓIAL PA



5 - 250 EMPLOYEES RADICAL INNOVATION – A GROUND-BREAKING NEW PRODUCT THAT USES NEW TECHNOLOGIES OR COMBINES EXISTING TECHNOLOGIES IN A NEW WAY TO CREATE NEW USES THAT ADDS SIGNIFICANT VALUE TO THE MARKETPLACE



AM OPEN TO _ SUPPORT

INCREMENTAL INNOVATION – AN EXISTING PRODUCT WHOSE PERFORMANCE HAS BEEN SIGNIFICANTLY ENHANCED OR UPGRADED TO ADD INCREASED VALUE TO THE MARKETPLACE



Business Growth

Suffolk

Rsscan Lab Ltd t/a Enertor Nick Beresford — Director

Started with IUK
Business Growth
Nov 2020

Following the successful application of an IUK grant

Sustainable Innovation Fund £94k

IP support

Support with IP strategy to include IP funding for audit £3k

Now- 2 patents pending

Funding

Funding £15k RTO Catapult Grant to work with MTC Review manual processes

(Issue of manufacturing demand need to increase production)

Marketing Strategy

Assisted with a Marketing Strategy in preparation to launch new products





Business Growth

Contact

Julie Pauley

Project Manager
Innovate UK Business Growth
E: enquirieseast@innovateukedge.ukri.org

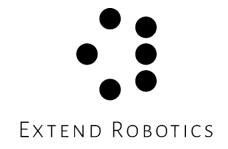
www.innovateukedge.ukri.org



Offshore Renewable Energy Catapult

'Our mission is to incentivize investment in the offshore renewable energy sector by de-risking supply chain innovation.'





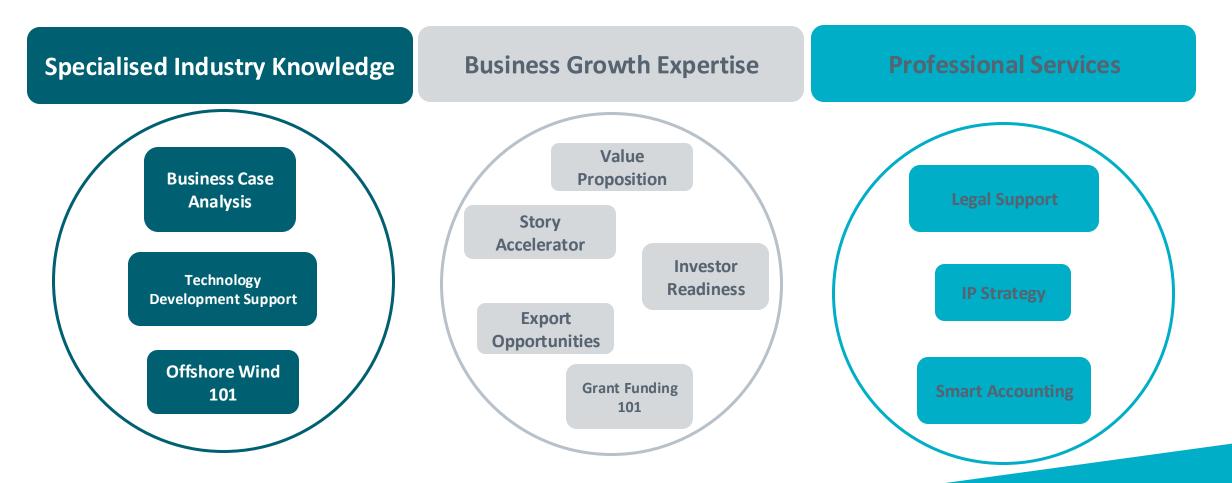
Extend Human Capability Beyond Physical Existence

Human-Robot Interface
Software, using
Extended
Reality technology
(MR/VR/AR), to enable
non-robotic experts to
operate robots
from remote locations.



Launch Academy East of England

"Breaking down barriers to commercialisation and accelerating product launch in the valley of death"





Launch Academy Impact to Date

Total Private Investment Raised

£2.5m

Total Grant Funding

£587k

Number of Products/Services Commercialised

13

Number of Patents Filed

102

Number of Grants Awarded

10

Growth in Overall Headcount

9

Operational Bases

1

Ready for Market or Ready to Invest

Bigger Companies

Increased headcount, new operational bases, increased (or first!) revenue

More Innovative Companies

Increased technology readiness, new products and services to market, new patents filed

Better Funded Companies

Investment raised, CR&D grant funding won



De-risk Innovation

Developer

Highlight Innovation needs.

Provide feedback and input of selecting compaines for follow on support.

Continued relationship with selected companies.

Supply

Chain

Bespoke training session for new entrants and companies looking at growth.

Pitch for feedback sessions.

Bespoke support.

Academia

Highlight trends and opps.

Knowledge sharing workshop with a focus on our activies and capabilities.

Opportunity scoping workshop.

