



AQUACULTURE AND AQUAPONICS

Unlocking Sustainable Development in Sub-Saharan Africa through the Understanding of the Commercial Ecosystem.

26 March 2024

Presented By
Lance Quiding (Founder & MD)
Integrated Aquaculture



THE 17 RELEVANT SDGS.

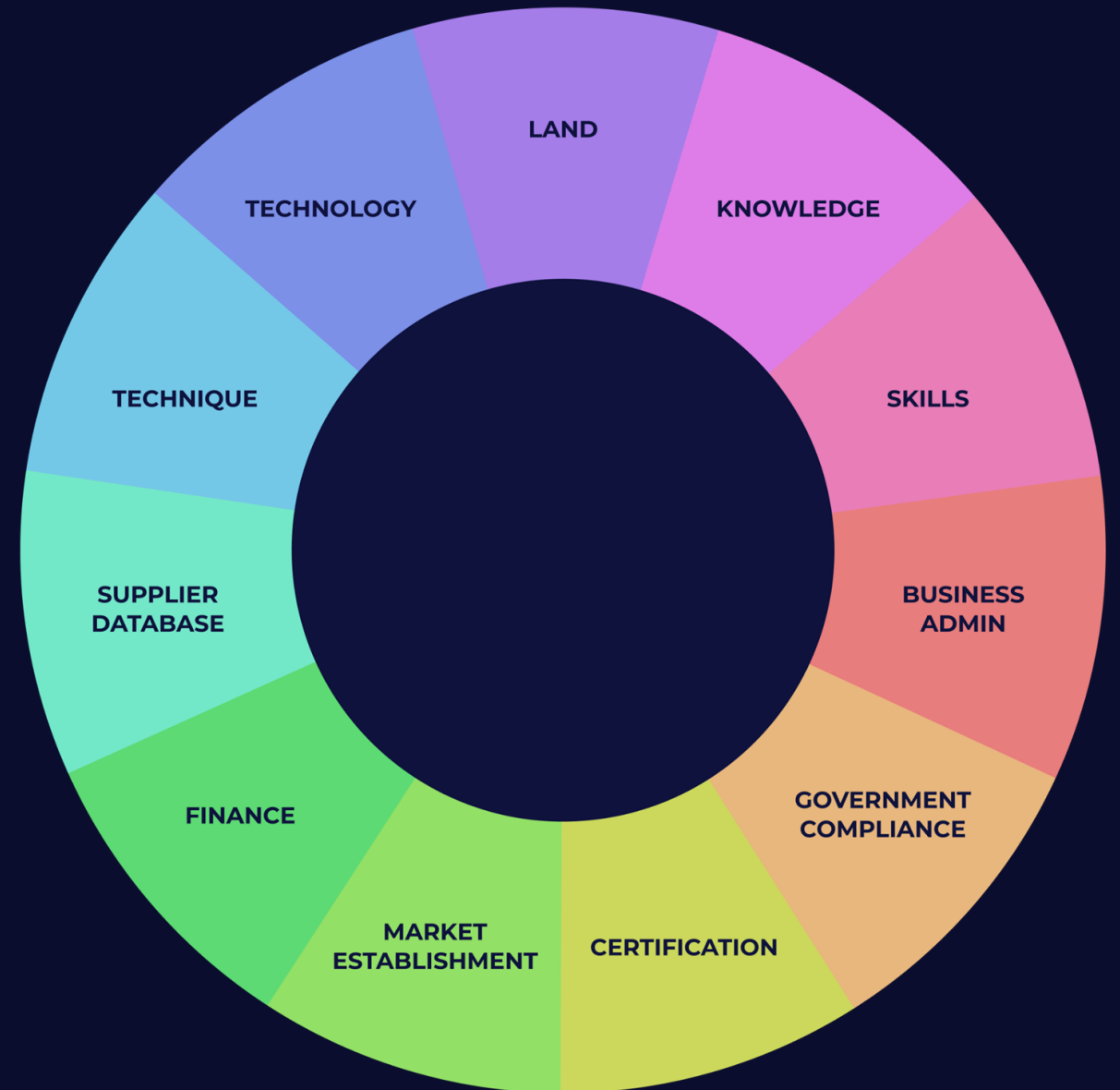
AQUAPONICS DELIVERS ON ALL SDG'S





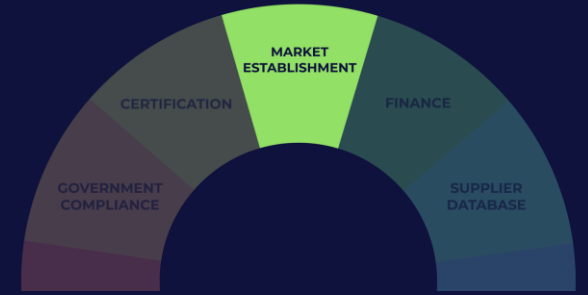
THE ECONOMIC ECOSYSTEM.

THE ENTIRE SYSTEM NEEDS TO WORK.



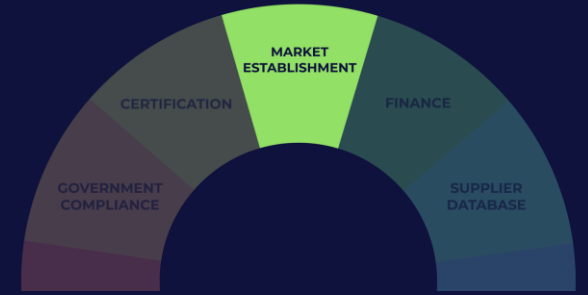
MARKET ESTABLISHMENT

RETAIL IS AN OBVIOUS MARKET



MARKET ESTABLISHMENT

BUT, INSTITUTIONAL PROCUREMENT IS THE CATALYST FOR ACCELERATED GROWTH



LAND

IS AVAILABLE IN THE RIGHT LOCATIONS



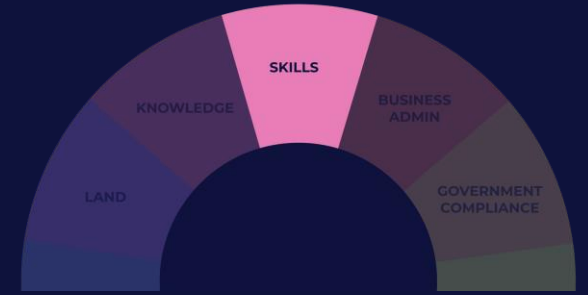
KNOWLEDGE

BUILDING THE CAPABILITY



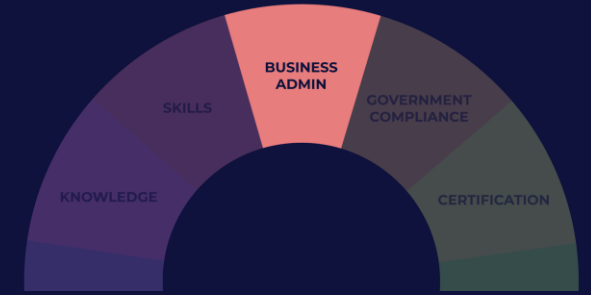
SKILL

HANDS-ON EXPERIENCE



BUSINESS ADMINISTRATION

EFFECTIVE MANAGEMENT



- Human Resources
- Accounting
- Logistics
- Data Capture
- Certification Files

Google Workspace

Dext

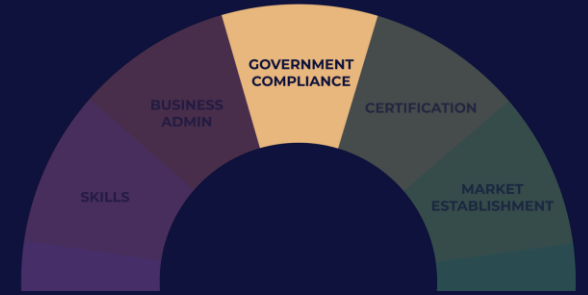
aquaManager
SOFTWARE

intuit
quickbooks



GOVERNMENT COMPLIANCE

SUPPORT AND STRUCTURES FOR GROWTH



**forestry, fisheries
& the environment**

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA



**rural development
& land reform**

Department:
Rural Development and Land Reform
REPUBLIC OF SOUTH AFRICA



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA



employment & labour

Department:
Employment and Labour
REPUBLIC OF SOUTH AFRICA



the dti

Department:
Trade and Industry
REPUBLIC OF SOUTH AFRICA



**small business
development**

Department:
Small Business Development
REPUBLIC OF SOUTH AFRICA



investSA

ONE STOP SHOP

GAUTENG

OPERATED BY THE
GAUTENG GROWTH AND DEVELOPMENT AGENCY



Mogale City

Local Municipality

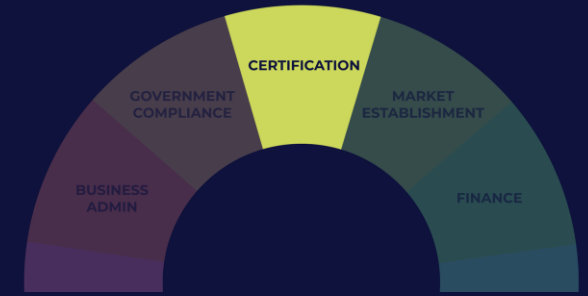


GAUTENG PROVINCE



TREASURY
REPUBLIC OF SOUTH AFRICA


CERTIFICATION

ENABLING DISCIPLINE




CERTIFICATE OF PROVISIONAL BLUE-FLAG FARM STATUS

Issuing Veterinary Authority	Certificate number
 Dr Gillian Taylor <small>BVSc (EQUINE) MSc (EQUINE) DipACVIM (EQUINE) DipACVIM (EQUINE) DipACVIM (EQUINE)</small>	IA 01-23
<small>African Aquatic Veterinary Services Inc. 2019/489675/21 SAVC registration: INC21/15576 & HP21/16283 Date: 11.03.23 Validity: 3 months Issued for: Integrated Aquaculture (Pty) Ltd Registration No: 2014/106095/07 VAT No: 4340269788</small>	

This serves to certify that “Integrated Aquaculture”
has undergone 6 months of veterinary surveillance and
complies with provisional requirements towards
AGRIFLAG™ / TAASA
Blue Flag Farm Certification Status

Attending Veterinarian: Dr Gillian Taylor BVSc MSc CertAqV
Signature: 
Date: 11th April 2023



ARC - ONDERSTEPOORT VETERINARY INSTITUTE

LNR - ONDERSTEPOORT VEEARTSENYKUNDE-INSTITUUT

Private Bag/Privaatsak X05, Onderstepoort 0110, South Africa/Suid-Afrika
Tel: (012) 529-9111 (Int: +27 12)
E-Mail: ovi-info@arc.agric.za - Website: www.ovi.agric.za

Dr. M. Romito
Biotechnology Building 29
John Quinn Street
ARC-OVR
Tel: (012) 5299 232
Fax: (012) 5299 249
RomitoM@arc.agric.za
2022-D-14131
03 November 2022

African Aquatic Vet Services
Parkmore
47-1301 St
Sandton
2196
Tel: 0945825618 Email: gillian@aquavet.co.za

PCR TEST REPORT: TLV3
Tilapia lake virus

Lab No	Sample Ref	Sample Type	Test	Result
TLV 3	Nile Tilapia	Liver	TLV rRT-PCR	Ng

Sample condition: Room temperature Nd = Not detected

No RNA from TLV was detected using RT-PCR (primers Tattiyapong et al. 2017).

Please note:
 1. Test results relate only to the samples tested.
 2. This report may not be altered without the written consent of the Quality or Technical Manager.
 3. The laboratory was not responsible for sampling.
 4. Samples should preferably be sent cold. Not doing so may reduce the reliability of test results, especially for labile pathogens.

Sincerely,

Technical Manager: Biotech PCR Lab


Verification

AN INSTITUTE OF THE AGRICULTURAL RESEARCH COUNCIL
INSTITUUT VAN DIE LANDBOONAVORSINGSRAAD 2022-D-14131



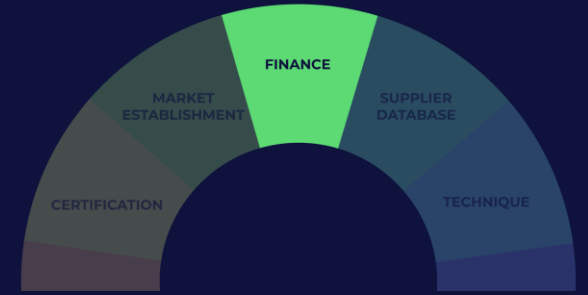
GLOBALG.A.P.

FINANCE

PROGRESS BEFORE PROFIT

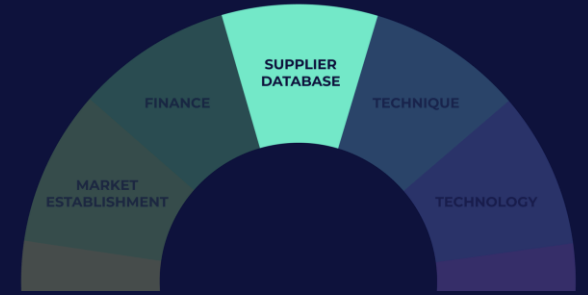
- Equity Participation
- Debt Finance
- Grant Funding

- The Ask?
- The Jockey?
- The Bankable Business?



SUPPLIER DATABASE

WHO TO TURN TO FOR SUPPORT



BUSINESS AND SKILL SUPPORT



PIVOT

PROFESSIONAL SERVICES



TRANSPORTATION

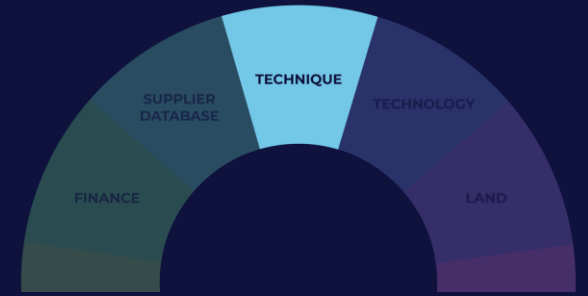


SUPPLIERS



TECHNIQUE

WHERE PRACTICE GROWS EXPERIENCE

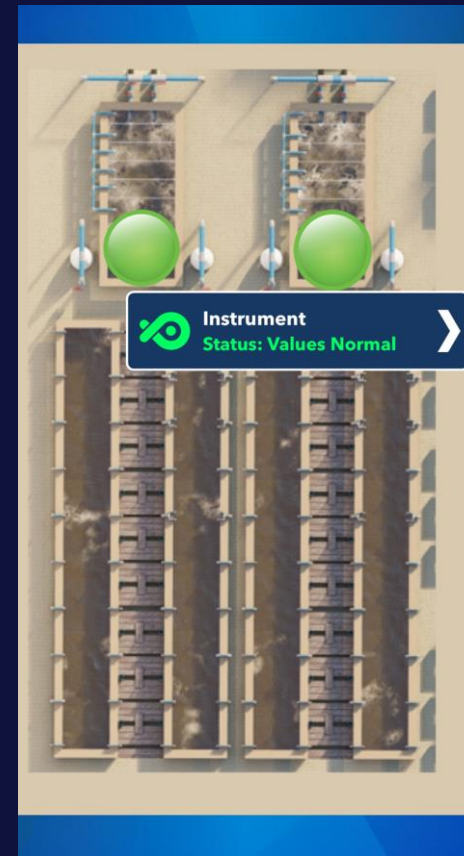


TECHNOLOGY

4TH INDUSTRIAL REVOLUTION



A login form with a blue background. It includes a "Username" field with the email "Fishdata@inteaqua.co.za", a "Password" field with masked characters, a "Remember me?" checkbox, and a "LOGIN" button. There are also icons for a bar chart, a water drop, and a server rack, connected by dashed lines to a cloud icon at the bottom.



A weather station sensor is shown at the top. Below it, a list of weather data is displayed for the date 2023-11-17 13:54:28. The data includes: WIND DIRECTION (149°), TEMPERATURE (26.10 °C), HUMIDITY (54%), WIND SPEED (2.52 m/s), GUST (4.48 m/s), and RAINFALL.

ASSOCIATIONS

SINGLE-POINT REPRESENTATION



TAASA

The Tilapia Aquaculture Association of South Africa



Aquaculture Association of Southern Africa



AquacultureSA

GLOBAL ASSOCIATIONS & EVENTS

AFRAQ 2023



**A PERSON CAN BECOME AN EXPERT
IN **NEARLY** ANY FIELD AS LONG AS
THEY WERE WILLING TO DEVOTE
THE REQUISITE **10,000 HOURS** TO
STUDYING AND PRACTICING THE
SUBJECT OR SKILL.**

- MALCOLM GLADWELL

