



Re-imagining the future

Disinfecting high-risk areas with drones



Contents

1	The urgency to slow the curve	4
	Prevention is better than cure	4
2	Innovation amidst the pandemic.....	5
	The use of drones in the war against COVID-19	6
3	Why 4IRI Incubator?	7
	Incubating the future	7
	Leading tomorrow	9

Contacts

Name: Naomi Musi

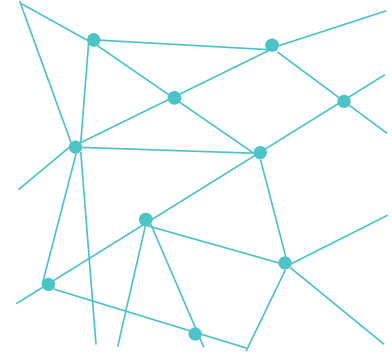
Position: Director

Phone: 083 573 0729

Email: naomi@4iri.co.za

Website: www.4iri.co.za





1 The Drone Academy

How we are Capacitating a Nation

Remote Pilot Licence (RPL) Training

The main classes of drones include multirotor, fixed wing, single rotor and hybrid designs.

4IRI is committed to providing drone pilot training and to trade in the sales of drones. The business will initially import drones for sale, then to assemble locally and finally fully manufacture the drones in South Africa.

The main classes of drones include multirotor, fixed wing, single rotor and hybrid designs.

4IRI has partnered with a Professional Training Academy that prides itself on successful expert aviation tuition. Together we have formed the 4IRI Academy based in Secunda.

Salaria have been leaders in land Surveying for ten years. They have identified the importance of a more accurate reporting of production and how it has caused more and more mining contractors and Mine Owners to contract surveyors, we use precision GPS with VRS technology and state-of-the-art laser (reflector less) theodolites.

These enable accurate and fast measurements.



4IRI has taken this drive, knowledge and partnership to offer South Africans within the area the opportunity to take advantage of this market. By training Drone Pilots to be leaders in the surveyor industry.

We are a premium drone training facility run by passionate & highly-experienced aviation experts who offer exceptional customer service in a modern learning environment, we strive to build a reputation of superior training standards on a global scale.

Training Academy offers our clients professional drone license courses that will take you from classroom to operations.

We take pride in knowing that once our clients have successfully completed our training, they are fully equipped to operate competently in their respective fields.

We also offer opportunities to work with our Commercial Partners in Agriculture, Mining and Engineering.

We have identified that many apply for some kind of drone training, because they work in adjacent fields such as drone software, sales, maintenance, and counter-drone technology but are not themselves drone operators.

2 Who Should Apply

How we are Capacitating a Nation

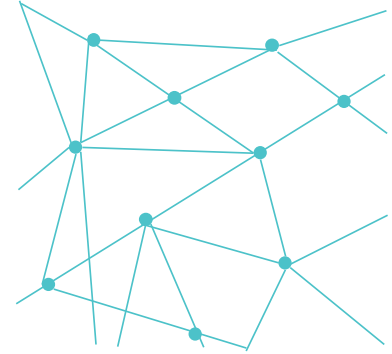
We offer highly competent and professional instructors who have experience in Aviation and Drone Training.

4IRI has identified that across the world individuals are applying for their Remote Pilot Licence in order to fulfil a role within these industries:

- Construction
- Mining
- Film making, Photography and Videography
- Insurance
- Agriculture
- Real Estate
- Transportation
- Journalism
- Architecture
- Health Care
- Energy
- And others...

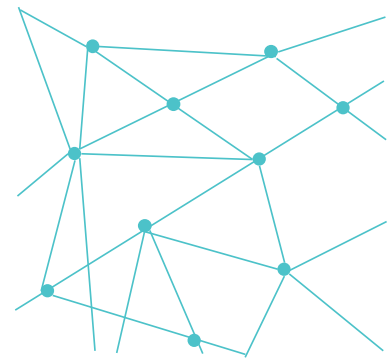
If you have an interest in developing a unique and needed skill within these industries, you should apply.

Email : droneacademy@4iri.co.za for more information on pricing and how to apply.



Drone Training FAQs

- 1. Do I need my own drone?**
4IRI Training Academy provides drones for testing and practice.
- 2. How long is the Training Program?**
The theory training takes only 7 days.
- 3. How will I complete my practicals?**
One of our skilled and qualified moderators will facilitate your practical exam after you have successfully passed your theory training.
- 4. Where will I complete my training?**
Theory and Practical training and exams will take place in Secunda at our Drone Academy and CAA compliant airfield.
- 5. What will I do after Training?**
4IRI Drone academy will assist you with your RPL application.
- 6. What can I do once I have successfully acquired my RPL?**
4IRI will allow successful licence holders to apply for our Drone Pilot Internship program. Where you will be interned with one of our suitable partners based on your interests and skills. Our partners are within the Mining, Agriculture and Construction industries.



3 Drone Innovation amidst the pandemic

The use of drones in the war against COVID-19

China and India's healthcare industries are already utilising drones innovatively into their response to the COVID-19 pandemic. Despite being the first and largest hit, China's responses are notably effective. China and India, like South Africa, consists of a large population, particularly in the cities.

Technology advances enable drones, without unnecessarily exposing humans to:



- Provide aerial spray and disinfection of high-risk areas;
- Transport virus samples for increase testing;
- Manage and view largely populated areas; and
- Deliver essential goods.

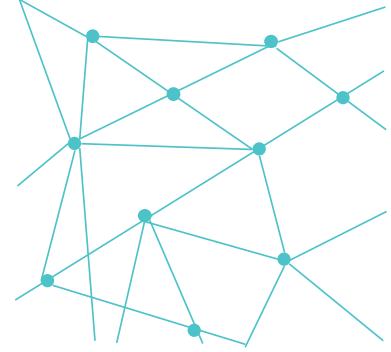
By working with the Department of Transport, municipalities and aviation stakeholders, we will circumvent possible safety risks associated with drones. Such risks include damage to property or people. Mitigations include assessing appropriate times, frequencies, locations, usages and routes.

A successful project will collaborate with stakeholders to:



- Gain the appropriate licences, certifications and approvals. Our team already consists of certified aviation pilots and drone pilots;
- An operational manual with standard operating procedures to ensure operator compliance with the regulations and safety standards;
- Report and manage all activities operated to ensure regular traceability and effectiveness of the solution, using our existing reporting tool;
- Establish and use a safety management system following strict health and safety protocols; and
- Conduct security checks and awareness training with all personal as relevant to their scope and role.

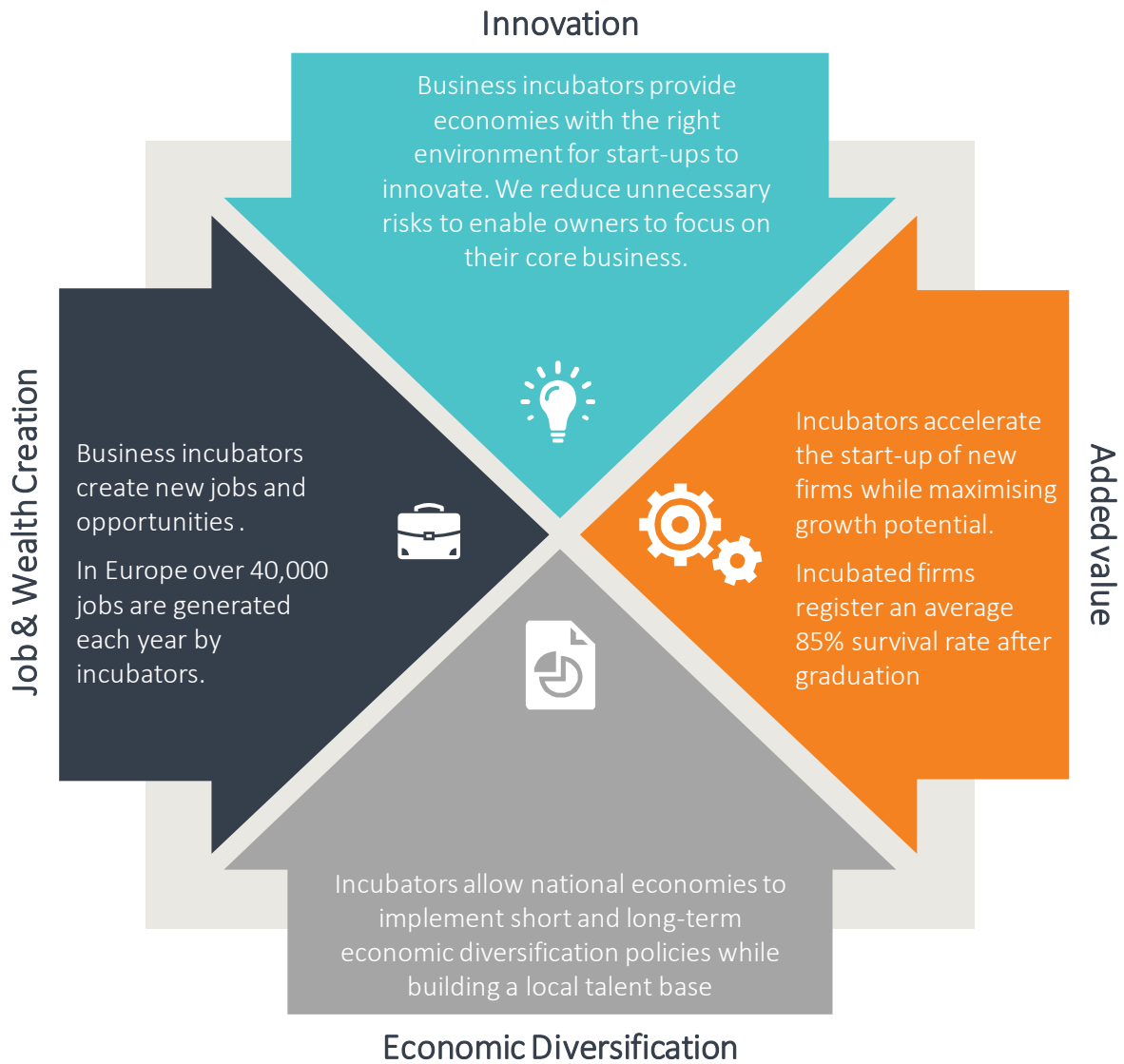
Our teams will work closing with stakeholders to document, manage and deliver successful drone solutions to improve the current virus-reducing measures. Zulu Drones is also a drone educational business and can assist in training people to increase the capacity of the solution nationally.



4 Why 4IRI Incubator?

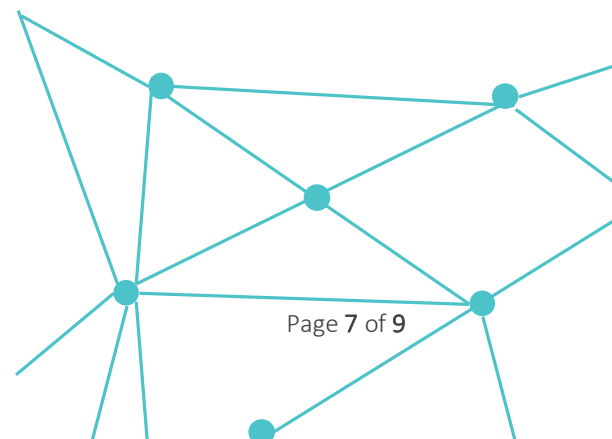
Incubating the future

4IRI will provide the necessary governance and oversight to ensure our EME's benefit while delivering services that add value to the pandemic.



Advantages of business incubators. Incubators have played a crucial role in enhancing the competitive advantage of economies through innovation and diversification.

“4IRI mission is to create an enabling and preferred ecosystem for the commercialisation of disruptive technology that is locally applicable and globally relevant and that will create economic growth. “



The below table illustrates the six key areas of on-going operations in the 4IRIncubator of the future proposed for this project:

<p>1. PORTFOLIO</p> <ul style="list-style-type: none"> ● Government - SEDA SITA - Doc -> DTI - DST -> DSBD - TIA ● The Civil Aviation Authority ● Private ● Academic ● Citizens ● Professional bodies 	<p>2. FUNDING</p> <ul style="list-style-type: none"> ● Fiscus funding ->Government funds ● Levies -> Universal Access Levy ● Donor funding -> Foundations ● Private sector: ESD ->BB & CSI ● Foreign investment ->EEP ● Banks -> Loans ● DFI -> Job fund 	<p>3. ECOSYSTEM</p> <ul style="list-style-type: none"> ● Citizens SOES ● Government NGOs ● Universities ● Private sector ● Entrepreneurs ● African Union / SADEC ● Chambers 
<p>4. GOVERNANCE</p> <ul style="list-style-type: none"> ● SABTIA -> Overarching view of all incubators ● Board project -> Lead departments, private, academic, incubator ● Commission -> strategy 5-10 years ● Panel -> Guide incubator / tees, industry, SME, academia, Government ● SEDA: Government incubators governing board 	<p>5. PROCESS</p> <ul style="list-style-type: none"> ● Commission - sets mandate ● Departments - sets policy/ regulation instruments ● Incubator enables - Citizen / industry engagement / problem statement - Universities / citizen to solve - Incubate viable ideas 	<p>6. METRICS</p> <p>60 % SME</p> <ul style="list-style-type: none"> ● No Jobs ● T/O Growth ● Revenue Generated ● Profitability <p>40% INCUBATOR</p> <ul style="list-style-type: none"> ● Revenue Services ● Qualitative skills and growth PPL 

Leading tomorrow


4IRI's vision is to lead Africa's Digital Narrative. Our purpose is to create an enabling and preferred ecosystem for the commercialisation of disruptive technology that is locally applicable and globally relevant, and that will create economic growth.

Primarily, the incubator was founded to provide development support services to SMME's involved in strategic economic sectors. We are enabling a platform for SMMEs that advance technological solutions that are truly impactful.

4IRI is an SMME Incubation Centre. Our current partners are PWC (Price Water House Coopers) and SEDA (Small Enterprise Development Agency).

This initiative ties into emergency initiatives that fall within a national disaster as well as the need to increase the economic activity of the country through SMMEs development.

We will achieve this by providing innovative solutions to address the current needs of the pandemic with long-term solutions.

A photograph of a drone in flight against a blurred background of a field. A large, light blue, semi-transparent shape is overlaid on the left side of the image, containing text. In the bottom right corner, there is a network diagram consisting of several blue dots connected by thin blue lines.

Drone startups in India and China are working alongside authorities providing services such as disinfecting contaminated areas, managing crowds and delivering medical supplies.