

THE NAMAKWA DIGITAL HUB (NDH)



INFORMATION SHEET

Introducing the Namakwa Digital Business Incubation Hub: Pioneering South Africa's Path to the Future. In the dynamic landscape of the Fourth Industrial Revolution, South Africa's journey towards innovation and economic growth finds a new beacon of hope in the Namakwa Digital Business Incubation Hub supported and funded by the National Department of Small Business Development (DSBD) through its agency Seda and Supported by the Namakwa District Municipality and the Northern Cape Rural TVET College as its host partners. At its heart, this pioneering initiative is dedicated to nurturing the country's future skills, empowering local technology startups, and fostering artisanal enterprises.

The NDH is driven by a vision to harness the transformative potential of digital technologies, the new Namakwa Digital Business Incubation Hub will stand as a testament to the power of collaboration and forward-thinking entrepreneurship. Its mission extends beyond mere incubation; it aspires to cultivate a thriving ecosystem where innovation flourishes, and small enterprises can achieve remarkable growth.

With a strategic focus on navigating the complexities of the Fourth Industrial Revolution, the hub serves as a catalyst for empowering individuals, grassroots innovators, and businesses to adapt and thrive in an ever-evolving digital landscape. Through targeted support and mentorship programs, it seeks to equip emerging entrepreneurs with the tools and knowledge necessary to succeed in today's competitive markets.



THE DETAILS

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Partnership Investment Sponsorship for the full Establishment of the Namakwa Digital Hub for Launch, May 2024

Development Activity	Number Youth and Community SMMEs to be supported	Total Investment Cost	Period for full fund deployment
Enabling Infrastructure - Digital Enabling	<ul style="list-style-type: none"> 550 per year as we focus on solving the triple challenge of unemployment, poverty, inequality, equitable access and localization of unemployed youth and small business. Digital Infrastructure in line with Government 4IR Strategy and Digital Masterplan focusing on building future skills and high growth start-ups for the SA and Africa Economy 	R5,002,300,00	November 2024
Total Investment		R5,002,300,00	

Budget Utilisation Framework:

Expense Item	Rand Allocation	% Allocation
Enabling Digital Technolog Infrastructure	R5,002,300,00	100%
Projected Investment Total	R5,002,300,00	100%

Return on Investment for once off for establishing the hub:

The New Namakwa Digital (NDH) Incubation Hub, situated between two planned South Africa's core economic nodes e.g. **The Namakwa Special Economic Zone and Boegoebaai Rail and Deep-Water Port**, aiming to foster future skills and high-growth technology-based enterprises in the Rural District Municipality of Namaqualand.

The Board of the NDH has identified the following Return on Investment items to you our potential valued partner/ sponsor for the short- and long-term sustainability and establishment of the new Entrepreneurship Hub.

In funding the digital infrastructure, partners will directly contribute towards the following key outcome indicators:

1. Development of 550 youth in new frontier technologies, high tech artisanal occupations, productive, citizens and a new client customer base that can compete in an advanced global economy.
2. Delivery of Business Incubation Services - Allocating funds towards providing comprehensive business incubation services such as mentorship, training, access to networks, and infrastructure support for high growth startups. This can yield returns by nurturing viable businesses that contribute to the local economy and potentially attract further investment. As a partner you will gain new business clients that will use its banking products and services that will be introduced through networking events hosted by the NDH in partnership with your organisation to build and future proof local enterprises.
3. Support towards the development of a high tech TVET based Entrepreneurial and Technology Incubation Hubs located in the underserved province of the Northern Cape.
4. Technology Infrastructure – Investing in technology infrastructure (Apple IMacs), high-speed internet, software tools, and hardware equipment for startups within the hub. This will enable entrepreneurs to develop and scale their tech-based solutions effectively, enhancing their competitiveness and potential for growth.
5. Build College Business Model that can attract funding to scale a best practice model aligned to global model like (42 Silicon Valley). The vision is to roll out College Enterprise Development Hubs to every Northern Cape Rural TVET College Campuses.
6. Skills Development Programs - Funding a lead initiative that is focused on Future Skills Development, including workshops, boot camps, and coding courses tailored to the needs of the local community. By equipping individuals with relevant digital skills, the hub will cultivate a talent pool capable of driving innovation and filling technical roles within emerging enterprises.
7. Increased collective understanding of how-to better support youth and student entrepreneurs in colleges and in the townships/communities.
8. Seed Funding and Grants – Work with other corporates to establish a seed funding or venture program to provide early-stage capital to promising startups. This financial support can help startups overcome initial barriers to growth, accelerate product development, and attract follow-on investment, leading to sustainable business growth and job creation within the region.
9. Informed solutions on how to increase market access for youth entrepreneurs within the township and broader South Africa and Africa economies.
10. Co-Branding – of the Namakwa Digital Hub its programs and events
11. Building a fundable pipeline of Youth Enterprises that through tailored support from the Hub can derisk them ensuring, Solvency + Liquidity = Bankability. This will provide Funders with Businesses that are Funding Ready.


Detailed Infrastructure Cost

Welcome Centre Equipment	Quantity	Unit Price	Sum Total
25-inch iMac Computers M3	1	R45 000,00	R45 000,00
Office Printer (Light Duty)	1	R8 500,00	R8 500,00
		Total Ask:	R53 500,00
Main Hub Equipment	Quantity	Unit Price	Sum Total
Office Equipment	Column1	Column3	Column4
25-inch iMac Computers M3	2	R45 000,00	R90 000,00

MacBook Air Laptop	1	R19 000,00	R19 000,00
Office Printer (Heavy Duty)	1	R28 000,00	R28 000,00
		Total Ask:	R137 000,00
<u>Boardroom And Auditorium</u>			
Interactive SmartBoards	2	R110 000,00	R220 000,00
Clickshare Automation	1	R40 000,00	R40 000,00
		Total Ask:	R260 000,00
<u>Coding Lab</u>			
25-inch iMac Computers M3 Or DELL XPS 8960 DT :13TH GEN INTEL CORE I7 13700 PROCESSOR (16-CORE, 24MB CACHE, 2.1GHZ TO 5.1GHZ), 16GB DDR5, 2X8GB	30	R60 000,00	R1,800 000,00
		Total Ask:	R1,800 000,00
<u>Cafeteria/Bistro Area</u>			
Coffee Machines Industrial Grade	1	R21 000,00	R21 000,00
Deep Fryers Industrial Grade	1	R2 000,00	R2 000,00
Toasters Industrial Grade	2	R2 400,00	R4 800,00
Disposable Cutlery & Crockery (White Cups, Plates, Servites, Spoons, Forks etc)	3	R3 200,00	R9 600,00
Water Dispensers (All Across the Main Hub)	5	R3 000,00	R15 000,00
Extractor Fans Chef Grade	1	R38 000,00	R38 000,00
Sandwich Press Chef Grade	1	R3 900,00	R3 900,00
Deli-Case Industrial Grade	1	R5 500,00	R5 500,00
Beverage Cooler Industrial Grade	2	R24 000,00	R48 000,00
PoS System with Slip Printer & Card Machine	1	R17 000,00	R17 000,00
Microwave	1	R2 200,00	R2 200,00
Electric Griller	1	R3 800,00	R3 800,00
		Total Ask:	R170 800,00
<u>Maker Space Equipment</u>			
	Quantity	Unit Price	Sum Total
25-inch iMac Computers M3 Or DELL XPS 8960 DT :13TH GEN INTEL CORE I713700 PROCESSOR (16-CORE, 24MB CACHE, 2.1GHZ TO 5.1GHZ), 16GB DDR5, 2X8GB, AT	10	R60 000,00	R600 000,00
Oculus VR Goggles	5	R18 000,00	R90 000,00
Computer Sketch Boards	10	R1 000,00	R10 000,00
Data Room Industrial Air-Conditioning	2	R55 000,00	R110 000,00
3D Rapid Prototype Printers (Industrial Grade with Consumables)	5	R70 000,00	R350 000,00
		Total Ask:	R1,160 000,00
<u>Drone Lab and Docking Station Equipment</u>			
	Quantity	Unit Price	Sum Total

DJI Mavic 3 Pro Fly More Combo and DJI Matrice 30	15	R69 000,00	R1 035 000,00
Tello or CoDrone EDU Drones	10	R5,000,00	R50,000,00
Plastic LindBins	2	R15,000,00	R30,000,00
DJI Matrice 30 Dock Station Automated	1	R306,000,00	R306,000.00
		Total Ask:	R1,421 000,00
		Total Ask:	R5,002,300,00

Equipment Descriptor

Core Digital Equipment to be purchased and quantities	Visual Description
<p>25-inch Computers M3 – High spec for Coding and Data Analytics or DELL i7 or Laptops (offices)</p> <p>Units x33</p>	

86 Interactive Board x2 –

The 86-inch MeetingBoard is a collaboration device that is suitable for various deployment needs. It delivers an immersive audiovisual experience as it features six speakers, a built-in 4K camera, a 4K touch display and a 16-MEMS microphone array. Its wide LED touchscreen display supports professional video conferencing requirements. It enables seamless collaboration with Microsoft's native whiteboard, which provides a digital paper writing experience.



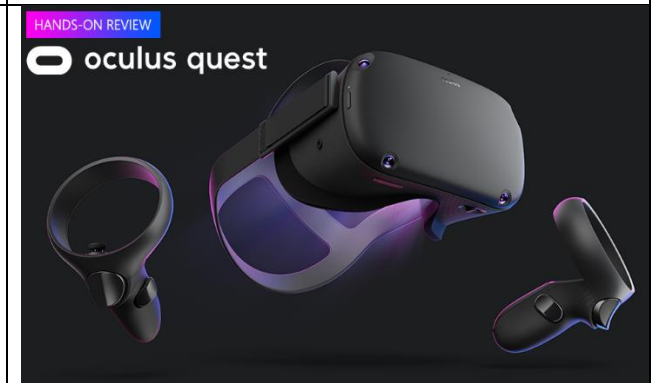
Clickshare Automation x2 -

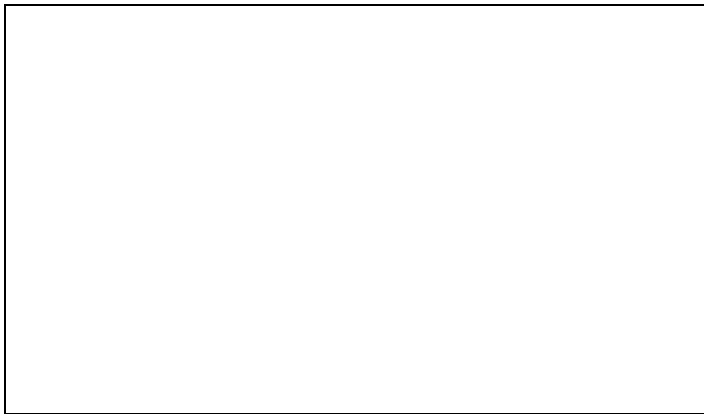
Audio Visual experts for wireless presentation requirements. For huddle spaces to the NDH conference room. Deliver effortless presentations



Oculus VR Goggles X5

Called Horizon Workrooms, the app aims to allow colleagues to work together through the power of virtual reality (VR), giving [Oculus](#) Quest 2 supports enterprises the opportunity to collaboratively edit documents, brainstorm ideas this will help immersive digitisation and support e-government.





Computer Sketch Boards x10

Sketching is a crucial step in the product design process. It involves taking the ideas and insights gained from user research and translating them into visual concepts. Sketching is an iterative process that allows designers to explore different ideas and refine their designs before moving on to more detailed design work. The digital sketch boards will support local designers in the NDH Makerspace to use design thinking in building first stage prototypes.



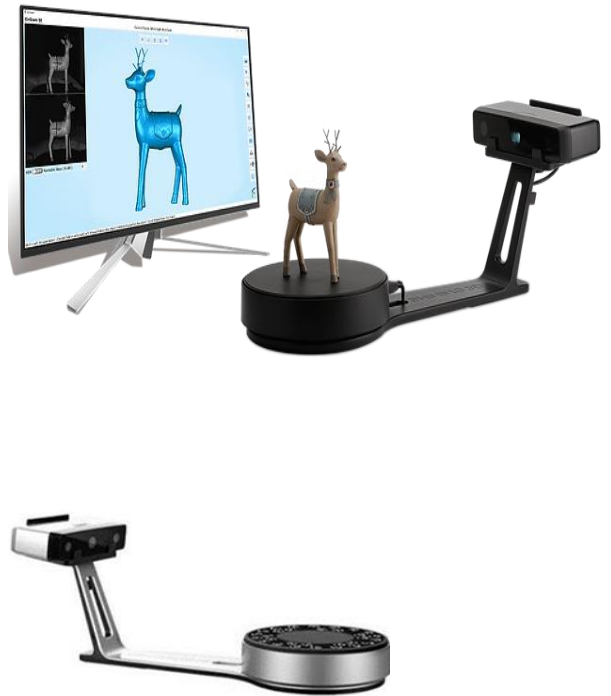
Bambu Lab A1 & A1 Combo x3

Bambu Lab P1S x2

3D printing or additive manufacturing is the construction of a three-dimensional object from a CAD model or a digital 3D model. It can be done in a variety of processes in which material is deposited, joined, or solidified under computer control, with the material being added together, typically layer by layer. This will support rapid prototyping.



EinScan-SE V2 3D scanning is the process of analysing a real-world object or environment to collect three-dimensional data of its shape and possibly its appearance (e.g. colour). The collected data can then be used to construct digital 3D models x2



DJI Mavic 3 Pro Fly More Combo x5

Soar to speeds up to 65km/h with the incredibly lightweight and amazingly equipped DJI MAVIC Pro drone. Weighing just 743g and folds up to about the size of a water bottle. Equipped with Front Obstacle Avoidance and Active Tracking functions, it features a 4K UHD camera on a 3-axis gimbal. The Drones will be used to train 15 Drone Pilots per quarter and drive commercial contracts with the Mines, Agri and Solar and Wind Farms. The data collected will be processed by and additional 5 Data processes in the Makerspace.



Namakwa Drone Docking Station x1

When complete it will be the first and largest Drone Docking Facility in South Africa

Phase 1 will be the physical docking platform.

Phase 2 will be the DJI Autonomise Docking Station



Telle Code Drone - Perform flying stunts, shoot quick videos with EZ Shots, and learn about drones with coding education.x10

Or

The CoDrone EDU is a programmable drone, meant for learning in the classroom. Code it in Python or start from the basics with block-based coding. Unique to this drone are its color sensors, a front range sensor, a bottom range sensor, among others—all usable in code. With a durable and safe frame, programmable lights, and access to its 7 sensors, it's an excellent learning tool and a great way to learn coding and engineering skills.



codroneEDU

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Moreover, the Namakwa Digital Business Incubation Hub recognises the importance of preserving and promoting artisanal enterprises, ensuring that traditional craftsmanship continues to thrive alongside technological advancements. By bridging the gap between tradition and innovation, it fosters a holistic approach to economic development, rooted in sustainability and inclusivity.



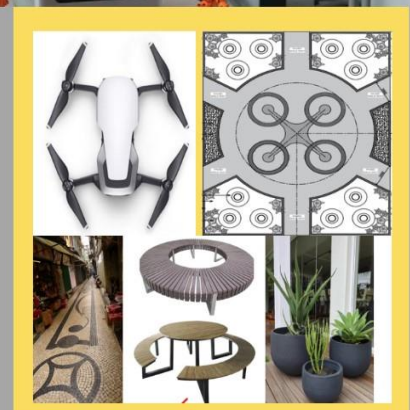
THE HUB FOCUSES ON THE FOLLOWING VERTICALS:

Sector Verticals:

- MiningTech
- AgriTech
- CleanTech
- Manufacturing Technology

Technology Verticals:

- Virtual Reality (VR)
- 3D Printing
- Autonomis Mobility (Drones)
- Coding & Data Analytics
- Cloud Computing
- IOT



As South Africa charts its course towards a brighter future, the Namakwa Digital Business Incubation Hub stands poised to lead the way, inspiring a new generation of entrepreneurs, driving technological innovation, and building resilient communities for generations to come.