



The Benefits of Smart Partnerships in enabling Digital Transformation and Artificial Intelligence

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The Definitions:

Smart Partnership

- Strategic **collaboration** between businesses, governments, academic institutions, and technology providers.
- Aimed at **achieving mutual benefits** through leveraging each partner's strengths.

Digital transformation

- The process of **integrating** digital technologies into all areas of a business or organization, fundamentally **changing** how it operates and **delivers value** to customers.
- This transformation involves **reimagining** business processes, culture, and **customer experiences** to meet **changing market demands** and leverage new technological **opportunities**.

Artificial Intelligence

- Refers to the **development** of computer systems that can **perform tasks** typically requiring **human intelligence**.
- This encompasses **machine learning**, **natural language processing**, generative and predictive analysis, etc.

The Benefits and Key Aspects



Resource Sharing

- Pooling technology, expertise, and data for efficient implementation.

Innovation and R&D

- Joint research and development of cutting-edge technologies.

Scalability and Integration

- Scaling solutions and integrating them into existing systems.

Capacity Building

- Training and upskilling the workforce.

Regulatory and Ethical Frameworks

- Developing and adhering to responsible guidelines.

Global Reach and Impact

- Extending technologies to different regions and industries.

Known Case Study Globally

1. Healthcare: AI-Powered Diagnostics

Partners: IBM Watson Health and Mayo Clinic

- **Objective:** To enhance diagnostic accuracy and speed.
- **Solution:** IBM Watson's AI was integrated with Mayo Clinic's patient data to develop advanced diagnostic tools.
- **Outcome:** Improved early detection of diseases and personalized treatment plans

2. Education: Personalized Learning

Partners: Arizona State University and CogBooks

- **Objective:** To provide personalized learning experiences for students.
- **Solution:** Integrating CogBooks' AI-driven adaptive learning platform into the university's curriculum.
- **Outcome:** Improved student engagement and learning outcomes

Known Case Study Globally - Continue

3. Smart Cities: Traffic Management

Partners: City of Barcelona and Cisco

- **Objective:** To optimize traffic flow and reduce congestion.
- **Solution:** Deploying Cisco's AI-driven traffic management system.
- **Outcome:** Improved traffic flow, reduced congestion, and enhanced public safety

4. Finance: Fraud Detection

Partners: HSBC and Ayasdi

- **Objective:** To detect and prevent fraudulent activities.
- **Solution:** Implementing Ayasdi's AI-driven machine learning algorithms to analyse transaction data.
- **Outcome:** Enhanced fraud detection capabilities, reducing financial losses

MTC Smart Partnerships and Impact



The High-Tech Transfer Plaza Select (HTTSP)

Partners: MTC and NUST

- **Objective:** To drive innovation and fostering collaboration between academia and industry.
- **Solution:** Establish a partnership between MTC and the Namibia University of Science and Technology (NUST).
- **Outcome:** Promote digital inclusivity that will position Namibia as a leader in technology.

Partnerships and Impact

1. Government: COVID 19 relief fund distribution

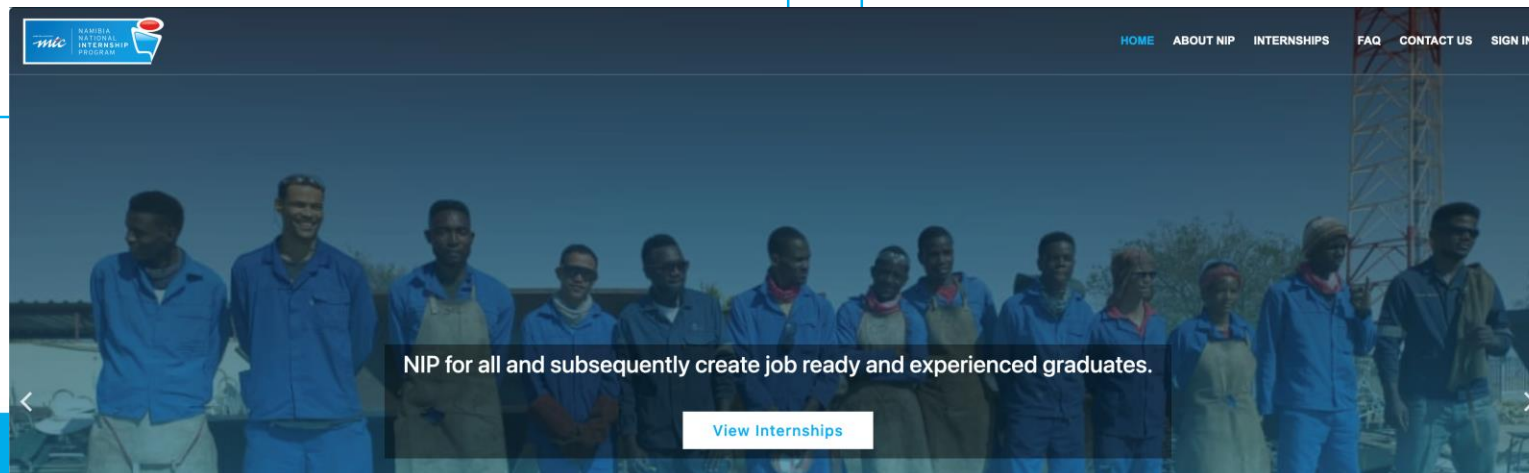
Partners: MTC, MobiPay and Ministry of Finance

- **Objective:** Facilitate the distribution of COVID-19 relief funds.
- **Solution:** Develop a system in collaboration with MobiPay to assist the Ministry of Finance.
- **Outcome:** Efficient and effective distribution of COVID-19 relief funds.

2. Skill Development: National Internship Program

Partners: MTC, Momentum Metropolitan, Old Mutual, Standard Bank and NIP

- **Objective:** Facilitate internship opportunities for students.
- **Solution:** Develop a system that allows companies to request interns.
- **Outcome:** Financial support for students during their internships, promoting practical learning experiences.



Partnerships and Impact

3. Entrepreneurship: Support startups

Partners: MTC and Impact Tank

- **Objective:** Foster open innovation and support startups.
- **Solution:** Establish partnerships with organizations like Impact Tank and provide resources and support to startups through these collaborations.
- **Outcome:** Enhanced innovation ecosystem and growth of startups.



4. NGO: Drought Relief Food Distribution

Partners: MTC and WFP

- **Objective:** Streamline the distribution of drought relief food to marginalized communities.
- **Solution:** Develop a system that captures relevant information about impacted households, Create food relief vouchers for these households, and allow households to redeem the vouchers at participating local supermarkets.
- **Outcome:** Efficient and organized distribution of drought relief food.



Others: Talent Development & Incubation



Game Development – Edu Game Namibia

Huawei Seeds for the Future Programme

MTC Tech Innovation Bazaar

Havana Café Project

National Cybersecurity Competition

High School Programming Competition

Others: Signing of MoUs



MTC and Keetmanshoop Town council Collaboration MoU



MTC and Municipality of Omaruru Collaboration for improved connectivity and the implementation of a smart meter network



MTC/NUST and Methealth collaboration MoU



MTC and City Of Windhoek Collaboration to combat crime



MTC and ErongoRED Collaboration MoU



MTC and NORED Collaboration MoU

Key Partnerships



Nampol



NUST/NCS -
Tripartite



NUST



Letshego



SSC



Swakop
Municipality



CENORED



Erongo Red



TransNamib



Namdeb



NORED



World Food
Programme



UNICEF



NUST // MTC //
Huawei



MTC // NUST //
WFP



NAMCOR



NIPDB



MTC/NUST/NIP



Ministry of Health
& Social Services

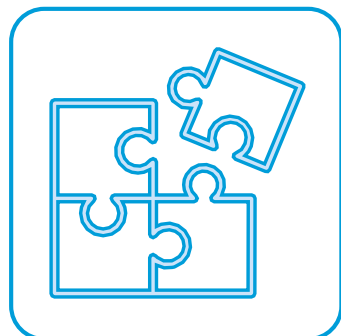


Momentum



Old Mutual

Partnerships: Why?



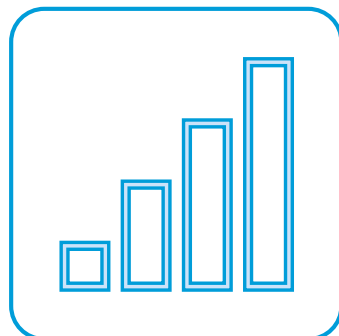
Strategic Alliances

- Shared Vision for tech advancement
- GRN Bodies, Industry, Startups, NGO's, Tech Giants, Academia



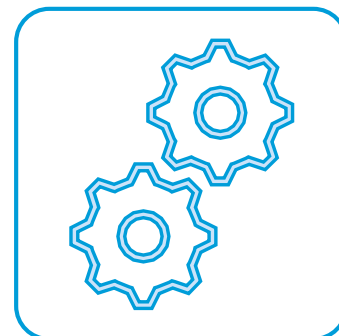
Co - Innovation

- Collective Intelligence
- Unique Perspectives & Capabilities
- New solutions, products and services



Market Expansion

- Access new markets and customer segments
- Benefits of tech reach all corners of Namibia
- Bridging the digital divide



Ecosystem Development

- Creating an innovation ecosystem
- Incubate & launch ideas
- Building a vibrant and disruptive tech sector



Sustainable Growth

- Continuously seeking out new opportunities
- Remaining agile and responsive to emerging trends
- Shaping Namibia's digital future

Conclusion

Through strategic partnerships, cutting-edge innovations, and a commitment to digital inclusivity, MTC is propelling Namibia towards a more connected, innovative, and prosperous future.

By expanding smart partnerships, leveraging data analytics, and strengthening networks, MTC enhances service offerings and contributes to the socio-economic development of the nation.

The ongoing journey of innovation and collaboration through the High-Tech Transfer Plaza Select (HTTPS) initiative continues to create a brighter technological future for Namibia.



END

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