"BUILDING A SELF-SUFFICIENT HEALTHCARE CONTINENT OF AFRICA"

Devendra Mishra

Executive Director & Co-Founder, BSMA







How did Ebola start?



OUR PATRON

- Minister of Health
- People's Republic of Rwanda





OUR ANCHOR

TRADE & INVESTMENT COMMISSIONER BELGIUM Based in RWANDA, BURUNDI & Ethiopia





Ngamije, Republic of Rwanda



Devendra Mishra, **BSMA**



Franck Toussaint, **BSMA Europe**



Dr. Abdul Samed Muntak, Kwame **Nkrumah University**



Inès Buki, Chemonix



Alain Samne, Institut Pasteur de Dakar



Ben Leyka, African Agricultural Council (South Africa)



Azuka Okeke, African Resource for Excellence in **Supply Chain** Management



Eric Santkin, Belgium (based in Rwanda)



Dr. Prashant Yadav, INSEAD



of Science & Technology

Janet Byaruhanga, Public Health, AUD-NEPAD



Dr. Nadine Rujeni, National University of Rwanda



Dr. Shevin Jacob, Walimu (Uganda)



Rwanda Medical Supplies (RMS)



Dr. Ranjana Pathak, Reddy's Laboratories



Nakoune, Institut Pasteur, Bangui, Central Africa Republic



Dr. Edgard Valery Adjogoua, Institut Pasteur de Côte d'Ivoire



Dr Hervé Kadjo, National Influenza Centre, Pasteur Institute of Cote d'Ivoire





Maurice Demanou, WHO



Dr. Cheikh Tidiane Diagne, diaTROPIX (Institut Pasteur de Dakar)



Olivier DeFawe, Village Reach



Samuel Speltdoom. **Brussels Airport**



Solange Nisingizwe, Africa World Cargo



Frank Van Gelder, Pharma.Aero



Phil Maxson, Global **Cold Chain Logistics** Services





Dr. Nico Vandaele, KU Leuven (Belgium)



Dr. Randy Bradley, Haslam College of Business, University of Tennessee



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OUR SPEAKERS



Dr. David Asamoah, Kwame Nkrumah University of Science & Technology



Dr. Rabopale Pooe, University of Johannesburg (SA)



Global Africa Leadership Council



Jean Naracisse Djaha,



Professor Adegoke Oke, Arizona State University

OUR SPONSORS





























OUR PARTNERS























DRIVERS OF THE PROSPERITY OF A NATION Empowerment





STATE OF THE HEALTH OF THE **AFRICAN**

- 52% of Africa's citizens have access to healthcare
- Africa bears >24% of the global burden of disease but has access to only 3% of health workers and
 1% of the world's financial resources, WHO
- HIV aids, tuberculosis and malaria are an obstacle to human development. They kill more than 3 million people per year
- 75% of its drugs and vaccines are imported
- 2.5% of clinical trials of the world in Africa with
 17% of the population
- 42% of fake medicines reported 2013- 2017 were from Africa, WHO

REALITY OF THE COVID-19 PANDEMIC

The Health Security of the Continent was threatened by the vulnerabilities in the Supply Chain and lack of manufacturing and supply chain infrastructure.

African health systems have been damaged during the pandemic by a toxic combination of high import dependence, low purchasing



PILLARS OF HEALTHCAREA SELF SUFFICIENCY

- Unleashing of human ingenuity & entrepreneurship
- Collaboration for critical mass of demand, capital, resource, knowledge & experience
- Vaccine & drug development in the African union
- Local bio-pharmaceutical manufacturing
- Domestic transportation network
- Education & workforce development



RESPONSE OF THE AFRICAN UNION

- AfCFTA in 2021 to integrate the market
- AUDA-NEPAD
- African Medicine Agency









TECHNOLOGY: ENABLER OF A QUANTUM LEAP

- Internet
- Mobility
- Information Systems
- Cloud, AI, ML, BC
- Digital Supply Chain



DIGITALIZATION: THE NEW IMPERATIVE

Digitization

Digitalization

Digital Transformation



Conversion of Analogue to Digital (data)



Adaption (Process)



Creation (Business)



DRONES FOR BLOOD DELIVERY

MOONSHOT COLLABORATION

- Government
- Private sector
- Public sector
- Academia
- NGOs & International Agencies







CALL TO ACTION:
MESSAGE OF
NELSON
MANDELA:

Springboks rugby captain, Francois Pienaar, before his World Cup Final match with New Zealand in 1995.

MAN IN THE ARENA

"It is not the critic who counts; not the man who points out how the strong man stumbles, or where the doer of deeds could have done them better. The credit belongs to the man who is actually in the arena, whose face is marred by dust and sweat and blood; who strives valiantly; who errs, who comes short again and again, because there is no effort without error and shortcoming; but who does actually strive to do the deeds; who knows great enthusiasms, the great devotions; who spends himself in a worthy cause; who at the best knows in the end the triumph of high achievement, and who at the worst, if he fails, at least fails while daring greatly, so that his place shall never be with those cold and timid souls who neither know victory nor defeat."

Theodore Roosevelt, April 23, 1910

THANK YOU









