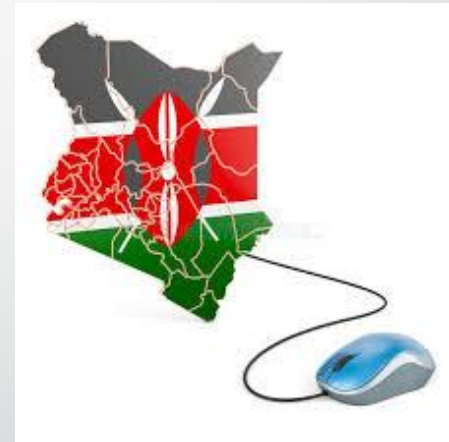


Kenya–South Korea ICT Infrastructure Collaboration

GLOBAL INFRASTRUCTURE COOPERATION CONFERENCE
(GICC 2025)

SPEAKER: WASHINGTON OKOTH,
MINISTRY OF INFORMATION, COMMUNICATIONS AND DIGITAL
ECONOMY.

STATE DEPARTMENT FOR ICT AND DIGITAL ECONOMY.
KENYA



Strategic Partnership Overview

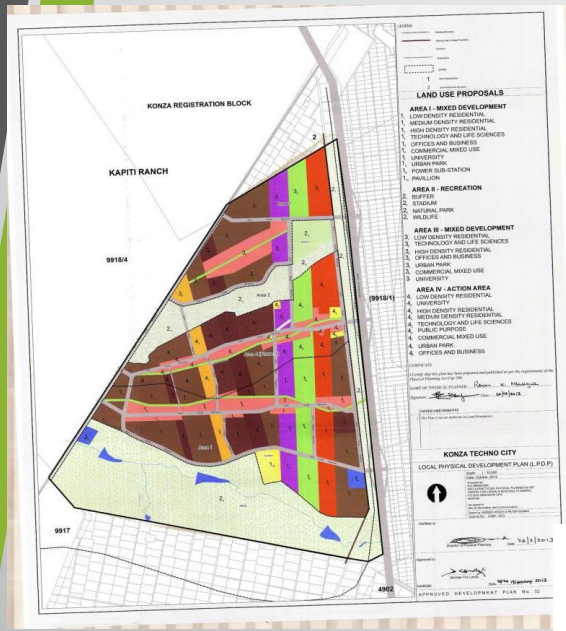
- Kenya and South Korea have committed USD 1 billion (KSh 120 billion) across sectors including ICT, Education, Infrastructure, Urban Transport, etc.
- The partnership aligns with Kenya's Vision 2030 through the Economic Innovation Partnership Programme (**EIPP**)—a multi-year cooperation initiative.

Konza Technopolis – Africa’s Silicon Savanna

60km from Nairobi
180K residents at full build

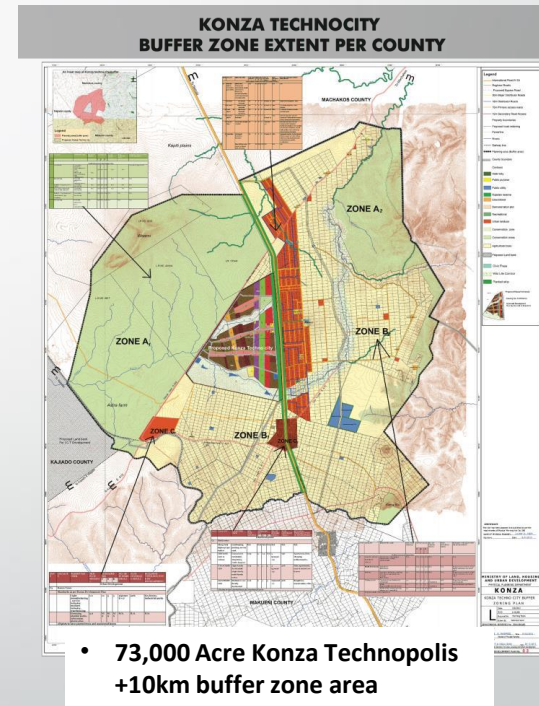
1.5 Trillion Investment
3000 workers at 2022;

240K Population at Full build;
2% GDP contribution; **Africa’s Smartest city**



- Phase1 Konza Technopolis
- Planning for combined phase 2/3 ongoing

• 5,000 Acre Konza Technopolis



Construction Operations and Management

Horizontal infrastructure Development

- Phased development
- Phase 1 complete (99%)



Vertical Developments

- Konza Technopolis projects
- Conferencing facility
- Konza Office block
- Furnished apartment
- KAIST

Best in class Infrastructure - PHASE1



Water Treatment Plant: Output capacity 7.5Mega litres/day to 62 mega litres storage capacity of 13.7Mega litres



Waste Water Reclamation

Facility(WRF) :

Capacity of 6,000 cubic meters



Streetscape

40 km of streetscapes, landscaping of streets and parks.



Automatic Waste/Collection

15 Km Vacuum Solid Waste conveying system, programmable Logic Controller system with 4 operation modes.



Utilities & Utility Tunnel

170 km Drainage and water supply system; 15 km Irrigation and reuse System; 9 km Utility Tunnel



Landscaping & Parks

About 10,000 trees and 50 different plant more than 1.5 km of cycling paths.



Electrical System & ICT Conduits

40 km of power lines, 1 main electrical station, 50 electrical substations; approx. 500 km of ICT conduits.



Public Facilities

Police and Fire Station; Entrance and Security Feature; Welcome Center.

Infrastructure to Enable a Smart City and Innovation Ecosystem



Road Transport

- Nairobi-Mombasa link
- Upcoming greater Southern bypass,
- The Nairobi Express Way.
- **Dualling of Machakos junction to Konza Technopolis for enhanced road connectivity**

Air and Drone Zone

Explorations ongoing between KCAA, KAA, Met department and KOTDA with private investors to establish and airport /drone zone

Powering Ecommerce, Agri and other such Usecases

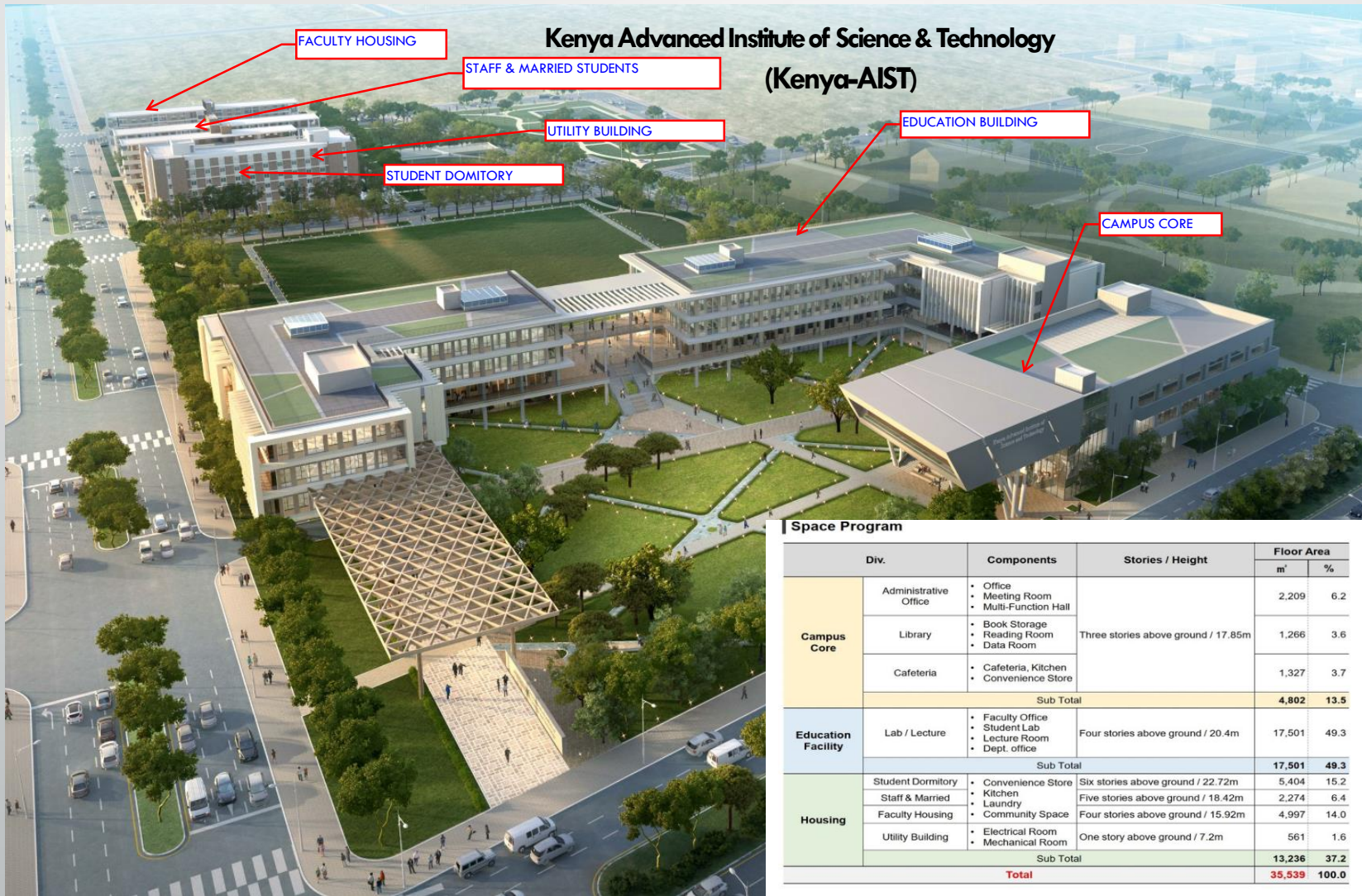
Rail Transport: The Mombasa-Nairobi Standard Gauge Railway (SGR):

- Konza is located 21km from the nearest SGR station, **The Meter Gauge Railway (MGR) station is Water:**
- **Smart Logistics Hub**

3 sources are provisioned for to enable reliable water supply to the Technopolis

- **Thwake Dam;** An ongoing Government of Kenya project to supply water for Phases 2 & 3 of Konza Technopolis and the larger Eastern region

Kenya Advanced Institute of Science and Technology (KENYA AIST)



Space Program

Div.	Components	Stories / Height	Floor Area	
			m ²	%
Campus Core	Administrative Office	• Office • Meeting Room • Multi-Function Hall	2,209	6.2
	Library	• Book Storage • Reading Room • Data Room	1,266	3.6
	Cafeteria	• Cafeteria, Kitchen • Convenience Store	1,327	3.7
Sub Total			4,802	13.5
Education Facility	Lab / Lecture	• Faculty Office • Student Lab • Lecture Room • Dept. office	17,501	49.3
	Sub Total		17,501	49.3
Housing	Student Dormitory	• Convenience Store	5,404	15.2
	Staff & Married	• Kitchen • Laundry	2,274	6.4
	Faculty Housing	• Community Space	4,997	14.0
	Utility Building	• Electrical Room • Mechanical Room	561	1.6
Sub Total			13,236	37.2
Total			35,539	100.0

Konza Digital Media City (DMC)

VISION:
Africa's leading Creative Economy Hub



TV / BROADCAST

FILM

ANIMATION, GAME, VR (AI)

ICT, SOFT-HARDWARE

SUPPORT FACILITIES

OBJECTIVES

Positioning Kenya as an attractive filming location of international standards

Attract Global Investments in the film and media industry

Draw creative talent and stimulate linkages and exchange ideas

Open new entertaining and tourism possibilities

Incubating M&E industry and training youth to be experts

DIGITAL MEDIA CITY

The Project is ongoing at resource mobilisation stage following the successful completion of the feasibility and pre feasibility studies.

Light Manufacturing and Logistics HUB

Master planned Light Manufacturing and Logistics zone with all amenities in place.

- (Power, Transport linkages, SEZ incentives, Labor One stop shop support).

Ideal for organizations seeking entry to the East African and larger sub-Saharan regional block.



Light Manufacturing Hub

- Dedicated area for Light manufacturing corporations' assembly lines, Electronics assembly Etc



Ideal for Centers of Excellence

- Agro processing, Biotechnology,
- Smart farming technologies (Hydroponics)
- Research centers, food technology.
- Value addition facilities.



Konza Technopolis Logistics park

- Dedicated and well set out to facilitate ease of movement of Goods.
- Strategically situated and well served by Road, Air and Rail.

Immediate Priorities

Quick wins (6 months)

- **E-Government (Digital Superhighway)** solutions (Emails, VDIs, IdeaHubs for CSs and PSs, Platforms in support of E-gov)
- **Operationalise Smart City Services** by September 2024
- **Digital Hubs** : Operationalization
- **Creative Economy Program** (photography, videography)
- **Housing at Konza** – Groundbreak with NHC
- Operationalise **Kenya-AIST**

Short-term Priorities

Short term (6 to 18 months)

- **Deepening support to E-gov agenda** (platforms)
- **Jitume Acceleration** - Jitume Kazi – Jobs component
- **Kenya - AIST operationalization**
- **IASP Global Conference** – hosted in Kenya, September 24 – 27, 2024
- **Co-working space** launch at Konza Technopolis
- Konza Technology and innovation park “with a greening target
- **Konza Smart City Solutions** launch
- Green tech – Emobility, Green energy
- Space tech
- Knowledge economy and innovation platform – (Research 2 Commercialisation)

Medium-term Priorities

Medium term (18 to 36 months)

- **Innovation Ecosystem** – Startup Fund
- **Digital Media City** Ground-breaking
- **Host strategic gov platforms under E-Gov priorities**
- **Talent (Clusters)** 500K+ trained via Jitume
- City with **at least 15 new developments** ongoing (Gov and private)
- **Dualled Road** (Machakos Junction to Malili)
- **Manufacturing, Assembly, Light Manufacturing companies'** kickoff
- **Phase2 infrastructure** development initiation
- **Center of Excellence** – TVET, Agri tech.

Priorities in the next 3 to 5 years

Long term (3 to 5 years)

- **Phase2 Verticals** – Supported and accelerated.
- **Software Companies Operating (BPOs)** from Konza Technopolis
- **Hosting 80% digitalised** services under Egov projects
- **Robust Knowledge Economy** and innovation program
- Operationalise DMC and support **DMC Infra-development**
- **Green solutions, light Manufacturing** and (Electric vehicles) assemble plants
- **Space tech advancements** at Konza Technopolis

Project Potentials/Opportunities

Long term (3 to 5 years)

PROJECT	STATUS
Dualling of A8 from Machakos junction to Malili	Feasibility Completed
Modern Rail Connection CBD-JKIA-Konza	Not started
Phase II Horizontal Infrastructure & Smart City Facilities Project	Feasibility
Dedicated Water Pipeline from Naulturesh to Konza Technopolis	Feasibility Completed
Smart Mobility (Phase 1 & Phase 2)	Pre-Feasibility
Smart Utilities and Sports Stadium (Phase 1)	Not started
Establishment of an Industrial Complex, and Shopping Centers for Phase I	Not started
Smart Solar and Wind Farm	Not started
Establishment of Level 6 Hospital	Not started
Establishment of Convention Centres, Hotels, Accommodation Facilities, Social amenities, and Schools etc	Not started
Establishment of Renewable Energy	Pre-Feasibility
Establishment of Innovation Incubation Center	Pre-Feasibility

Investment opportunities at Konza Technopolis



ICT/IT based
manufacturing, products
and services



Smart City facilities and Utilities:
Smart transport, lighting, energy,
water, utilities, data among others



Life Sciences:
Research centres, Bio-
technology, Medicine, Tele-
medicine, Pharmaceuticals,
Hospitals among others



Agricultural Tech Park:
Centres of Excellence, Research
Centres, Food Technology, Value
addition, Agro-processing



Education sector:
Universities, Technical Institutions,
Colleges and Schools



Engineering services



**Light Manufacturing,
Industrial Parks, Logistics
and Infrastructure**



Robotics



Financial Services



Enterprise Incubation



Real Estate:
Residential, Commercial and Mixed Use
facilities, Retail establishments, Hotels &
Convention Centers



**Film,
Entertainment &
Recreational
facilities**



**Use of Konza's world
class Tier III Data
Centre**

Broader ICT Impact & Expansion

- Kenya aims to roll out 100,000 km of national digital superhighway fiber, 25,000 free digital hotspots, and 1,450 Digital hubs nationwide.
- These efforts extend digital access, innovation, and inclusion to communities across the country.

Strategic Outcomes & Shared Vision

- Technology transfer & capacity building: Through educational institutions like Kenya - AIST and innovation centers.
- Economic transformation: Smart city infrastructure and digital media hubs fuel job creation and tech-driven industries.
- Regional leadership: Kenya positioned as Africa's Silicon Savannah, leveraging creative economy and smart infrastructure.

Conclusion & Call to Collaboration

- The Kenya–South Korea ICT collaboration is a flagship model for sustainable digital development—smart infrastructure, capacity building, and innovation-driven growth.
- Invite GICC stakeholders to explore replicable models, partnerships, and investments for ICT infrastructure in emerging economies.

THANK YOU

