



# NEF Innovation Framework



## Basic Infrastructure

- Roads
- Ports
- Airports
- Electricity
- Water



## Economy Specific Infrastructure

- GSM Network
- Fiber optics
- Internet coverage
- Data Storage Capacity
- Digital public service delivery



## Enabling Environment

- Regulatory
- Policy
- Investment
- Public Acceptance
- Financial Instruments
- Ethics/Citizen rights



## Enabling Technologies

### SHORT TERM

- Cyber security
- Cloud Computing
- Big Data Analytics
- AI

### MEDIUM TERM

- Block chain
- IOT
- 3D Printing

### LONG TERM

- Biotechnology
- Robotics
- Energy Storage



## Human Capital Development

- **Upstream:** Teachers, Vocational Training
- **Knowledge Creation:** Masters, PhDs, Reserchers, Entrepreneurs
- **Knowledge commercialization:** Engineers, Skilled professionals

**Digital Economy Requirements**