



**FIDIC AFRICA 2021**  
Infrastructure Conference

**A LOOK AT SKILLS COLLABORATION IN  
AFRICA:  
DEVELOPMENT OF ENGINEERING SKILLS IN THE  
PUBLIC / PRIVATE SECTOR**

**KIM TIMM  
AECOM**

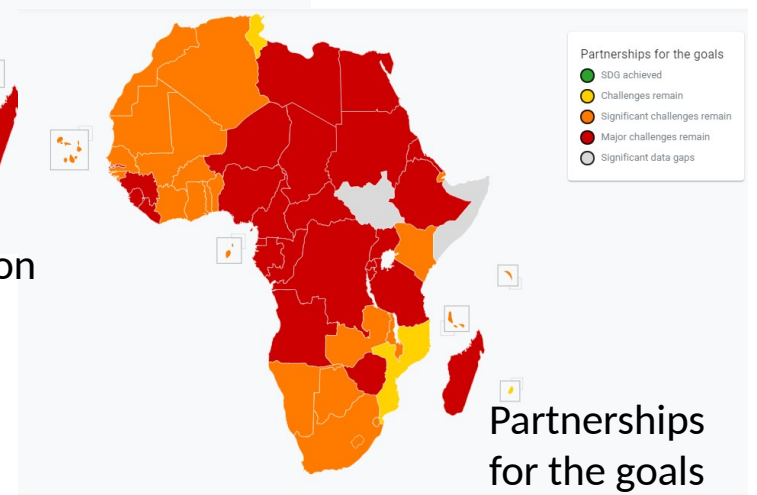
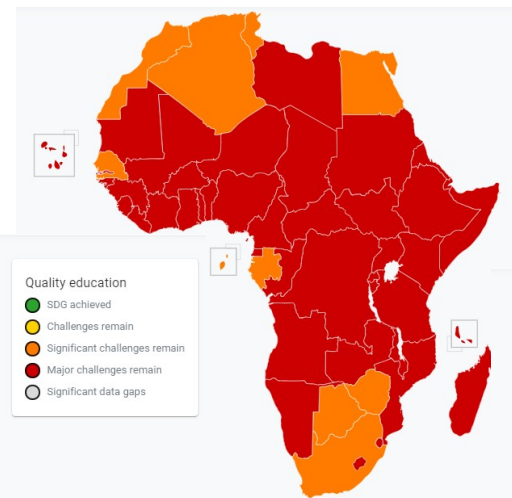
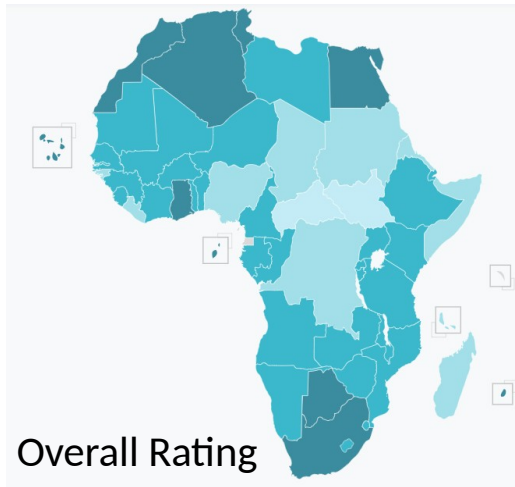


**27<sup>TH</sup> ANNUAL FIDIC AFRICA  
INFRASTRUCTURE CONFERENCE**

# AFRICA SDG INDEX 2020 REPORT



## THE GLOBAL GOALS For Sustainable Development



Information from the Sustainable Development Report  
<https://www.sustainabledevelopment.report/reports/2020-africa-sdg-index-and-dashboards-report/>



# CURRENT SKILLS STATUS

- UNESCO Report for Sustainable Solutions 2020
  - Insufficient engineers in Africa
  - Capability of engineers
- Engineers Board of Kenya: Dec 2019 Report
  - Lack of registered engineers
  - Lack of employment for graduate engineers





# SOLUTIONS?

- Tito Mboweni's Budget Speech 2021
- Private/Public Skills Transfer Partnerships
- SETA Sector Skills Plans  
e.g. LGSETA SSP 2020/21-2024/25



OCCUPATION	INTERVENTION PLANNED BY THE SETA	NQF LEVEL
Water Reticulation Practitioner	RPL	4
	Learnerships	4
Chief Financial Officer	Bursary	7
	Candidacy	N/A
	Internship	8
Town Planner	Bursary	6 and 7
	Candidacy	N/A
Internal Audit Manager	Internship/WIL	6
	Bursaries	6
Building Inspector	Apprenticeship	5
	Learnership	6
	RPL	5
Civil Engineering Technician	Apprenticeship	5
	Bursary	4 and 6
	Candidacy	N/A
Project Manager (Technical)	Bursary	6 and 7
	Skills Programme	3, 4 and 5
	Learnerships	4 and 5
	Candidacy	7
Electrical Engineering Technician	Apprenticeship	5
	Bursary	4 and 6
	Candidacy	N/A
Property Valuer	Bursary	5, 6, 7 and 8
	Learnerships	5
Disaster Management Officer	Bursary	8
	Skills Programmes	7 & 8



# Conclusion



*It is important to note that engineering capacity-building is a continuous process, starting in school, proceeding through higher learning with formal programmes, and then continuing through the entire professional career of an engineer, technologist or technician through an optic of ongoing professional development so as to meet the rapid growth in knowledge and attendant skills.*

*- Prof. Gong Ke: President of the World Federation of Engineering Organisations*