Challenges and lessons learnt in a country-wide Ghana project providing 240 schools with e-learning and Smart ICT classrooms

06/12/2018 – Dirk Verbeke – Sales Director
Africa - projects
Vindingrijke leerkracht uit Ghana geeft informatica zonder computers
Full turnkey project solution (Africa/customised)

Customised solution for Africa

- Pedagogical Methods, Capacity Building and Support
- Smart Classroom Management System Televic
- Content Management System Televic
- Infrastructure, power management support and implementation
- Digitization of Curriculum and Content
- Training
- Local Content

Digital Classroom Management

Televic Education
The Ghana/Televic Project

- 242 public higher secondary schools
- Government project MoE (tender)
- Smart classrooms + e-learning
- Including SW/HW/services
- Digitising content/curriculum
- All services including:
  - Project architecture - consultancy
  - Project management
  - Transport, delivery
  - Implementation, commissioning
  - Training (teaching/technical staff)
  - After sales support
- Countrywide all districts
- Roll-out of 2 years
Senior High School Classroom (Burma Camp Accra)
Challenges: how to make an education project in Africa successful

1. Administration - Finance
   - tax exemption issues – taxes, duties, levies, ...
   - Finance: acceptance, invoicing, payment, transport buffer, round-trip delay, ...

2. IT - Office, Back-Office, licence management, academic licences, ...

3. Environmental - dust, salt, temperature, humidity, corrosion, heavy rains...

4. Power - stability, surges, outages, peaks, over-voltage, pre-paid...) - consequent battery issues

5. Maintenance - spares, licences, physical maintenance, support, local product support, spare materials, ...

6. Connectivity - online/offline Internet, landline/mobile, local bandwidth, national bandwidth, delay ...

7. Logistics - transport, customs clearance, staging, sourcing, roads, address/location info, off-loading, theft, assistance, ...

8. Communication - contact persons, “African” English, vocabulary, ...

9. Installation - technical know-how, knowledge-gap, ...

10. Training – technical assistance - technical know-how, knowledge-gap, ...

11. Local partner

localization/Africa customized