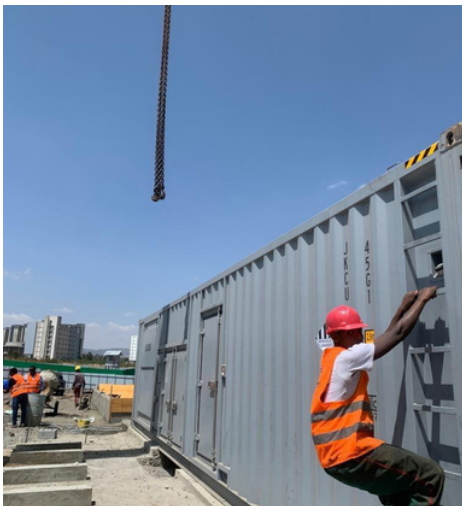# Case Study

Connecting Africa with Wingu

Background

Wingu Africa is a service through East Africa's first and only Tier 3 carrier-neutral data center ecosystem, providing unparalleled access to cable systems, international carriers and cloud providers for international and regional connectivity. Wingu connecting Africa and the world by offering a scalability, continuity, and the highest levels of security for your applications, data, and system at any of our purpose-built, Tier 3 data center facilities.

Objective

Implementation of a rapid deployment Data Centres in Ethiopia and Tanzania as well as a Cable Landing Stations with Somaliland.

Solution Specifications:

Tech Details For Data Centre:

- A2 Data centre module to support 29 42U racks
- A1 Power Module with 300kVA UPS and Lithium-Ion Batteries in 2N redundant configuration
- 2 hour fire rated modules
- 5 x InRowcoolers 43kW Chilled Water In-Row Coolers in N+1 redundancy
- Fully wired internally, tested, commiss

Tech Details For CLS:

- A1 CLS Module with 2N redundant DC power systems and N+1 cooling systems
- Capacity to support 2 cable systems
- 25kW Power load expandable for future Cable requirements

Outcome

DXN have build and supplied two prefabricated modular Edge Data Centres for sites in Ethiopia and Tanzania.

The Wingu project also consisted of DXN supplying a subsea Cable Landing Station for a site in Somaliland.