



aggreko

Testing conditions for a successful data centre

CUSTOMER

icolo.io

LOCATION

Mombasa, Kenya

SECTOR

Data Centres

KEY FACTS

675 kW

Capacity of data centre

13,000 sq ft

Size of building

1

1266 kW capacity loadbank

THE CHALLENGE

Making sure the data centre has maximum uptime

Tier 3 data centres need to be able to guarantee almost 100 percent uptime, which means failure is just not an option.

icolo.io designs, builds and operates state of the art carrier neutral data centres and just completed a Tier 3 unit in Mombasa, the coastal

town, and second largest city in Kenya.

They needed to test all the equipment, including power generators, UPS systems and precision cooling before they could get it online, to ensure everything met the strict industry standards.



We engaged Aggreko to help us test and certify our new data centre in Mombasa. We required an engineer and a large loadbank to provide power and heat to test all HVAC, UPS and generator systems and controls. Their engineer was always willing to work with us throughout the testing, and although we had a minor technical issue initially, it was solved efficiently. We successfully tested and certified our site on time and I look forward to testing our next facility!

Alex Rhys-Hurn
Chief Operating Officer
icolo.io

THE SOLUTION

All the equipment needed for staged testing

We supplied a 1266 kW loadbank to test the 675 kW capacity data centre. We made sure it was commissioned quickly to test the capabilities of the on-site power and cooling system so the operator could

confirm the accreditation. We undertook the testing in stages: a 500 kW UPS system, cooling system and two 1000 kVA generators. We worked in close partnership with the data centre to get it all done in time.



OUR DIFFERENCE

Failure is not a word in our vocabulary

THE IMPACT

Test proves capacity and helped attract global interest

The data centre will provide 180 cabinets for customer use with up to 675 kW of available customer power. The centre is purpose-built and spans more than 13,000 sq ft of floor space. It has redundant power and its own back-up generators, precision cooling and pre-cabled inter-connect infrastructure.

Our loadbank service helped icolo.io test and commission the data centre and meet the Uptime Institute's requirement for a tier 3 facility. With our help, they were able to demonstrate the capability of the data centre and attract global customers with their unique offering.