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Title: Uninterruptible power supply costs for hospitals in Congo

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Why are uninterruptible power supplies important in the healthcare industry?

Uninterruptible power supplies can be critical to the sustainability of life in the healthcare industry. Medical facilities rely on IT and medical equipment for patient care, and equipment relies on the availability of electrical power systems. This dependence is driven by two power vulnerabilities.

Do hospitals have reliable electricity access in Sub-Saharan Africa?

In sub-Saharan Africa, only half of hospitals have reliable electricity access. The energy access challenge is higher for health-care facilities in remote and rural areas. Electricity is needed to power the most basic services in health-care facilities, from lighting and communications to clean water supply.

What laws affect hospital power supply?

Legislation exists that directly affects hospital power supply, and what healthcare facilities must comply with. For example, IEC 60364-7-710 applies to electrical installations in medical locations, to ensure the safety of patients and medical staff.

Do health-care facilities in South Asia and sub-Saharan Africa have electricity access?

In low- and lower-middle-income countries of South Asia and sub-Saharan Africa, approximately 12% and 15% of health-care facilities, respectively, have no access to electricity. In sub-Saharan Africa, only half of hospitals have reliable electricity access. The energy access challenge is higher for health-care facilities in remote and rural areas.

Samuel B. Miles Genevieve Flaspohler Dan Kammen Jackson Mughuma ³ RESULTS ⁴ DISCUSSION ⁵ CONCLUSION In this section we present features of power quality observed across (a) individual health facilities and (b) power supply categories. These data demonstrate how different electricity supplies manifest different PQ issues requiring different intervention/mitigation strategies and offer a variety of insights; for example: Informal, town-level hydro... See more on www.h2arq.es Hospital Power Distribution Solutions in



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