

POWERING PROGRESS: MERALCO'S INFRASTRUCTURE SUPPORT AND SOLUTIONS FOR ADVANCING HYPERSCALE DATA CENTER

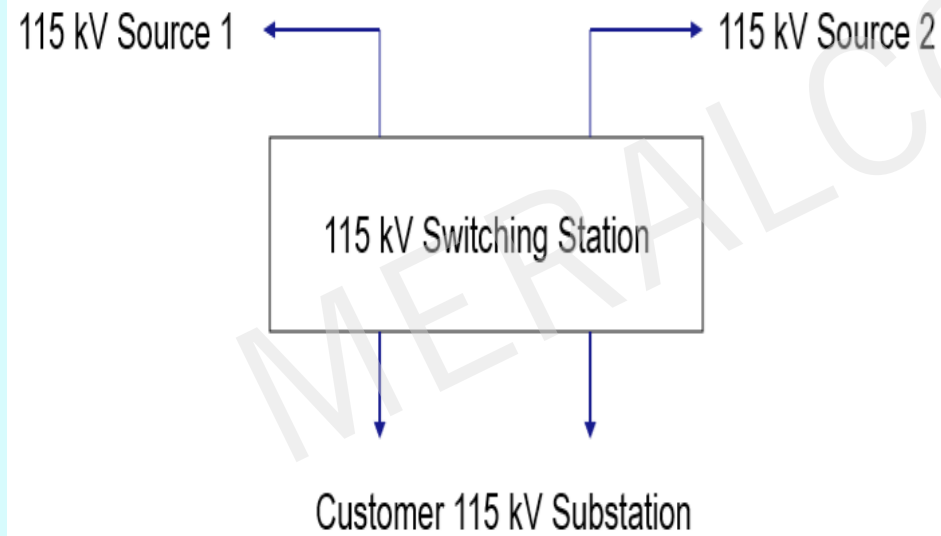
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Executive Vice President and Chief Operating Officer

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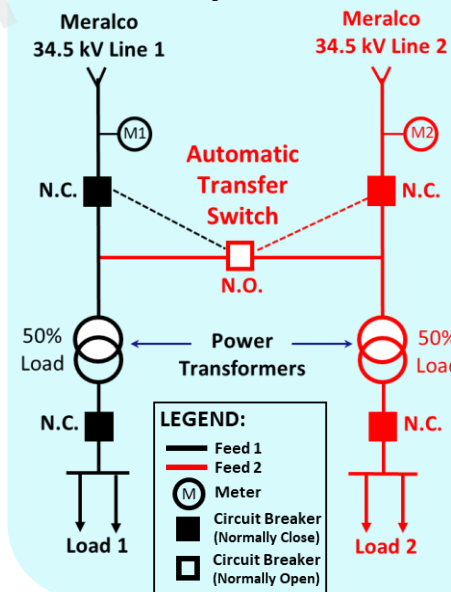
Strategies to Support the Requirements of Hyperscale Data Centers

- Data Centers with applied load of 10 MVA and above to be served at subtransmission system (115 kV or 69 kV)
- Provision for Dual Source and Dual Standard Connection Facilities (SCF) through the development of Switching Station, 115 kV or 69 kV

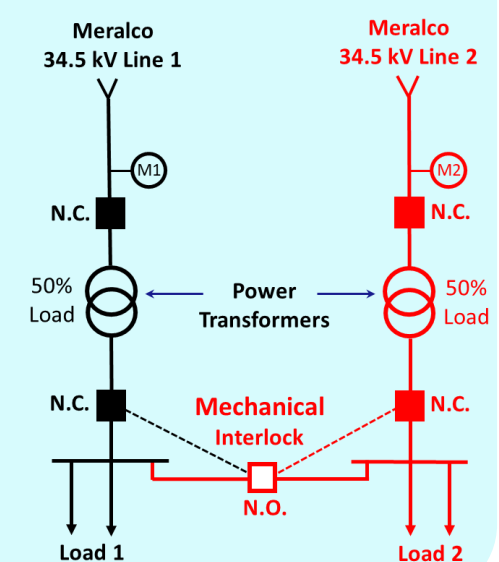


- Data Centers with applied load of below 10 MVA to be served at distribution system (34.5 kV or 13.8 kV)
- Provision for Double Feed to meet data centers' 2N+1 (2 utility source + 1 back-up source)

Primary Selective



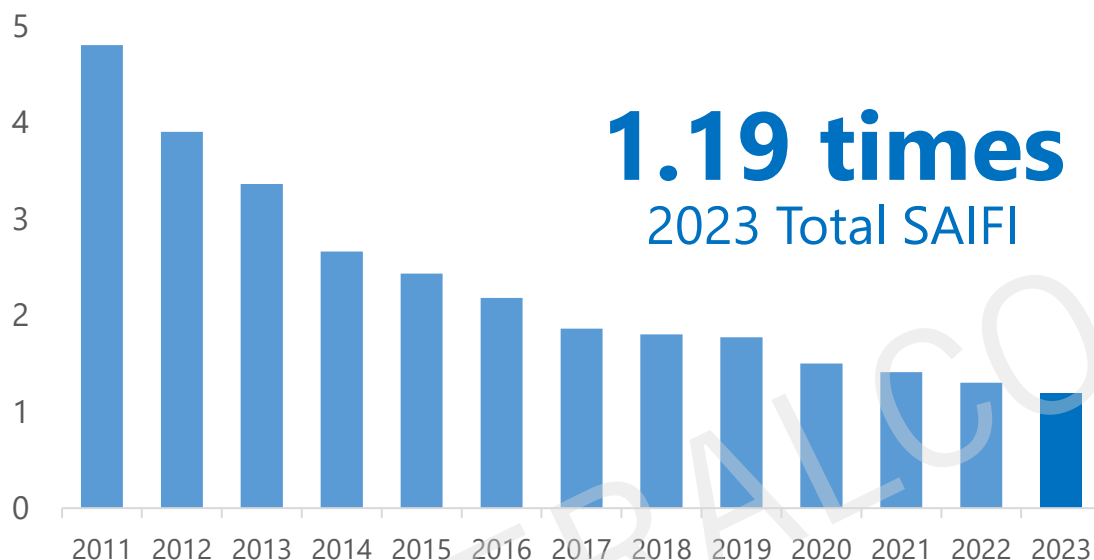
Secondary Selective



SYSTEM RELIABILITY

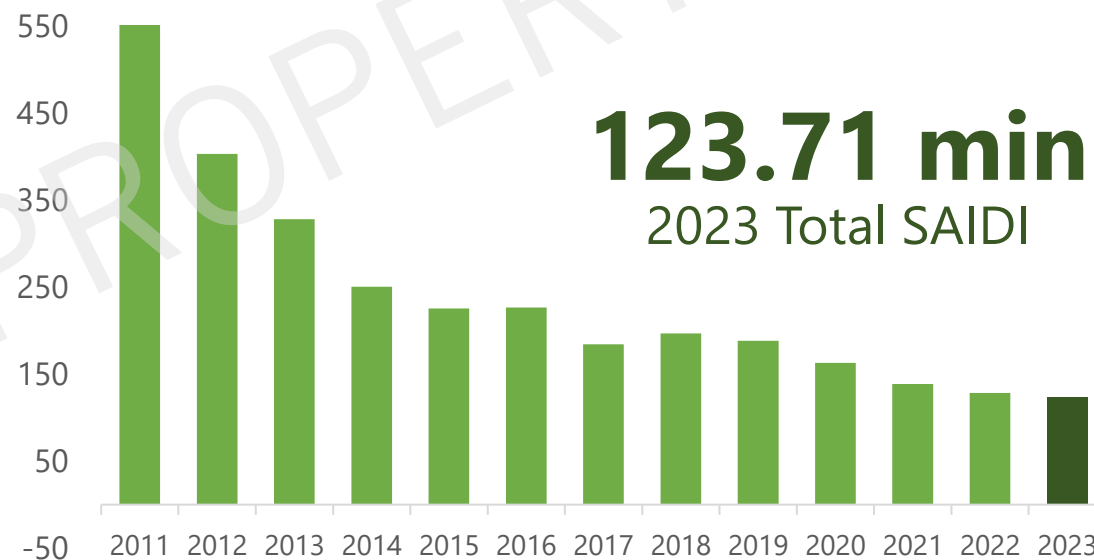
SYSTEM AVERAGE INTERRUPTION FREQUENCY INDEX (SAIFI)

The **average number (times)** of sustained interruptions experienced per end-user in the measurement area over the measurement period



SYSTEM AVERAGE INTERRUPTION DURATION INDEX (SAIDI)

The **average duration (minutes)** of sustained interruptions experienced per end-user over the measurement period



In 2023, Networks achieved **All-Time Best Performances for Total SAIFI and Total SAIDI** since Meralco entered the Performance-Based Regulation (PBR) in 2012.

The Meralco Smart Grid Program

Transforming into the Grid of the Future: Enabling the Energy Transition

