



550

950

GREEN STORY

POWER QUALITY

PACIFIC PLACE JAKARTA
JABAR



Client profile and key challenges

Pacific Place Jakarta, a premium mall in SCBD and home to the prestigious Ritz-Carlton, is a hub of luxury and sustainability. Its modern infrastructure supports diverse facilities, but the presence of non-linear electrical loads like UPS units, inverters, and servers introduced significant harmonic pollution, affecting power quality.

These harmonics led to critical issues such as neutral leakage currents, and overheating transformers. Over time, high levels of hydrogen (H₂) and methane gases were detected, necessitating a transformer replacement to restore reliability and address the root causes of these power quality challenges.



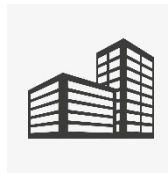
Active harmonic filter
PQactiF in cabinet
configuration

Solution

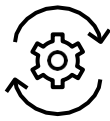
To address the power quality challenges at Pacific Place Jakarta, Hitachi Energy's PQactiF solution was implemented. This advanced active filter effectively mitigates harmonics, balances loads, and improves overall power quality. By reducing harmonic distortion, PQactiF not only prevents overheating and gas formation in transformers but also enhances the reliability of critical systems like UPS units and inverters. The result is a stable, energy-efficient electrical system that supports the mall's premium operations and sustainability goals while minimizing maintenance costs and downtime.

Technical Data

Parameter	Value
Year of Installation	2024
Type of product	PQActiF active filter
Number of units	1 cabinet 4 modules of 40A each
Output capacity	160 A
Voltage	400 VAC
Frequency	50 Hz
Function	Harmonic priority



PQActiF



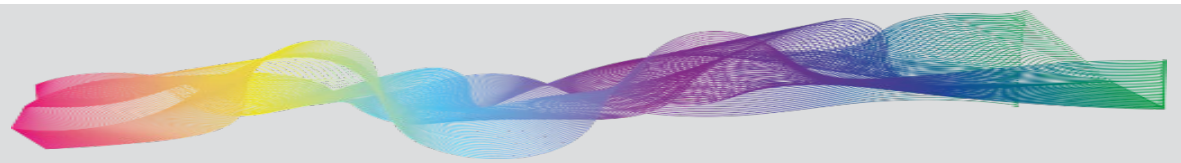
Efficient operations



Output quality



Eco-efficiency



THDI

