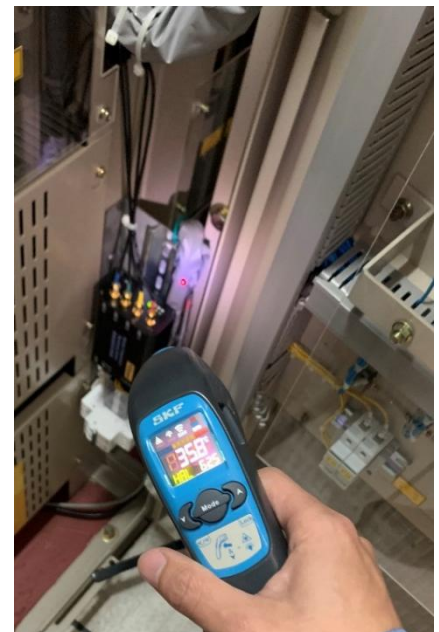


Electrical Room AC Abnormal

Event : **Central control room wireless temperature monitoring system alert:** Two locations have high temperatures, with a significant temperature difference between phases!

1. In this case, wireless temperature monitors were placed throughout the electrical room, integrated with SCADA for remote monitoring from the central control room.
2. Central control room wireless temperature monitoring system alert: Two locations have high temperatures, with **a significant temperature difference between phases!**
3. Personnel were dispatched to the electrical rooms housing BIC-1B and BIC-2A, where it was discovered that the issue stemmed from a **malfunctioning air conditioning system.**
4. IR measurements were done to double-check : indoor temperatures soared to **35.8 degrees Celsius**, far above the typical range of 26 degrees Celsius.
5. The issue was subsequently addressed by the air conditioning contractor, and the anomaly was resolved.

B/C-1B		B/C-2A	
D1	43.8 °C	D1	46.5 °C
D2	46.2 °C	D2	55.4 °C
D3	58.5 °C	D3	68.1 °C
Tr	44.0 °C	Tr	47.9 °C
Ts	44.7 °C	Ts	43.1 °C
Tl	46.9 °C	Tl	47.3 °C



Conclusion:

To ensure the safe and effective operation of electrical equipment in the electrical room, especially in areas with high heat generation like transformers, air handling units are commonly employed for cooling and maintaining suitable environmental temperatures. Wireless temperature monitoring, with local displays, ensures electrical equipment safety in rooms with high heat generation, preventing issues like tripping and shocks.

Wireless Temperature Monitoring System

Battery-free wireless temperature sensors provide long-term, safe monitoring, eliminating battery-related risks in high-temperature environments, and aiding power temperature monitoring and anomaly detection.

