## **Deliver with Carbon Network Dashboard**

We assisted a manufacturing customer with a net zero target of 2030, they have 10K plus WAN, LAN and WLAN devices. By using CND, we quantified 20% of energy consumption and carbon reduction.

## The Challenge

- How to measure the carbon footprint (CO2e) of the managed devices.
- What is the energy consumptions of IT network.
- How to reduce the energy and carbon footprint to contribute towards my organisational goal.

### **Our Solution**

**Outcomes** 

- Near real-time measurement of energy and carbon footprint for all manged devices on CND.
- Device, POE port, Product, country, and enterprise level energy consumptions insights.
- Energy optimisation recommendation for WLAN based on occupancy/client connection data and port optimisations recommendations.
- Total Energy consumption measured 846.55 MWh/yr and carbon emission 355.54 tCO2e/yr for their enterprise network.
- Only 10% of the POE ports are delivering power to other devices and 70% of the ports are identified as not utilised.
- Energy saving potential estimated upto 175.79 MWh/yr and gross carbon saving of 73.68 tCO2e/yr.

# **CND Capabilities**

- 1. Provide near real-time insights on energy and carbon data.
- 2. Application traffic consumptions insights with carbon data.
- 3. Detect anomalies and visualize power consumption through dynamic heatmaps.
- 4. Forecast energy consumptions, identify carbon-intensive devices, enabling optimization
- 5. Recommendations for sustainable device swaps supporting alternatives over EOS devices
- Scope 1& 2 and Scope3 CO2e emissions data for comprehensive environmental impact assessment

