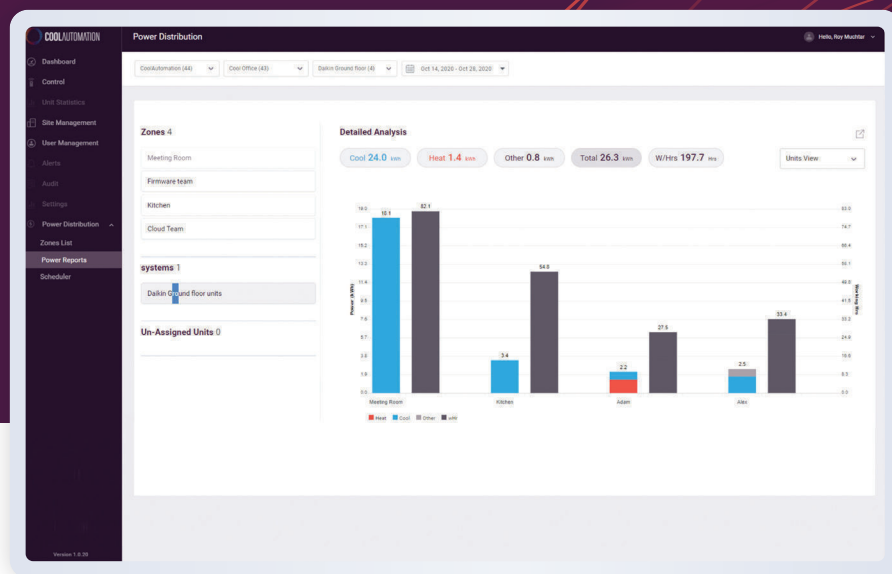![CoolAutomation logo] COOLAUTOMATION

VRF Power Distribution

The CoolAutomation VRF Power Distribution solution allows you to bill your tenants accurately – by the actual operational demand of each indoor unit
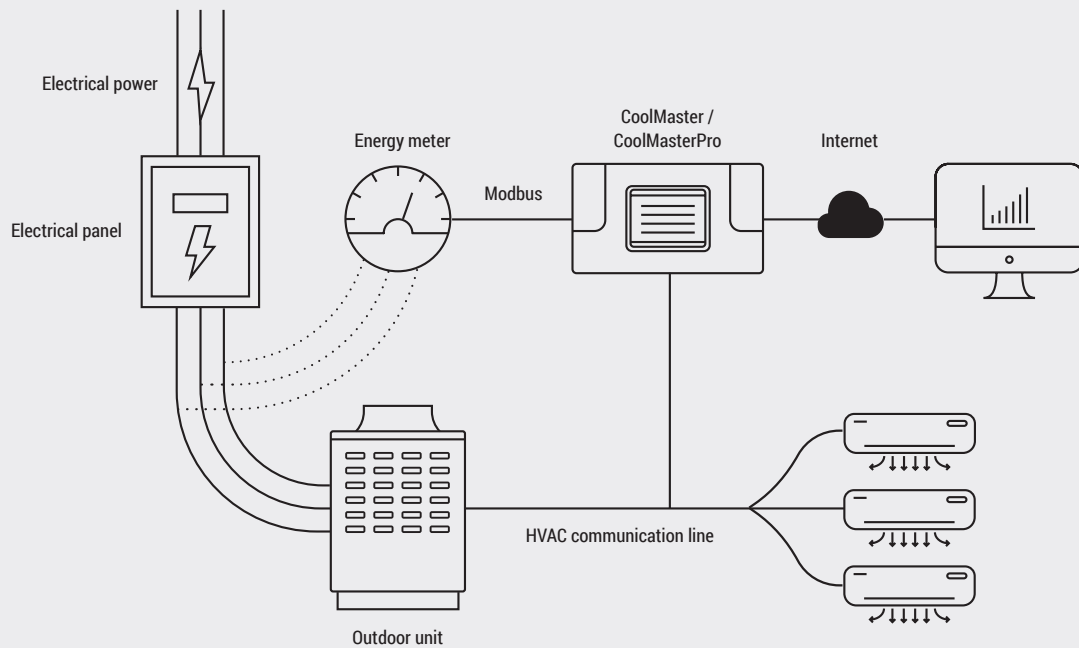

The Challenge with VRF Metering

Many multi-space building managers want to measure the energy consumption of every space, for the purpose of improving operational performance, tenant billing and more. With VRF systems, where most energy is consumed by the condensers, there is a challenge of how to distribute the condenser's energy correctly between the different air handlers. The VRF Power Distribution solution allows them to remotely and easily access the energy consumption of each unit from anywhere.

The Solution

WattMeters measure the actual condenser power consumption and push this data continuously over Modbus RTU to CoolMaster or CoolMasterPro, which then transfers the periodic readings to CoolAutomation's Cloud for analysis. The cloud-based application then breaks the overall consumption to each of the individual indoor units, based on CoolAutomation's unique algorithm that accurately calculates the actual operational ratio and kWh of each indoor unit.

The Solution's Topology

The CoolAutomation VRF Power Distribution solution allows you to bill your tenants accurately - by the actual operational demand of each indoor unit. The solution requires a field supplied WattMeter with a Modbus RTU interface, and can support multiple VRF systems and mixed VRF brand topologies.

Key Benefits

Get real power consumption of each of the indoor units in the VRF system	Automatic, customizable periodic reports
Breakdown of consumption between HEAT and COOL modes	Graphic tool for review and analysis of historic power consumption
Support for all leading VRF brands	Easy export of data to CSV for downloading or integrating with billing systems
Remotely access the data from your web browser	Easy installation and commissioning of the solution