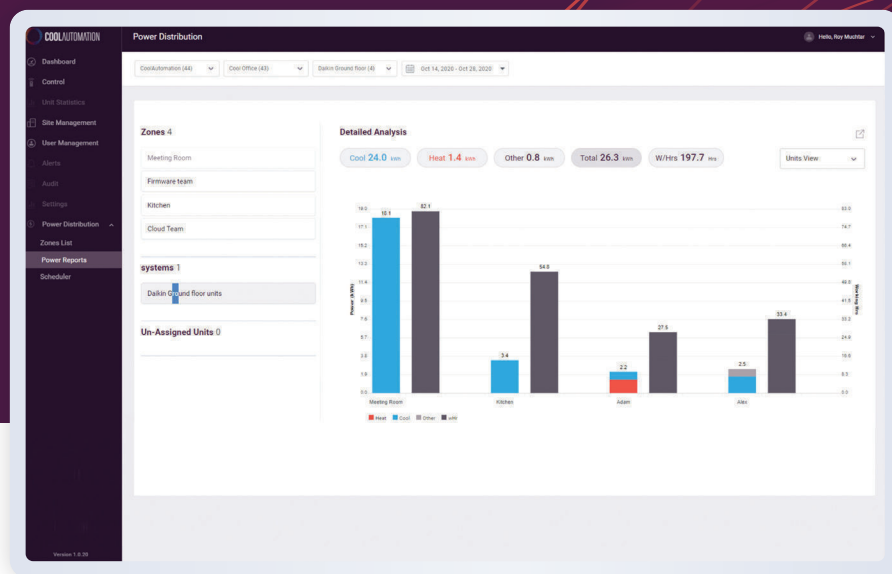


VRF Power Distribution

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

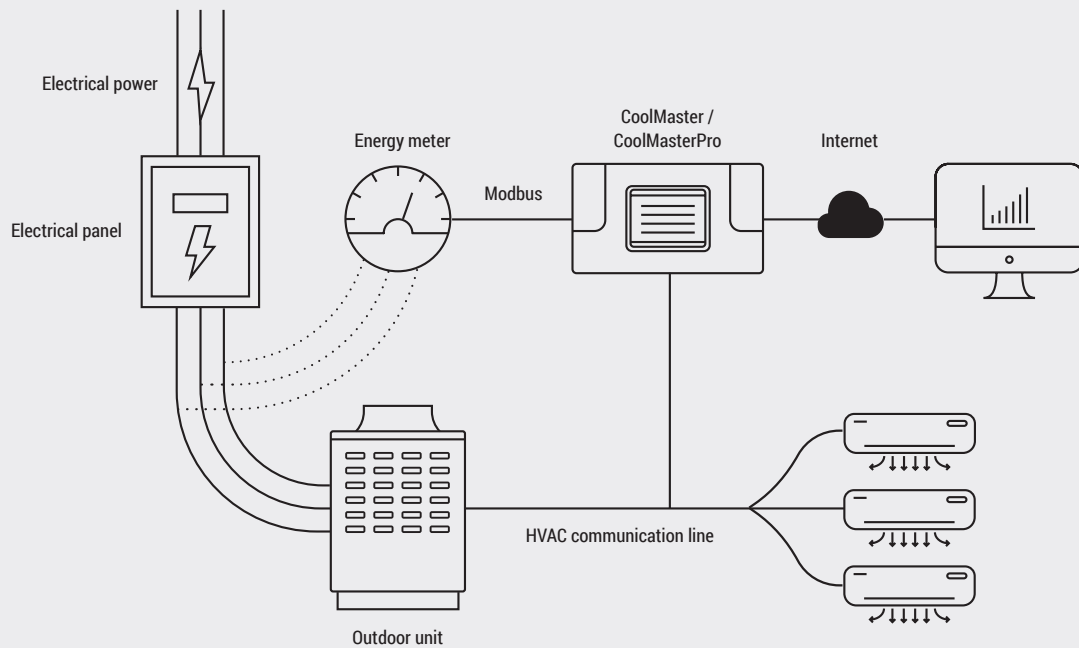
Many multi-space building managers want to measure the energy consumption of every space, for the purpose of improving operational performance, tenant billing and more. With VRF systems, where most energy is consumed by the condensers, there is a challenge of how to distribute the condenser's energy 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

About Us

CoolAutomation is a global leader in smart solutions for HVAC systems, specializing in VRF, Split systems, and heat pumps. With over 10,000 customers in more than 100 countries, our innovative products enable seamless HVAC integration and remote management, service, diagnostics, and universal system control. Founded in 2009, CoolAutomation has become the go-to choice for HVAC service companies, home & building automation integrators, building management experts, and facility managers looking to save energy, enhance service, and reduce costs for both residential and commercial sites.