

# COLLEGE & UNIVERSITY

A SMART MOVE FOR COLLEGES.

Mitsubishi Electric Cooling & Heating's VRF zoning systems give colleges and universities a highly efficient and economical way to manage their comfort and air quality needs.

## **A FLEXIBLE, CUSTOM SOLUTION FOR YOUR CAMPUS.**

No two campuses are alike. Plus, buildings within your campus can vary greatly in size and age. Relax. This is no problem for Mitsubishi Electric. We can customize an economical and efficient solution to fit your campus perfectly. From living to administrative to recreational, from small to large, we can fit the capacity and zoning configuration for each space. Small systems can provide spot solutions in challenging areas like data centers, kitchens and laboratories. Large systems can handle high-rise buildings like dorms or libraries. Our INVERTER-driven VRF systems can be designed and sized on a zone-by-zone basis. They can even adjust for a building's solar gain and the changing seasons.

## **GIVE BUILDING OCCUPANTS MORE CONTROL OVER THEIR COMFORT.**

Staff and students' needs vary, as do the spaces they occupy. Our Variable Refrigerant Flow (VRF) zoning systems can be easily customized to provide tailored comfort solutions to all areas of your buildings. Systems can be operated by staff or students within their own space, with independent control of zones, as well. Some systems are so efficient, they can provide cooling and heating to multiple zones at the same time. Systems deliver highly accurate space cooling and heating using optimum set points and operation

scheduling. Our zone control is highly accurate, with indoor units and controllers that sense temperature, humidity, lighting and occupancy.

## **MAKING THE AIR BETTER WHILE LOWERING YOUR ENERGY BILL.**

Healthy air quality is essential in a college facility. Instead of moving air, germs and contaminants through ducts, our ductless models filter air within each space, improving air quality and minimizing air movement between rooms. Our Lossnay® energy recovery ventilator (ERV) exhausts indoor air to rid the building of toxins, odors, viruses, bacteria and other potentially harmful contaminants while replacing it with conditioned outside air. Also, by preheating or



## COLLEGE & UNIVERSITY

precooling incoming air with the available energy in the exhaust air, Lossnay saves you money by decreasing the load on your AC units. So you can breathe easier, even at bill-paying time.

With improved sound attenuation, Lossnay units are quiet enough to place in classrooms, libraries, lecture halls and more.

### ADD CHILLER CAPACITY, NOT PIPING.

Let's face it. It's too expensive and complicated to run additional piping as your building expands. Consequently, chillers that are already maxed out can't be expected to do more. That's why adding VRF zoning systems to complement your existing chiller systems make so much sense. They can add capacity, service new buildings and improve efficiency of your chiller system. What's more, you only need to add refrigerant piping, not bulky, water piping.

### LESS DISRUPTIONS, PLEASE.

With a variety of indoor units that work independently in each space, you can service one area without taking the entire system offline. So you won't have to wait until school is out to get it done. And with our uniquely quiet operation indoors and out, there won't be any noise disruptions either. Can you hear that? Exactly.

### GOING GREEN SAVES GREEN.

Our highly efficient systems help you reach LEED certification and an environmentally-friendly building. Which helps your building qualify for tax credit incentives and utility rebates. Which is as budget-friendly as it is earth-friendly.



**“THIS NEW SYSTEM HAS ALREADY SAVED US A TON OF MONEY AND ENABLES ME TO HAVE MANY MORE SATISFIED CUSTOMERS. THE MITSUBISHI ELECTRIC ENGINEERING HAS PERFORMED SO WELL THAT I CAN SAY WITH CERTAINTY THAT VRF IS MY SYSTEM OF CHOICE FOR ALL NEW OUTLYING BUILDINGS ON CAMPUS NOT TIED INTO THE CENTRAL PLANT.”**

Doug Hammerle, PE, Miami University's Director of Energy Systems

Want to know more about how our comprehensive product lineup can help you design the best solution for your college & university project?

Just visit [www.MitsubishiPro.com](http://www.MitsubishiPro.com) or call 1-800-433-4822.



COOLING & HEATING