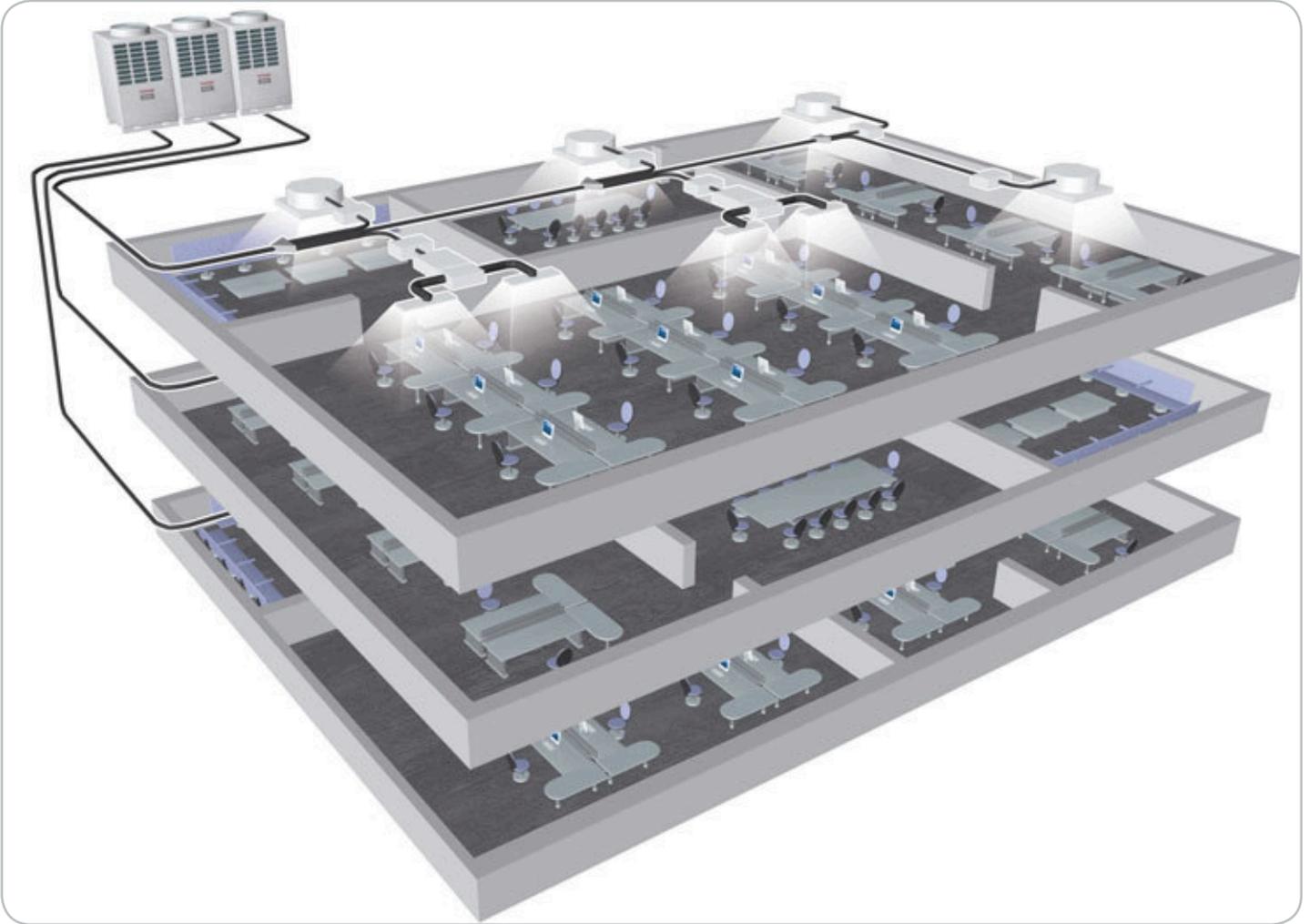


VRF. The freedom of choice

Variable refrigerant flow offer the advantages of direct expansion linked to inverter control and the most sophisticated electronics. This technology has many advantages, from the system design to the installation and operation phase. The

wide range of indoor units makes VRF the most flexible choice to satisfy any requirement. The 3 VRF ranges can meet any kind of need: SMMS (Super Modular Multi System) provides cooling or heating, SHRM (Super Heat Recovery Multi) provides

simultaneous heating and cooling and MiNi-SMMS, the new compact system provides cooling or heating to smaller commercial or private premises.



Typical applications and advantages

VRF systems offer safety, reliability, comfort, flexibility, ease of installation, durability and energy savings. More and more commercial centres, shopping centres, office towers, hospitals and hotels, all typically requiring the benefit of energy savings, have selected this type of system.

Now, these systems also play an important role in prestigious residential installations, where more than one room needs to be air-conditioned. In addition, direct-expansion indoor units offer many benefits: easy and low-cost installation and precise performance. The range also includes a complete series of heat exchanger

ventilation units to supply fresh air for the rooms in a building.



Retail.

With the addition of the MiNi SMMS to the VRF portfolio the flexibility of the Toshiba VRF range ensures the ideal solution for a multitude of commercial buildings. For larger buildings the SHRM and SMMS are ideal, and for smaller premises the MiNi-SMMS. There is a system

solution for all commercial buildings, whether large or small, including restaurants, high-street shops, luxury apartments, supermarkets right through to hotels and hospitals.



Offices.

The air-conditioned area can be divided into small or larger individual zones and here too the large choice of indoor units, including cassettes, ducted, floor-mounted and many other unit types always guarantees the perfect solution.

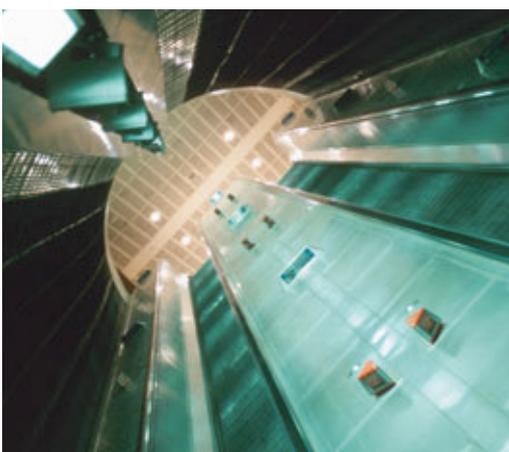
The system is very efficient and unobtrusive, making VRF an excellent investment!



Hotels.

In this type of application up to 48 indoor units can be installed in a single refrigerant circuit, and it is possible to reduce the capacity of one or more indoor units down to the minimum operating limit. This results in considerable energy savings and ensures a faster payback of the investment and optimised comfort.

This system also offers the ideal solution for dual-aspect buildings that require simultaneous heating and cooling, leading to further energy savings and making the systems a reliable choice for many prestigious applications.



Shopping centres.

VRF systems offer maximum flexibility. They can be used for even the smallest commercial rooms. The main features include providing the required cooling or heating capacity and comfort levels, ease

of installation, maximum energy efficiency and reliability.