



**PIONEER
INTERNATIONAL**
HYDROCARBON TECHNOLOGY

COST-EFFECTIVE SOLUTION FOR REPLACING R22 AIR CONDITIONERS

R22 air conditioners use relatively thin walled copper pipework.

The shift to R410a and R32 requires higher operating pressures and therefore thicker gauge copper pipework is needed.

Therefore, when replacing an R22 air conditioner with an R410a or R32 air conditioner, it is likely that the copper pipework needs to be replaced.

This can add substantial cost, particularly if the pipe-work is in walls, floors or ceilings, or the building has asbestos or heritage listing. Construction works and remediation often costs more than the actual equipment changeover.

Interruption to business can add further cost in lost revenue.

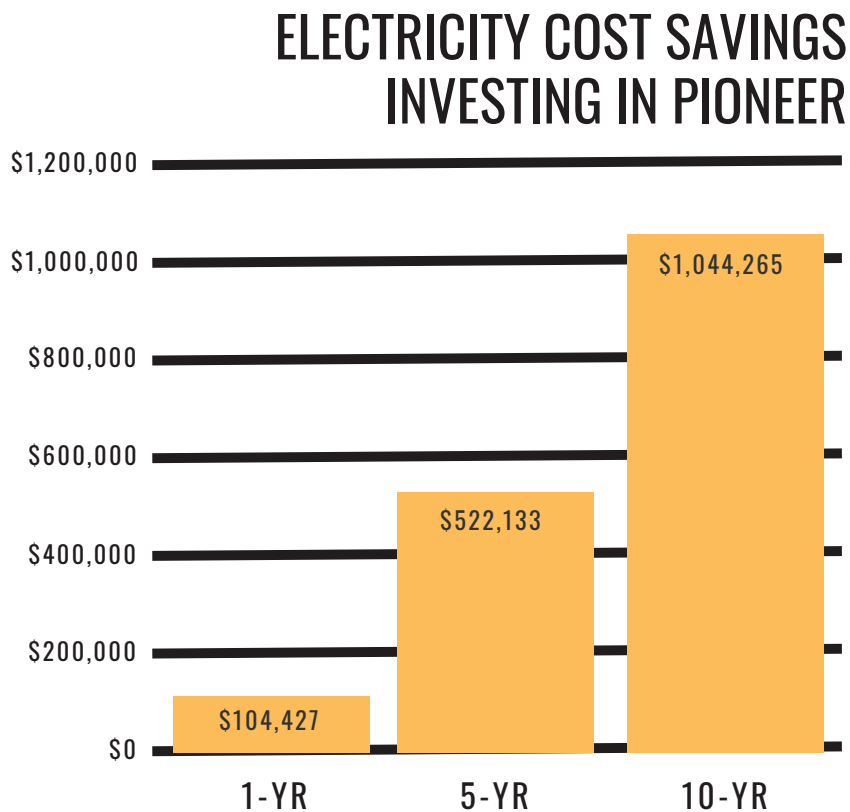
Due to the performance and low operating pressure of the refrigerant in Pioneer units, the same pipework as that used by R22 units can be reused with Pioneer.

Simply replacing the outdoor and indoor units and re-using this existing infrastructure can save significant time and money.

Meriton is Australia's largest and most successful residential developer, having built, sold and leased more than 75,000 residential apartments.

Meriton saved nearly \$1,000,000 in construction costs retrofitting 157 old R22 air conditioners to Pioneer at their Riva Parramatta boutique apartment complex.

Further, based on recorded measurements, electricity cost savings of \$104,427 p.a. and CO₂ reductions of 393,973 kg p.a. are expected.



“Using a low GWP refrigerant demonstrates Meriton’s commitment to improving its environmental performance in the residential apartment community.

We want to adopt the best for our clients and the community.”

*- David Cremona,
Meriton Construction Director.³³*

