

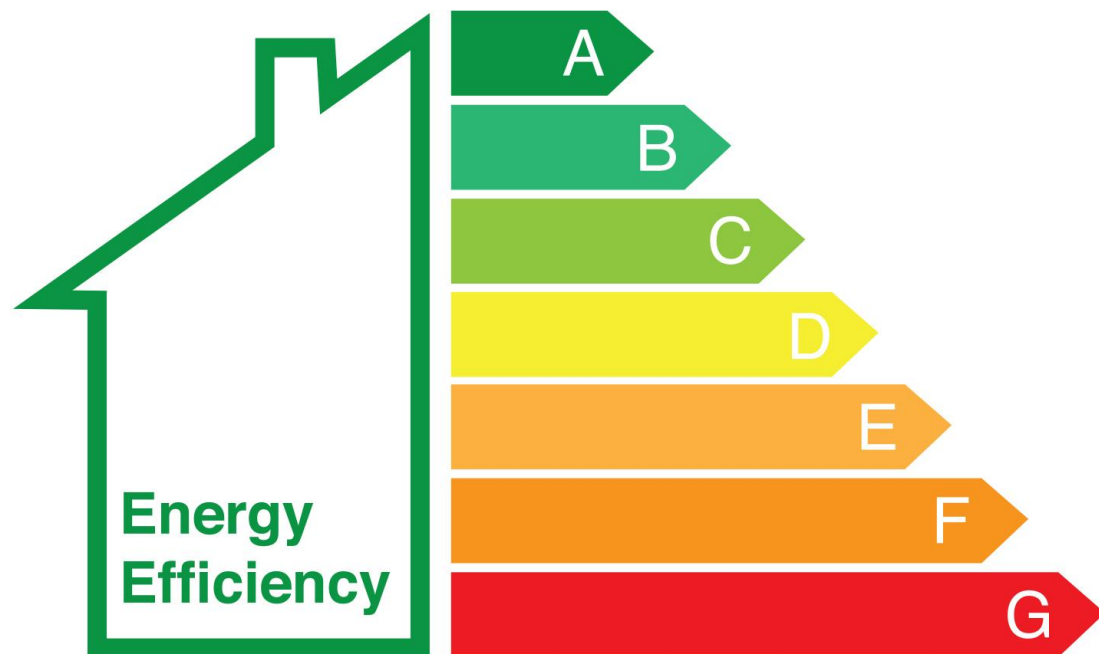
# Panasonic

heating & cooling solutions

**Poor housing  
conditions cost  
the NHS  
£1.4 billion  
each year.**

**6.7 million UK  
households are  
now living in Fuel  
Poverty.**

**80% of the  
buildings that will  
be standing in  
2050 have  
already been built.**



## Government EPC targets

- **44% of UK social housing is below a C grade.**
- **All social housing properties to be at least an EPC grade C by 2035 (2030 for fuel poor households).**
- **In Scotland this deadline is grade B by 2032, EESSH2 milestone.**



# **Net Zero\***

**by 2050**

- **Decarbonising of heating and cooling is key to achieving net zero targets.**
- **Funding through Social Housing Net Zero Heat fund.**



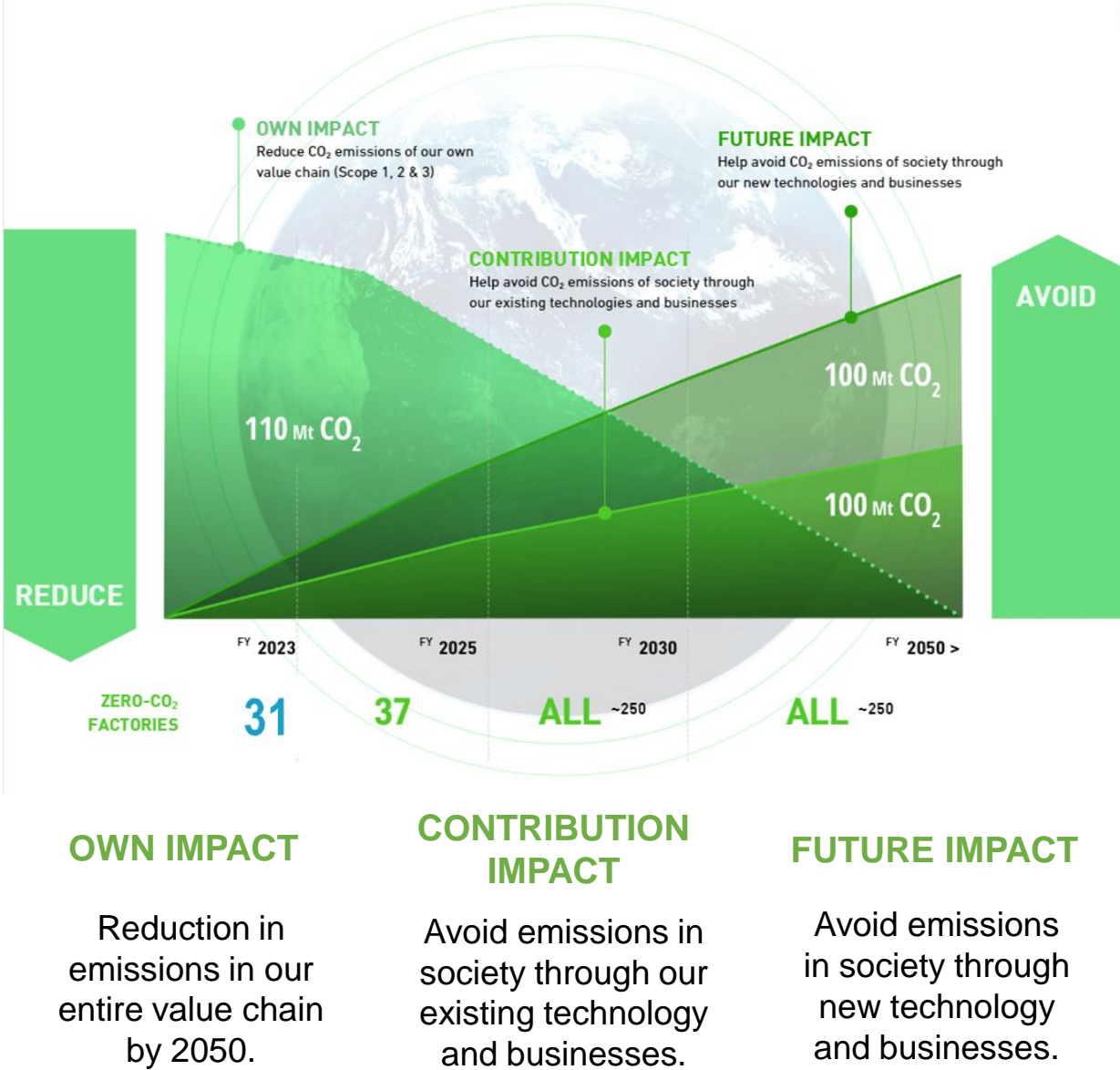
The Panasonic Group is committed to:

REDUCE

300 Mt of CO<sub>2</sub> emissions by 2050

Equivalent  
to

1% of total global emissions



# Panasonic®

## Skilled organisation delivering solutions around Europe

- 25 Countries Sales offices
- 43 Training Centres

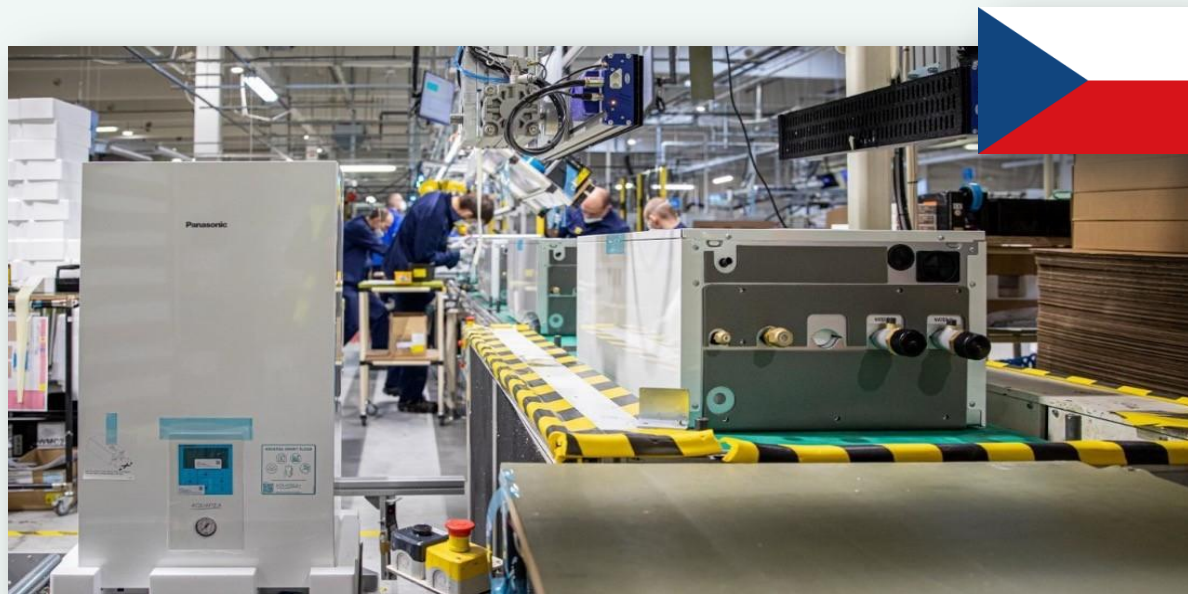
## Growing organisation:

- Engineering support
- Customer support
- Service
- Maintenance
- 2 UK warehouses



Investment in Czech factory to  
boost heat pump production.

**500 000** units/year from 2025



2 New factories in France and Italy  
for Chillers and Close Control.

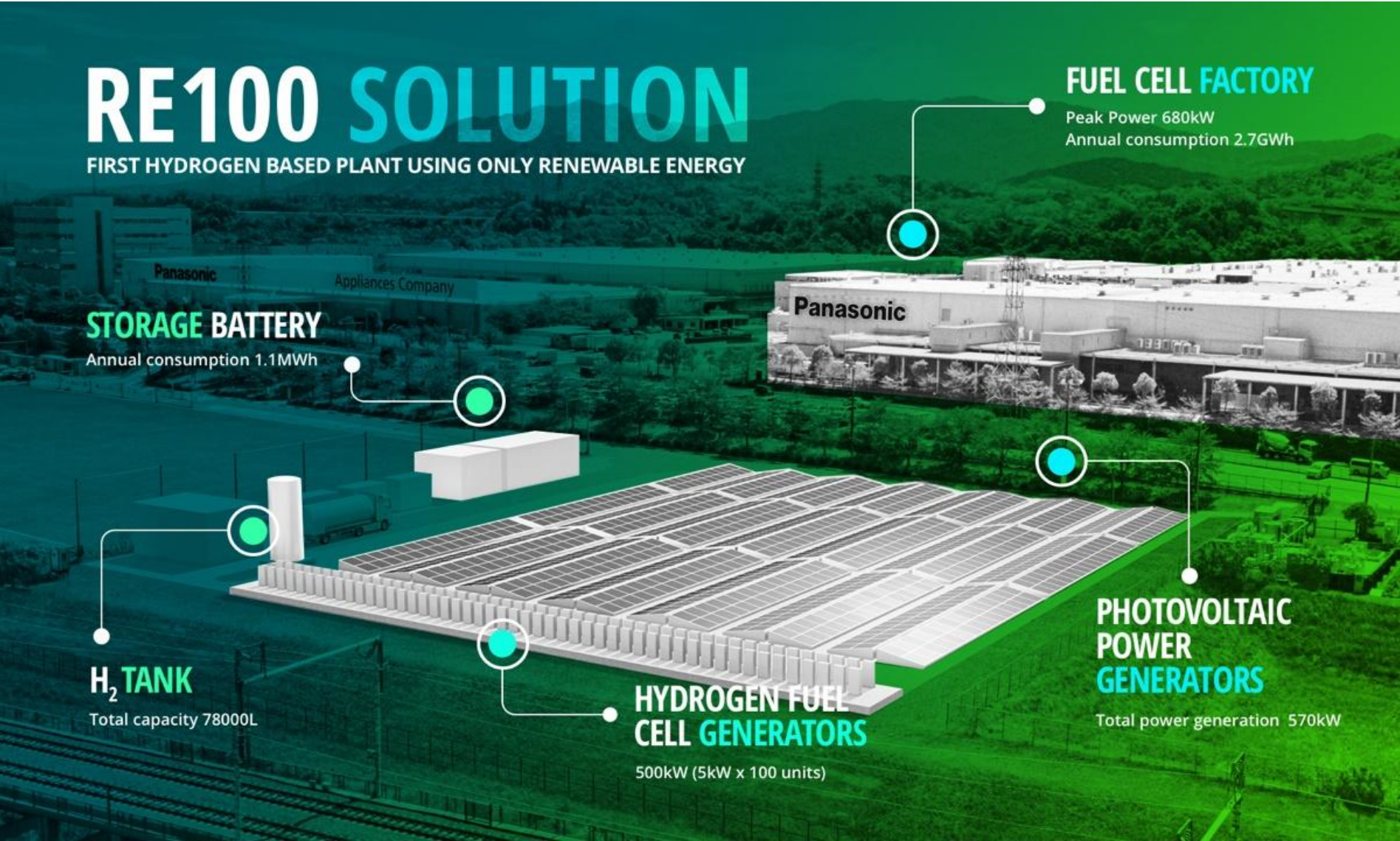
France



Italy



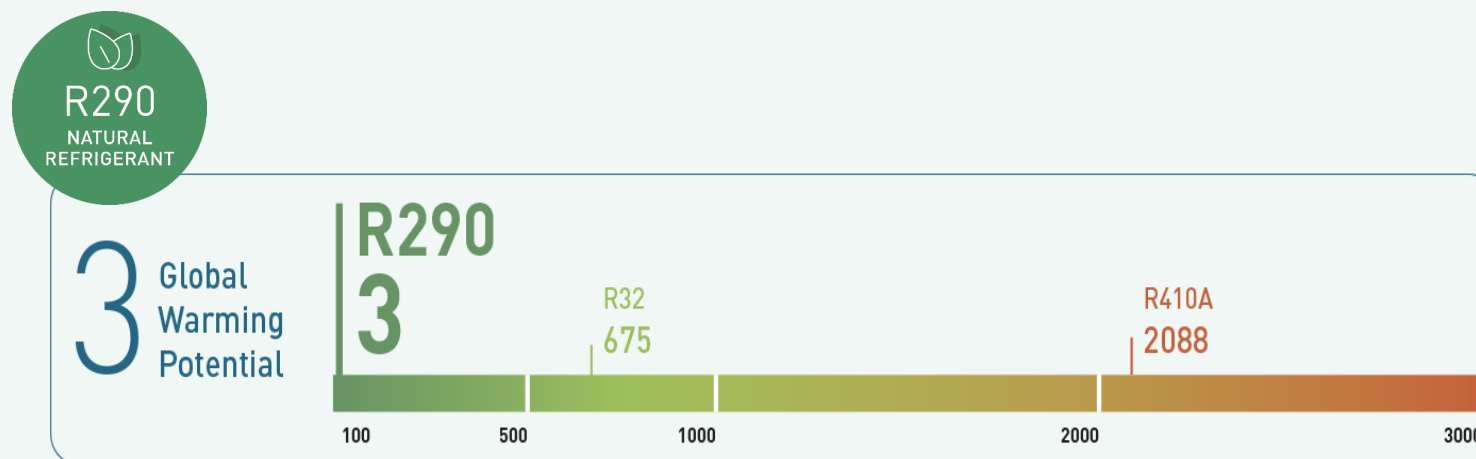




H-FCU RE100 Solution – Kusatsu Factory near Kyoto



## R290 natural refrigerant, with a low GWP of 3, minimizing environmental impact.



**700x** lower  
environmental  
impact than R410A  
refrigerant.

GWP = Global Warming Potential

# DECARBONISING FOR A GREENER FUTURE

Panasonic heat pumps provide heating, cooling and hot water for residential and commercial applications

*ECO i - W*

ECOi-W AQUA-G BLUE R290

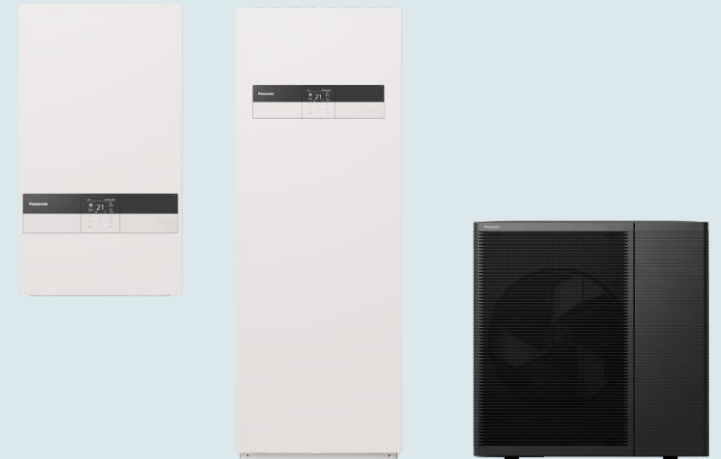


50kW, 60kW, 70kW and 80kW (cascade up to 640kW)



AQUAREA

AQUAREA L SERIES R290



5kW, 7kW and 9kW

Available in 5, 7 & 9 kW

A+++



A++



Ideal solution for **Residential** Applications

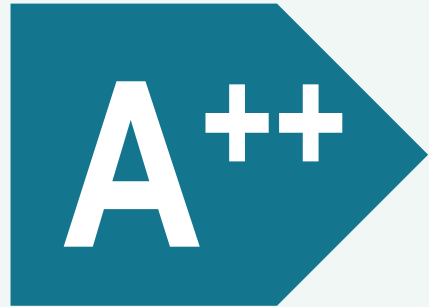
## Key Features

- COP up to 5.08
- Water outlet temperature up to 75°C
- Remote monitoring and diagnostics included as standard (Smart/Service Cloud Included as standard)
- 'Everything built in'
- Plumbing & Electrical installation only
- NO "F-Gas" qualifications required





Available in 50, 60, 70 & 80 kW



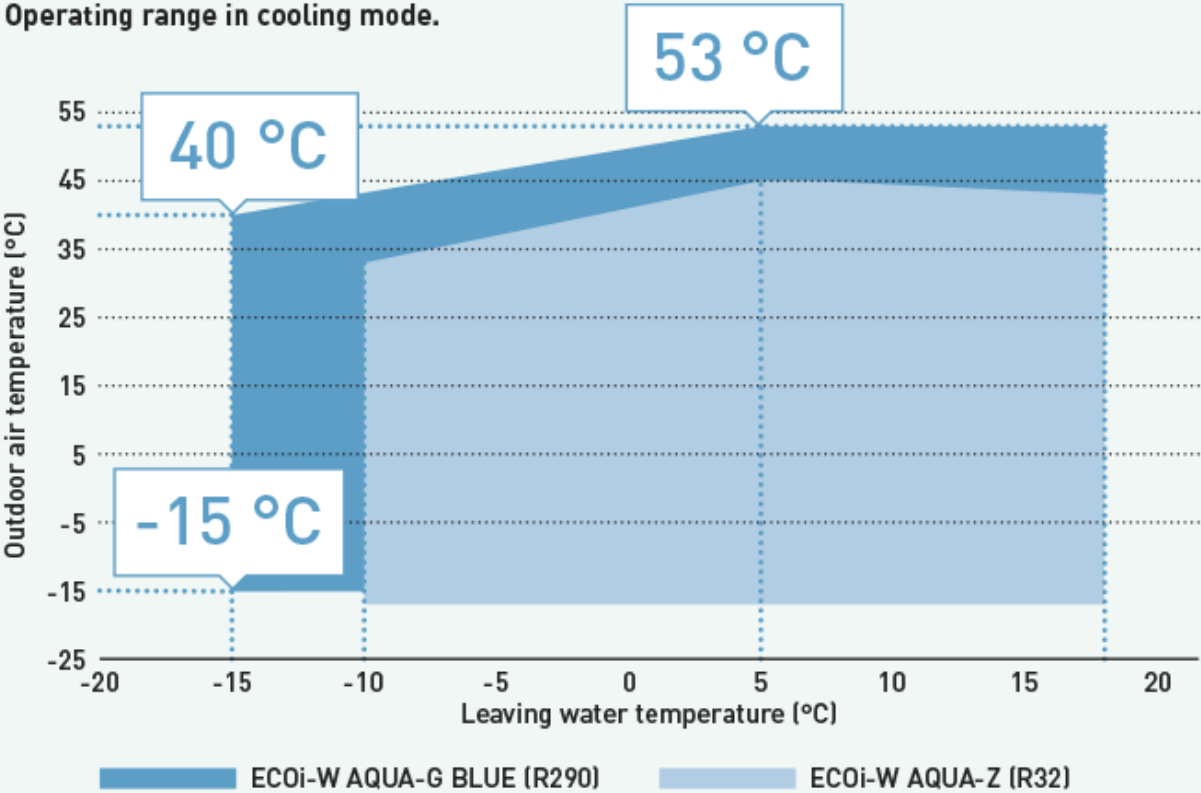
Ideal solution for **Commercial** Applications

## Key Features

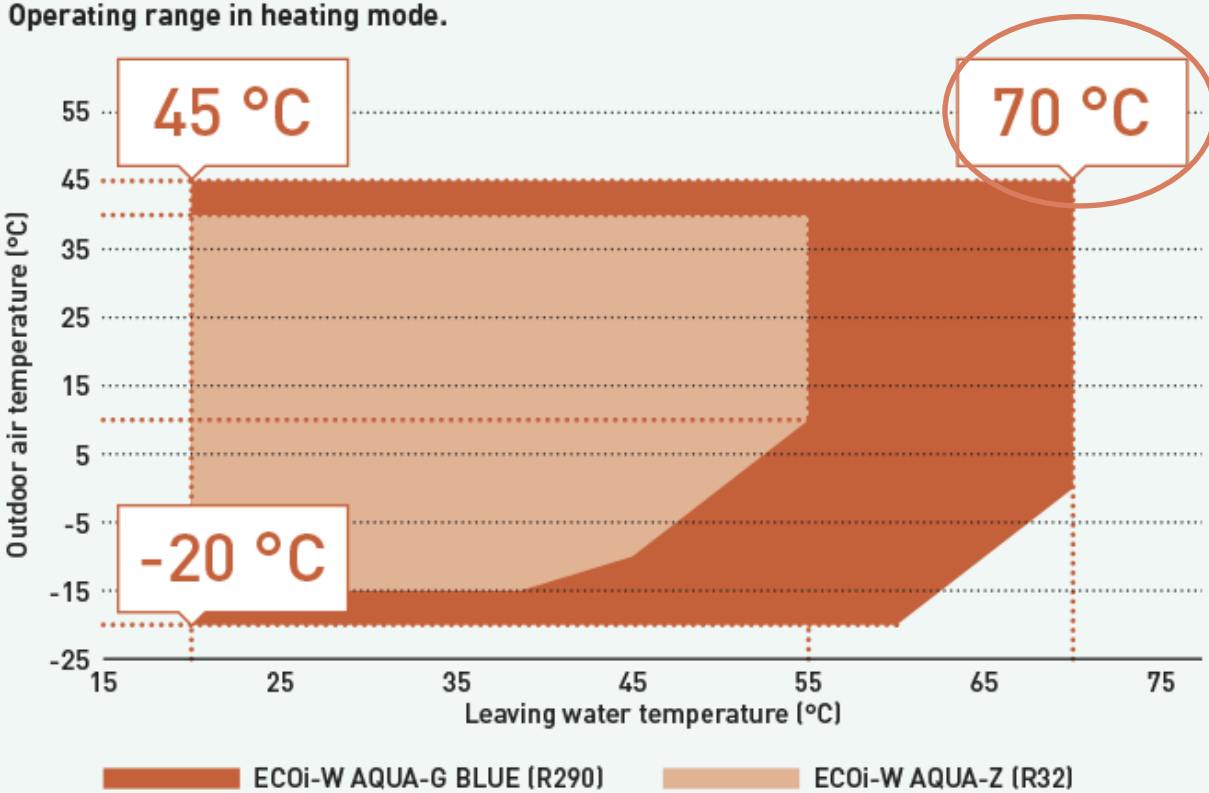
- 1<sup>st</sup> in market with scroll compressor in 50 - 80 kW.
- High water temp. (70°C leaving water temperature on 50 & 80 models)
- Max. SEER 4,4, SCOP 3,9
- Excellent energy efficiency
- DHW production
- Multi-systems available with a cascade controller
- SG ready
- Low noise operation

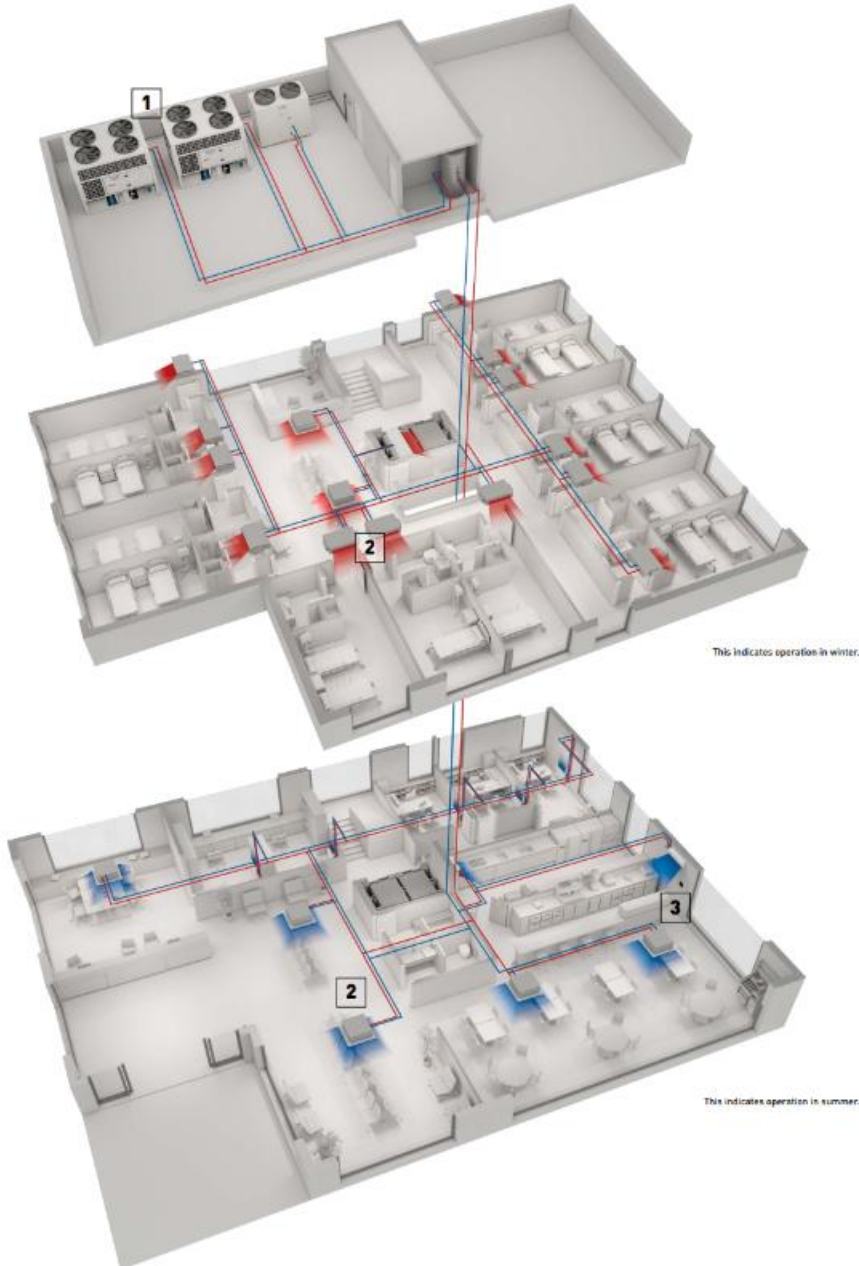


Operating range in cooling mode.



Operating range in heating mode.





**Can 1:1 replace a traditional boiler and should be viewed as such.**



**Can individually charge for usage.**



**Possibly no need to replace pipes and existing radiators.**



**Can heat and cool.**



**Low carbon solution that has positive EPC effects.**



- 1** Excellent access to components – easier servicing and maintenance.

Removable  
panels



- 2** Remote access to optimise operation, diagnostics and maintenance.

*ECO*i* - W Cloud*



- 3** Boost capacity up to 640kW with cascade combination.



- 4** Plug and play cascade controller.



Cascade control



## Delivering sustainable solution with UK Government's Public Sector Decarbonisation Scheme (PSDS) and the Low Carbon Skills Fund (LCSF)).

### The Challenge:

- Reducing carbon footprint and energy consumption

### The Solution:

- Cascaded Panasonic heat pump system

### Result:

- Completely replaced the need for gas boilers within building.
- Expected to deliver savings of **1,058,000kWh** annually.



**Find out more**



**We want to  
create  
environments  
that are greener,  
healthier and  
more  
sustainable.**

