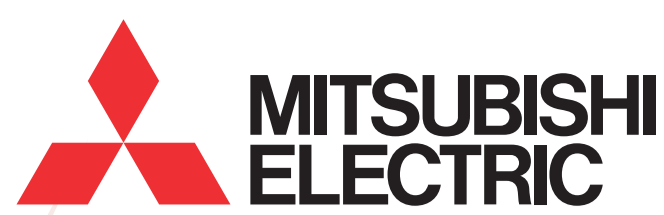
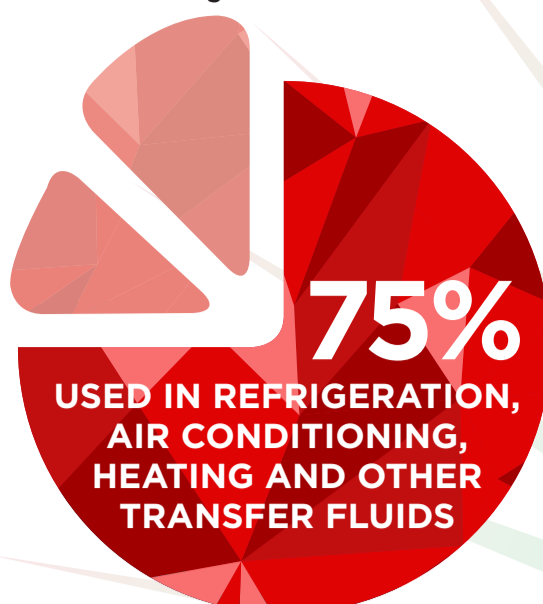


F-GAS REGULATIONS



The EU has introduced a new regulation on the use of fluorinated greenhouse gases (F-Gases) like hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) and sulphur hexafluoride (SF6)



A BRIEF MITSUBISHI ELECTRIC HISTORY OF REFRIGERANTS

R22 > R407C > R410A > R32



MEASURES TO REDUCE F-GAS

MEASURES TO PREVENT LEAKAGE



PHASE-DOWN BULK HFCs
(79% by 2030)

CONTAINMENT MEASURES
e.g. Leak checks

HFC BANS
in new equipment for certain sectors

LABELLING
Reporting, recovery etc.

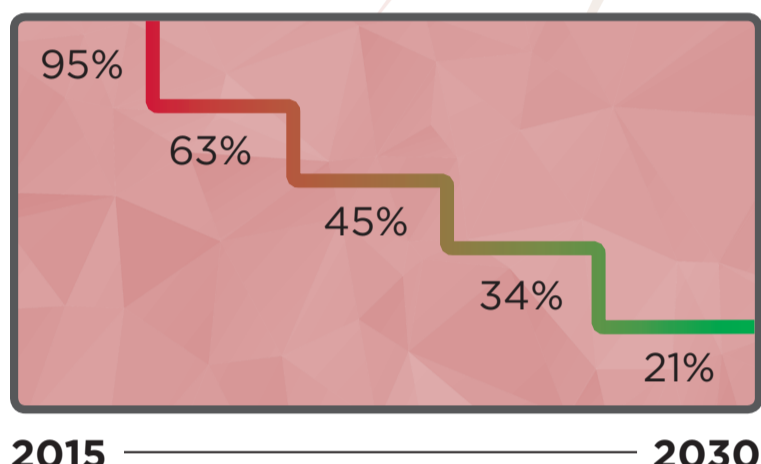
SERVICING BAN ON HFCs WITH A GWP ≥2500
for certain sectors

TRAINING / CERTIFICATION REQUIREMENTS

HFC EU LIMITS

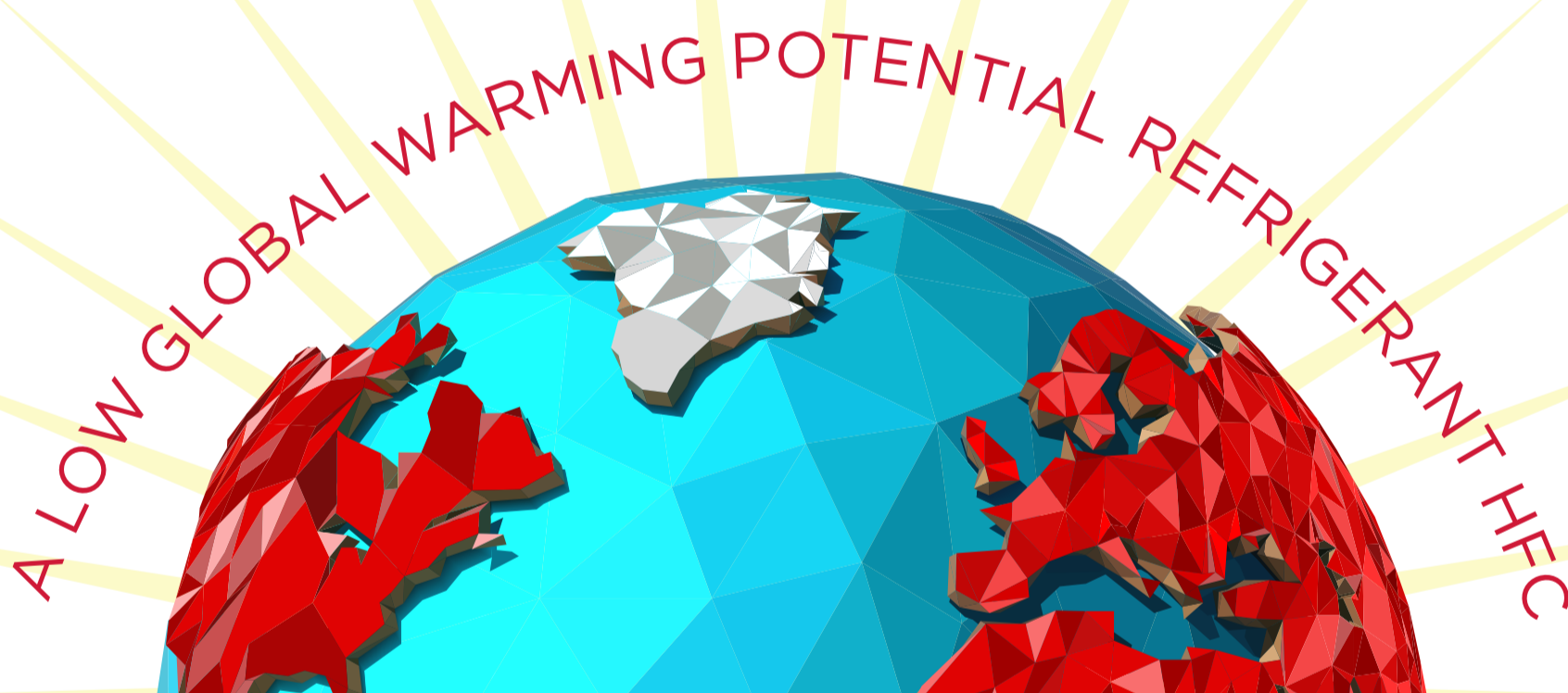
SECTOR	GWP LIMIT	YEAR	SECTOR	GWP LIMIT	YEAR
Domestic Refrigeration	150	2015	Centralised Commercial Refrigeration (>40kW)	150	2020
Stationary Refrigeration (except <50°C)	2,500	2020	Moveable Room Air Conditioning	150	2020
Hermetically Sealed Commercial Refrigeration	150	2022	Single Split Air Conditioning (<3kg of F-gases)	750	2025

HFC PHASE-DOWN



WHAT IS R32?

R32 IS A LOW GWP REFRIGERANT OF 675



675
R32

GLOBAL WARMING POTENTIAL

2088
R410A

USED WIDELY IN JAPAN, AUSTRALIA AND INDIA

R32 is already a familiar refrigerant, making up 50% of R410A

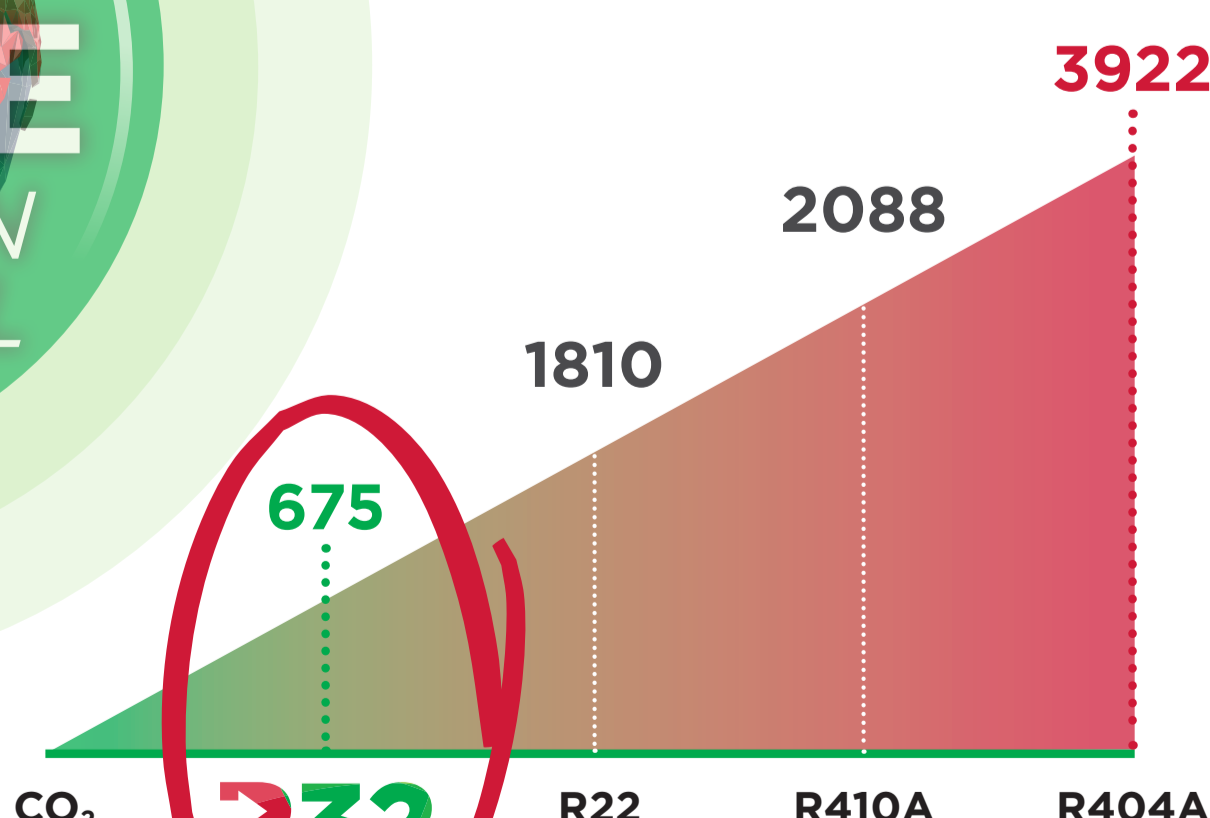


MORE EFFICIENT

MORE EFFICIENT OPERATION MEANS:

LOWER CARBON EMISSIONS AND ENERGY COSTS

ZERO OZONE DEPLETION POTENTIAL



EASY TO RECYCLE

timeforR32.co.uk/ig1

Follow us @meuk_les
Follow us @green_gateway

Mitsubishi Electric
Living Environmental Systems UK

youtube.com/mitsubishielectric2

