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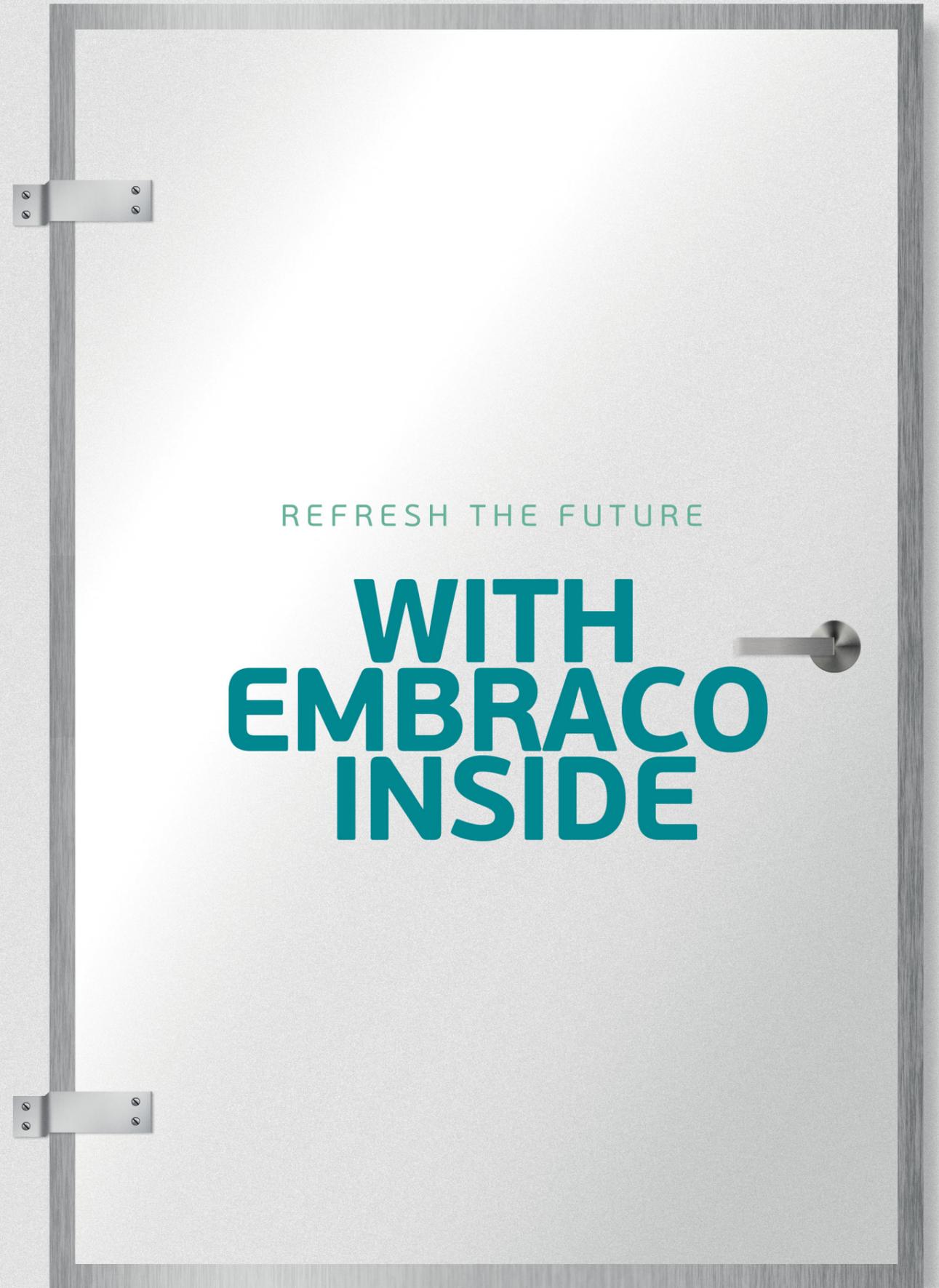
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## FUTURE-PROOF SOLUTIONS FOR COLD-ROOM APPLICATIONS

The NTX family (PED I) and NJX family (PED II) are ready for the next-to-come charge increase for R290.

## CASE STUDY:



Monoblock for Cold Room, +5 °C and -5 °C internal temperatures

Internal Dimension: 10.9 m<sup>3</sup>  
External Dimension (mm):  
1960 (h) x 2560 (w) x 2200 (d)

Under the same conditions, the Embraco NTX compressor with R290 has 8% lower energy consumption than A2L solutions.

## CASE STUDY PARAMETERS

Charge R454C 530g ▶ R290 250g

**Test conditions:**  
Ambient temp. 32°C / 60% R.H.  
Thermostat setting 6.1°C

## THE RESULTS SPEAK FOR THEMSELVES

System with R454C faced difficulties with charge definition due to glide of the refrigerant. With the R290 refrigerants the system achieves higher energy efficiency and better thermodynamic performances than A2L solutions.

