

SMARTBLOOM

Dynamic decorative flowers as a sustainable alternative to natural materials



18.25 B
cut flowers
are used annually

Transportation (CO_2)



Landfill (CH_4)



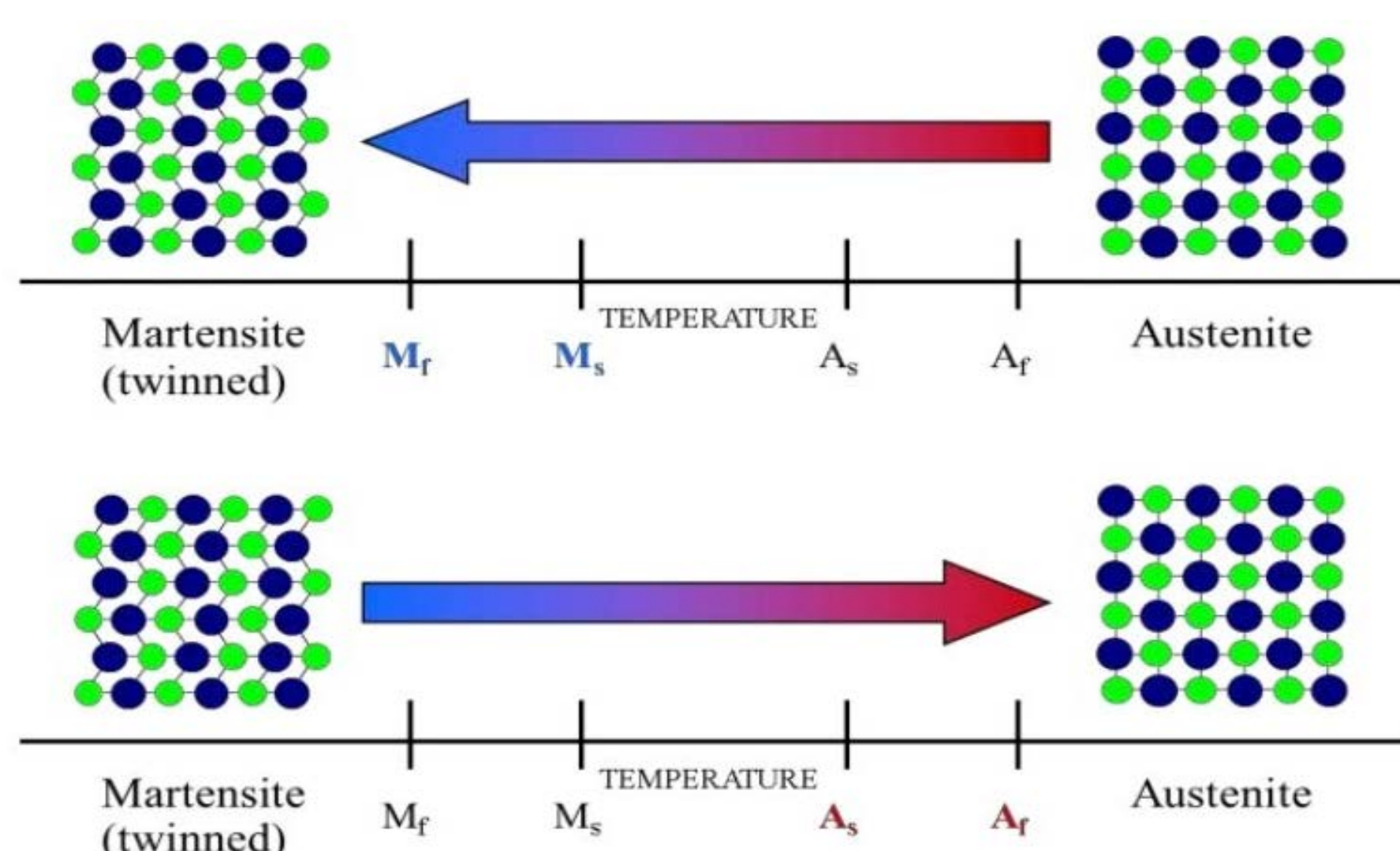
CO_2 & CH_4

are significantly contributors to **climate change**



Bloom Mimicking (more realistic)

Shape Memory Alloys (SMAs)



Electricity

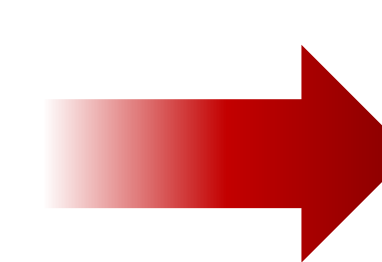


Heated Ni-Ti

Flower Bud

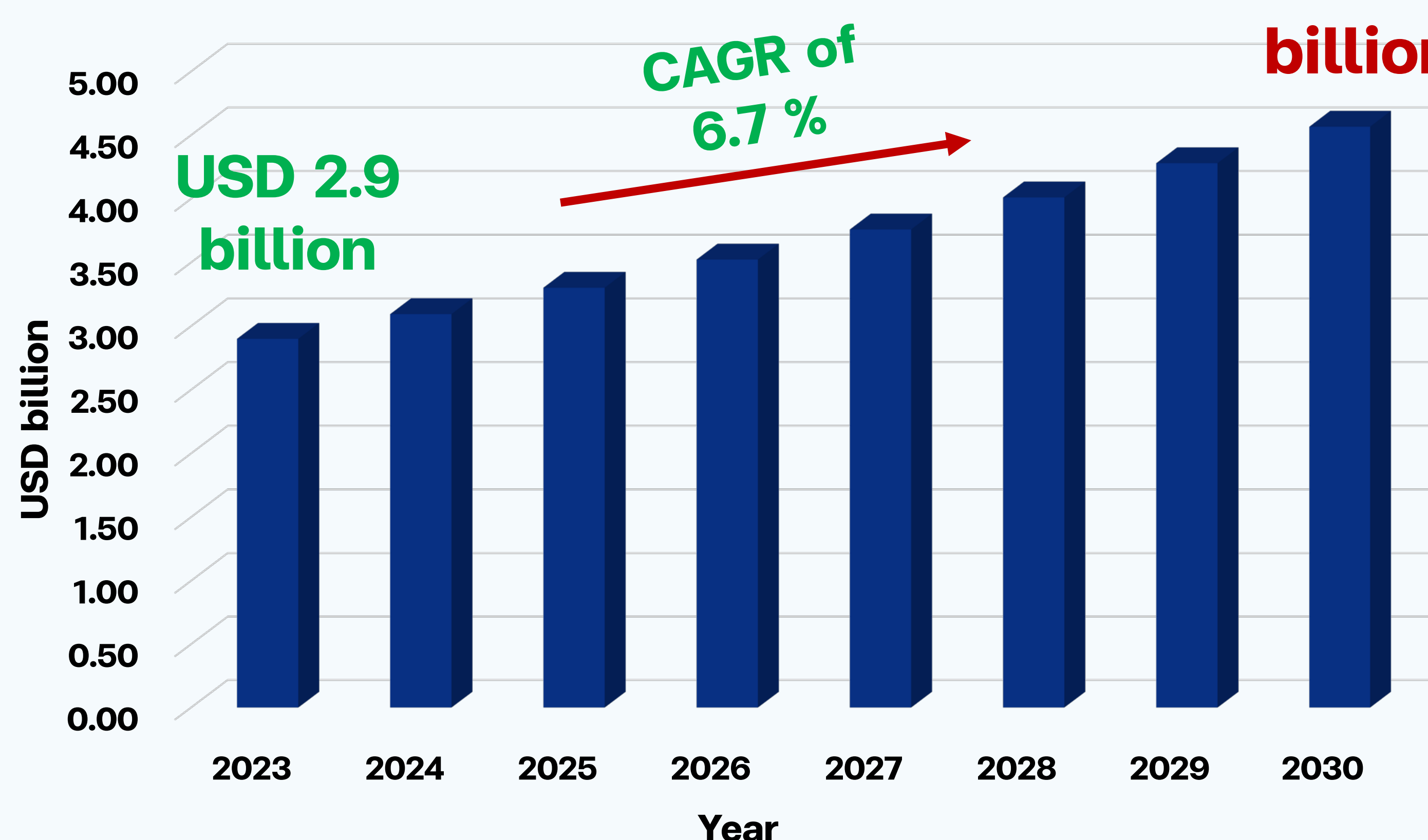


Blooming Flower



Key
Collaborator

Bloom Sustainability for a Greener Planet



USD 4.6 billion in 2030 for artificial flowers

USD 52 billion in 2030 for cut flowers



CAGR of 4.8%

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