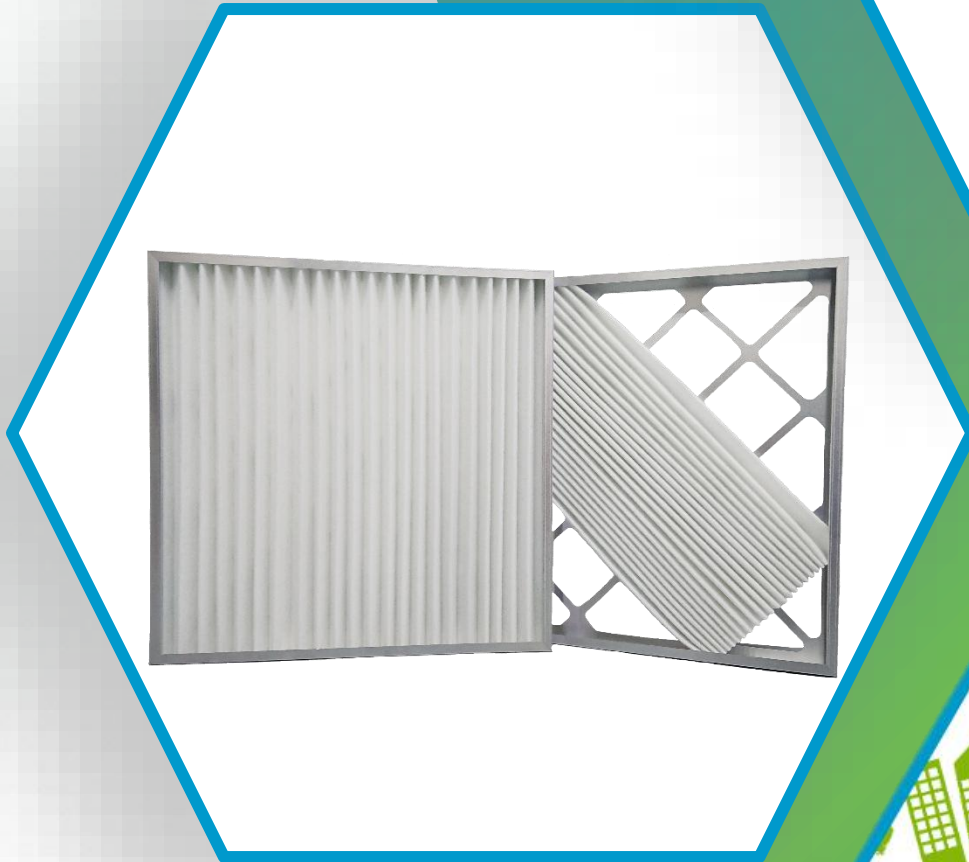


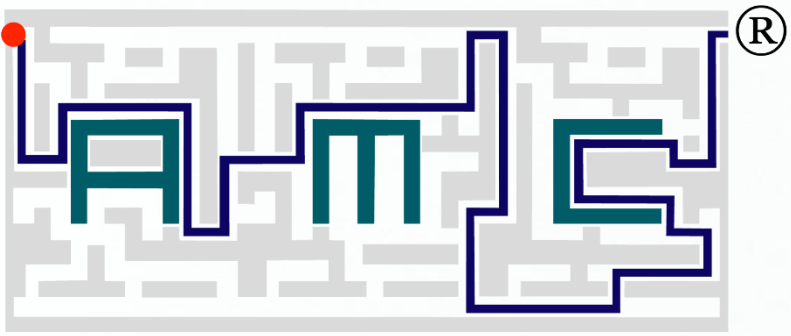
Airmaze Corporation Pte Ltd

Small Step, Big Impact:

**How do Sustainability
Protection Filters (SPFs)
Support Climate Action?**



**SPF
Filters**



**Airmaze Corporation Pte Ltd
(A-F08)**

Presenter:

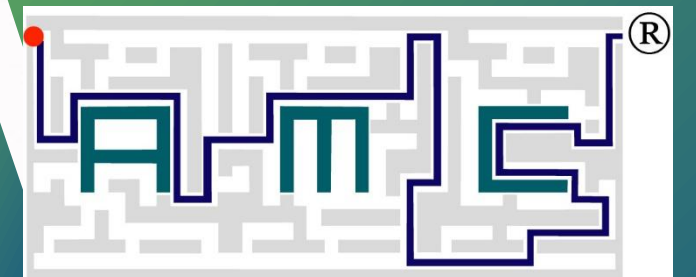
Elsa Tan (Ms.)

*Certified Air Filter Specialist
(CAFS) by USA NAFA
(National Air Filtration Association)*

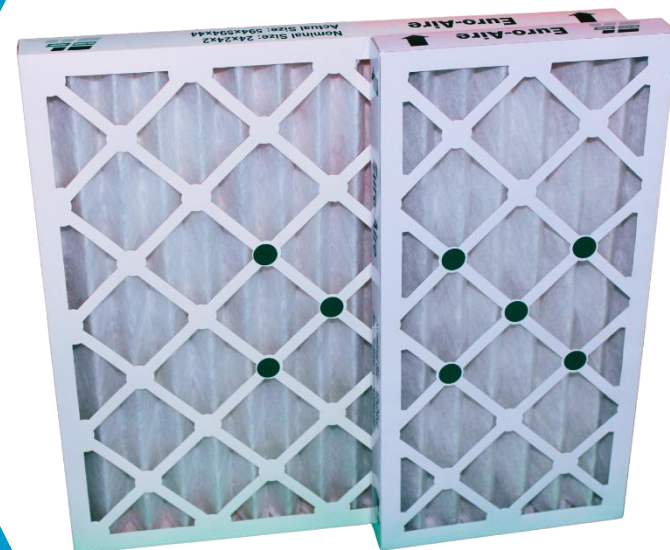


Executive Summary

- Disposable/ Conventional air filters are widely used for convenience and cost-effectiveness
- However, they carry several adverse impacts across multiple dimensions
- Sustainability Protection Filter (SPF) can help to reverse the trend and support climate action



Filter Comparison

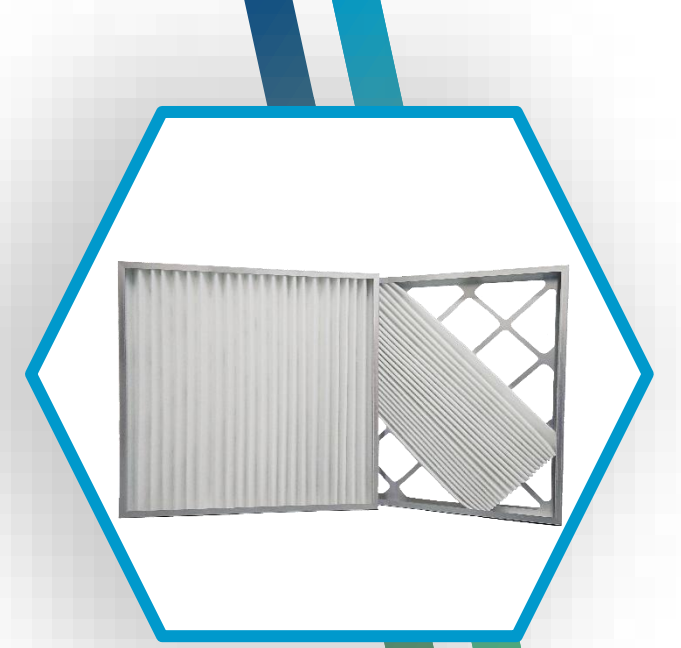
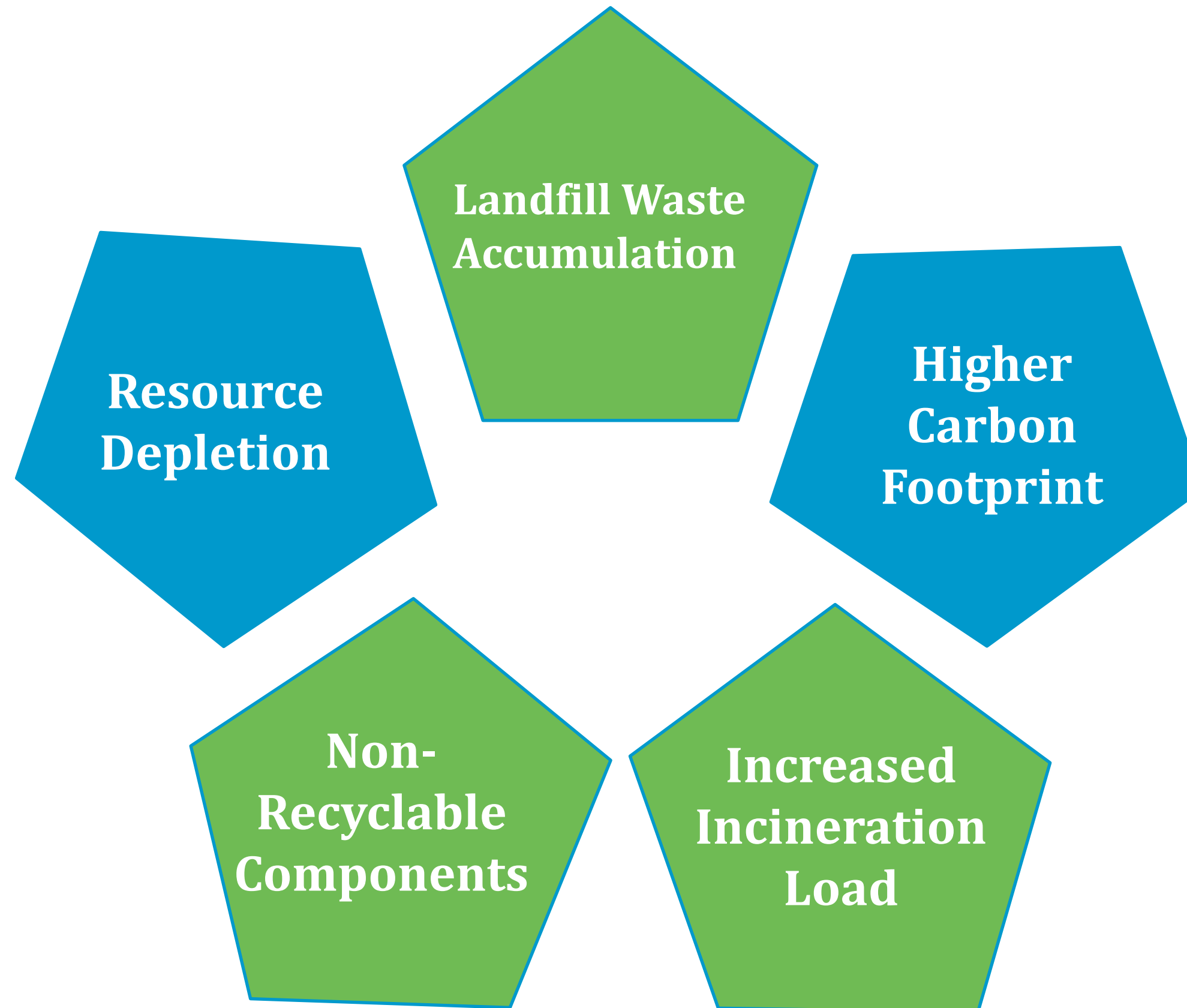


Conventional Filter

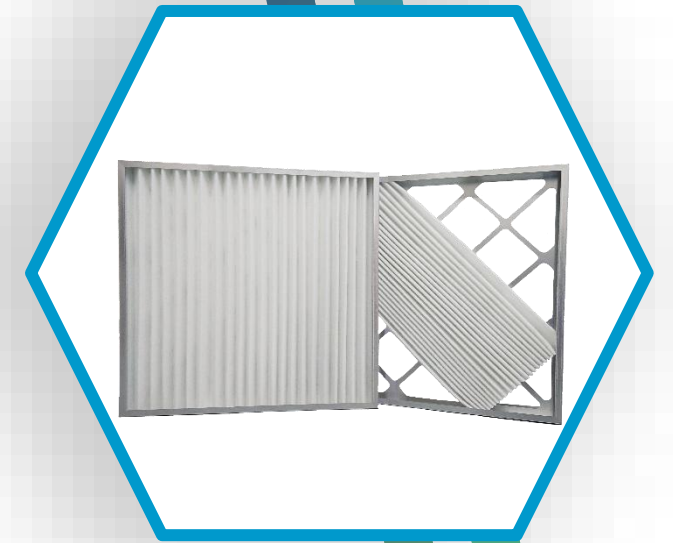
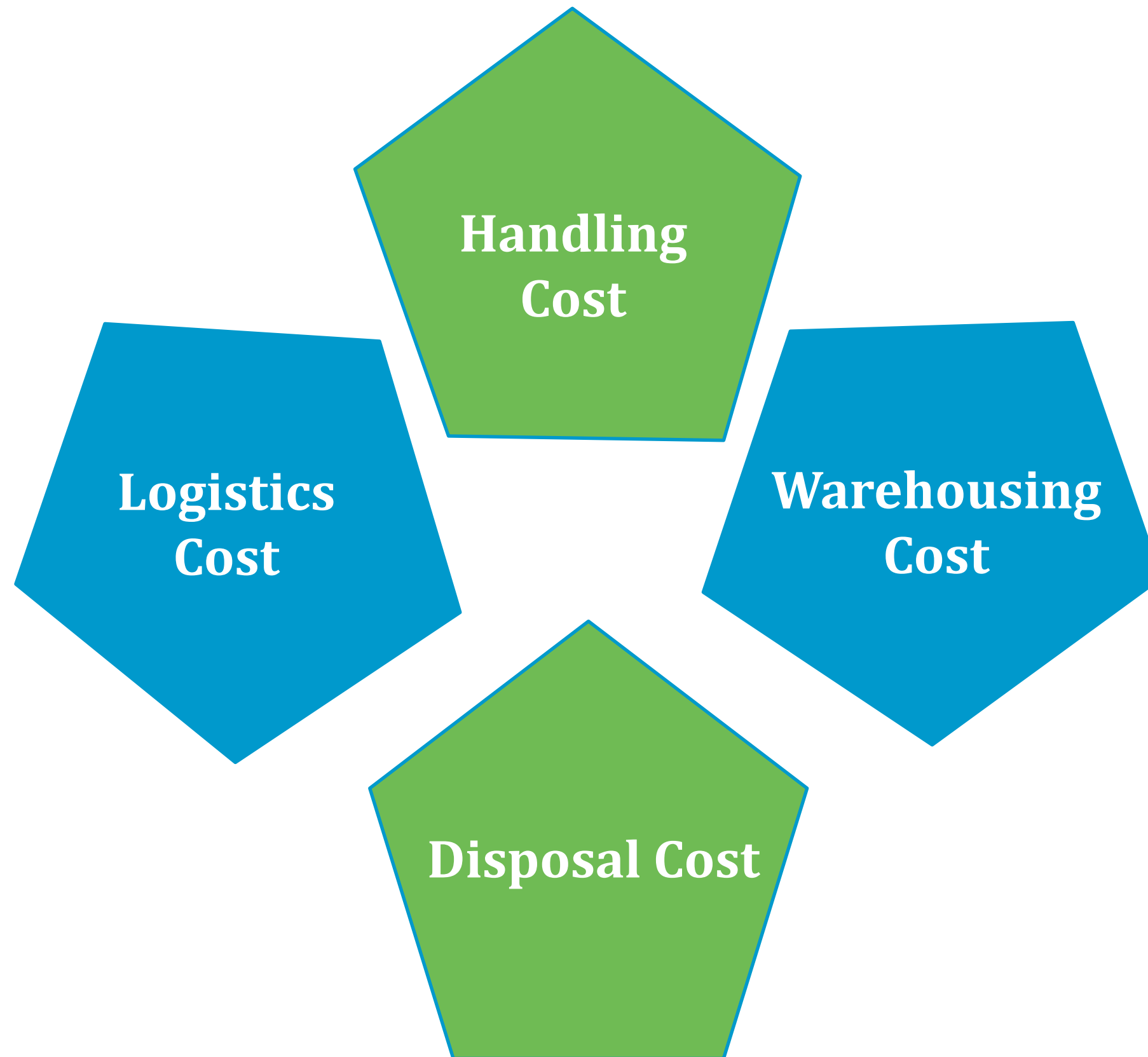


Sustainability Protection Filter
(SPF)

Adverse Impact (1): Environmental Aspects



Adverse Impact (2): Economic Aspects

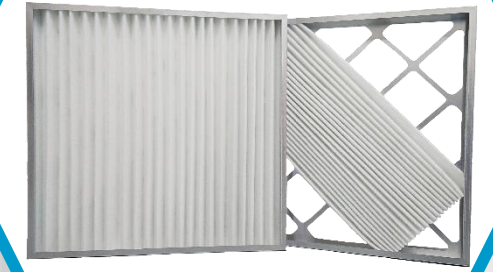


Adverse Impact (3): Operational Aspects

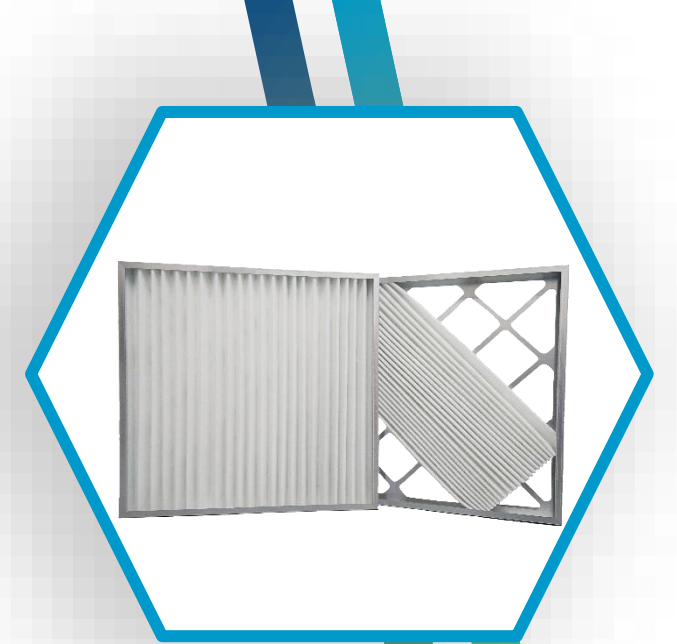
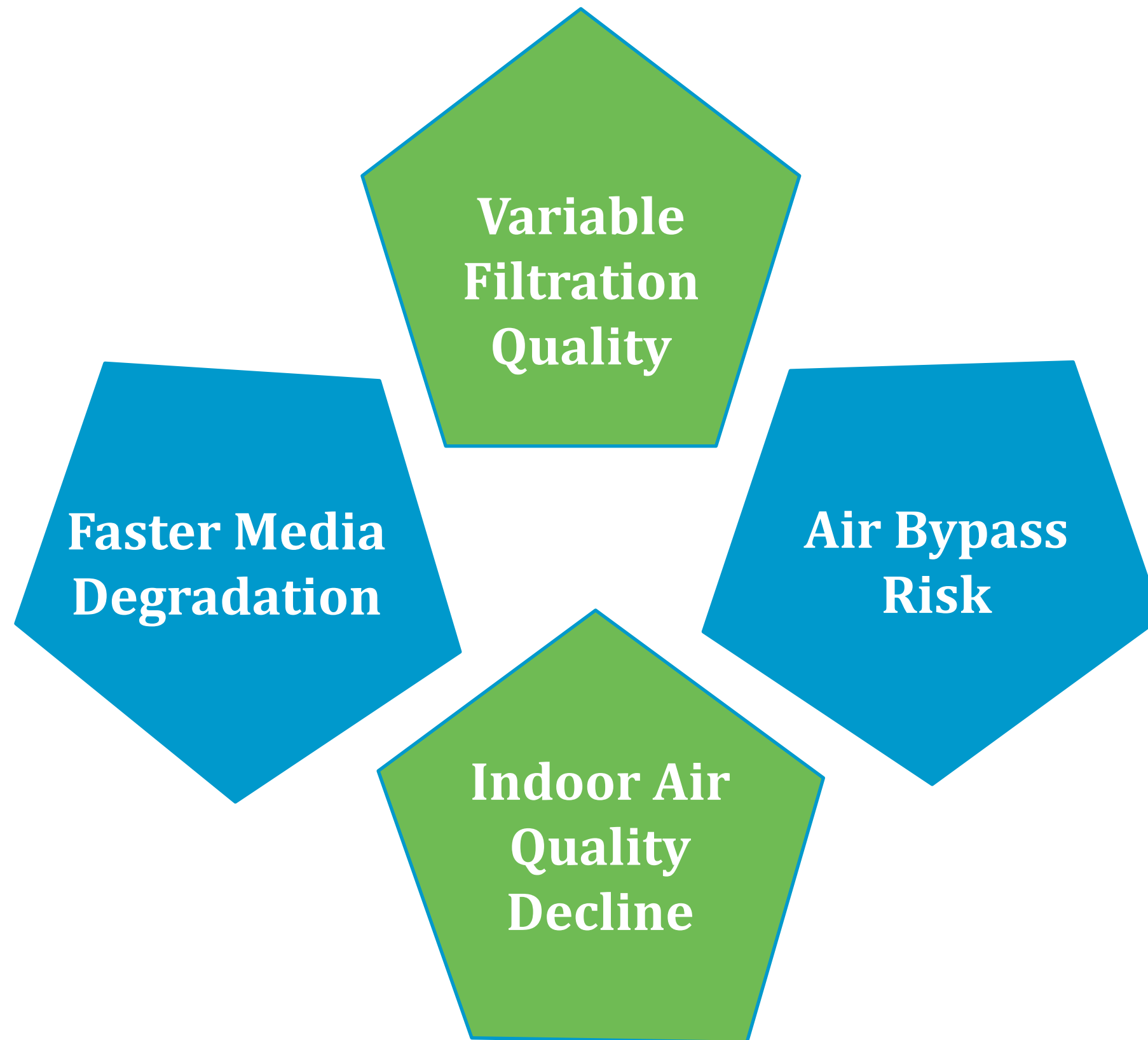
**Risk of
Improper
Disposal**

**Risk of
Mishandling**

**Lower
Durability**



Adverse Impact (4): Health & Air Quality Aspects

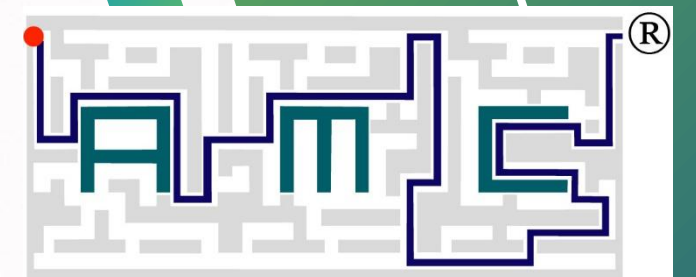
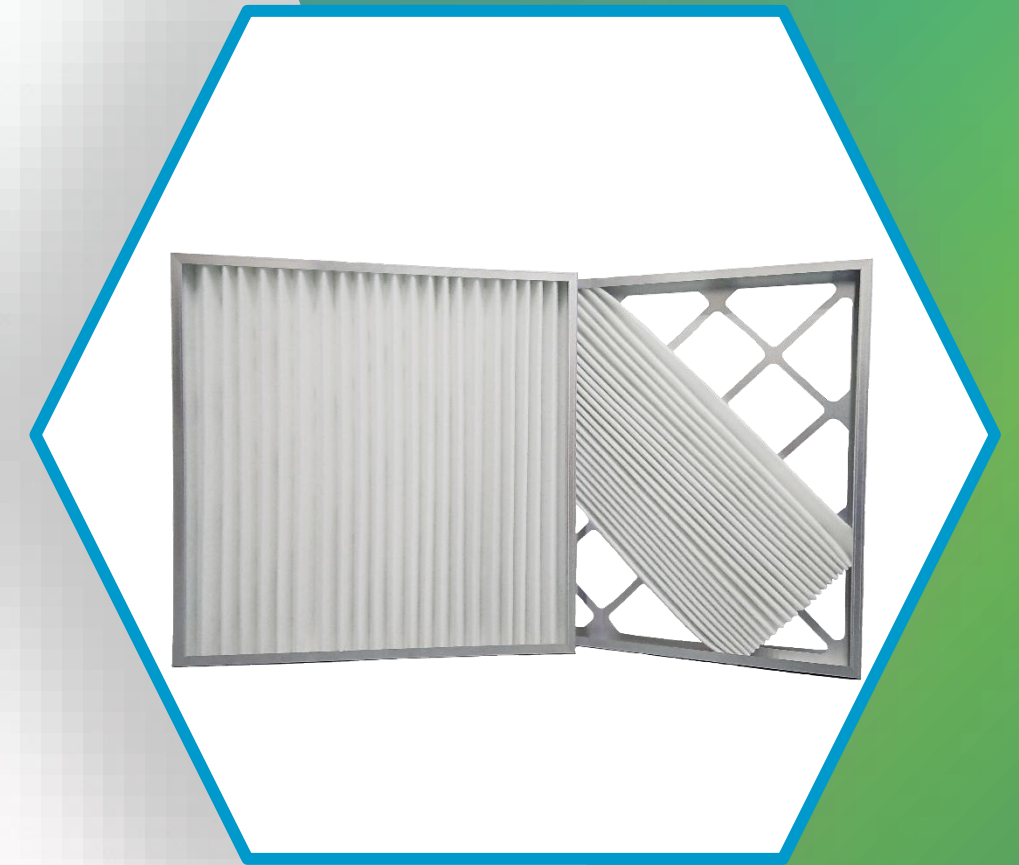


Summary: Adverse Impact

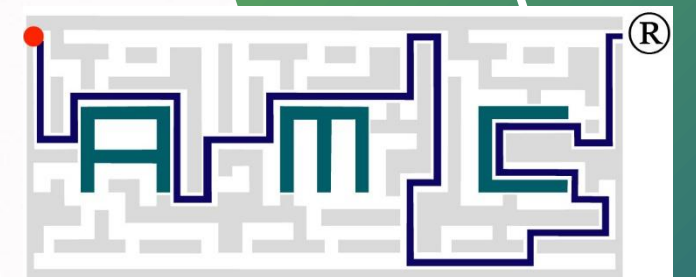
- Disposable filters are convenient but have significant drawbacks:
 - o Environmental harm through waste and emissions
 - o Increased costs and operational complexity
 - o Potential health risks from poor air quality and exposure

Solution:

- Transitioning to reusable or serviceable filters can mitigate these issues and support sustainability goals.



Advantages of Using Sustainability Protection Filters (SPFs)



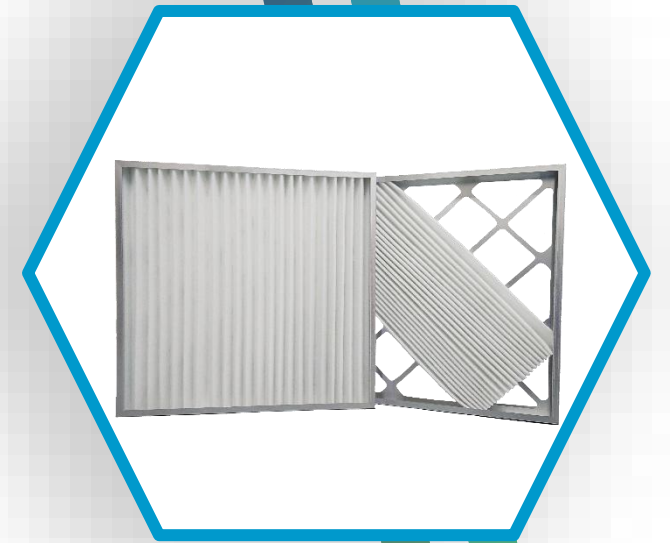
Advantage of using SPF:

1. Environmental Sustainability

**Reduced
Waste
Generation**

**Conservation
of Raw
Materials**

**Lower
Carbon
Footprint**



Advantage of using SPF: 2. Economic Benefits

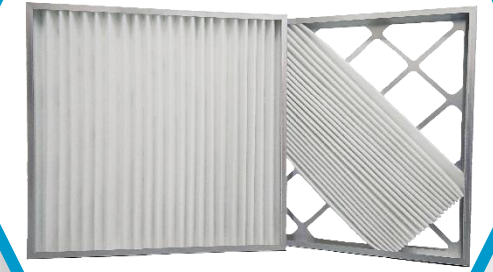
**Cost Savings
Over Time**

(Up to 40%!)

**Lower
Procurement
and Storage
Needs**

Advantage of using SPF: 3. Operational Efficiency

**Ease of
Maintenance**

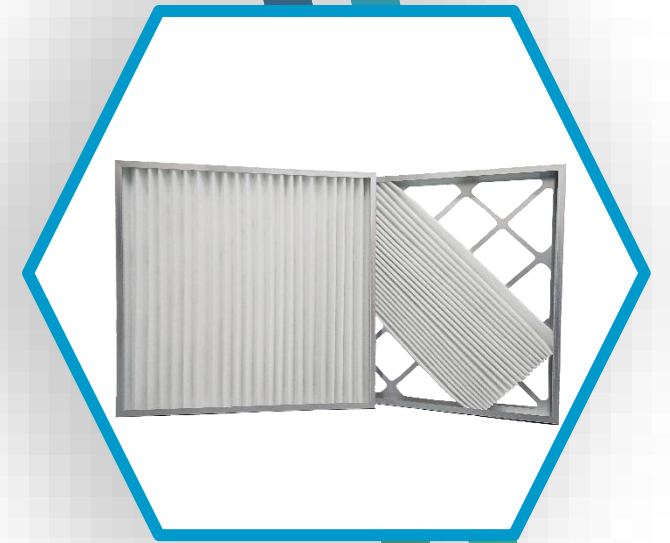


Advantage of using SPF: 4. Health & Indoor Air Quality

**Better
Air Quality
Control**

**Reduced
Microbial
Growth Risk**

**Improved
Fit and Seal**



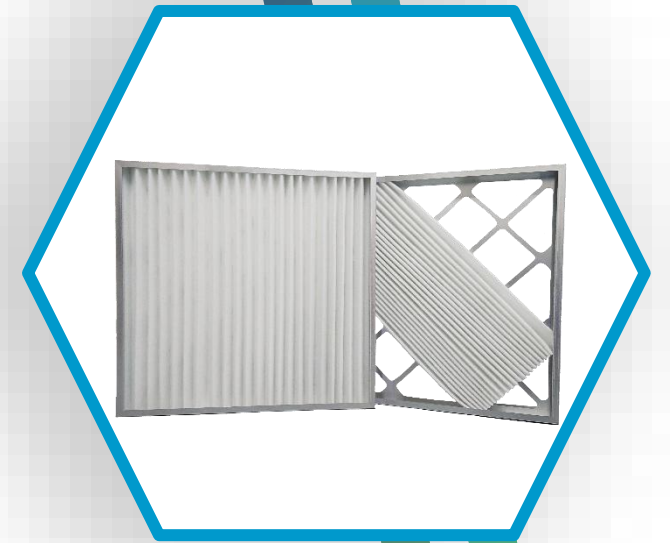
Advantage of using SPF: 5. Support for Green Building and ESG Goals

**Contribution
to LEED and
WELL
Certifications**

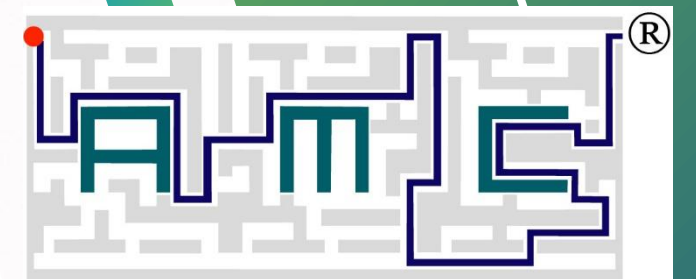
Filter media made of
20% of recycled fibers
are aligning with
sustainability credits

**Reduction of
Operational
Energy**

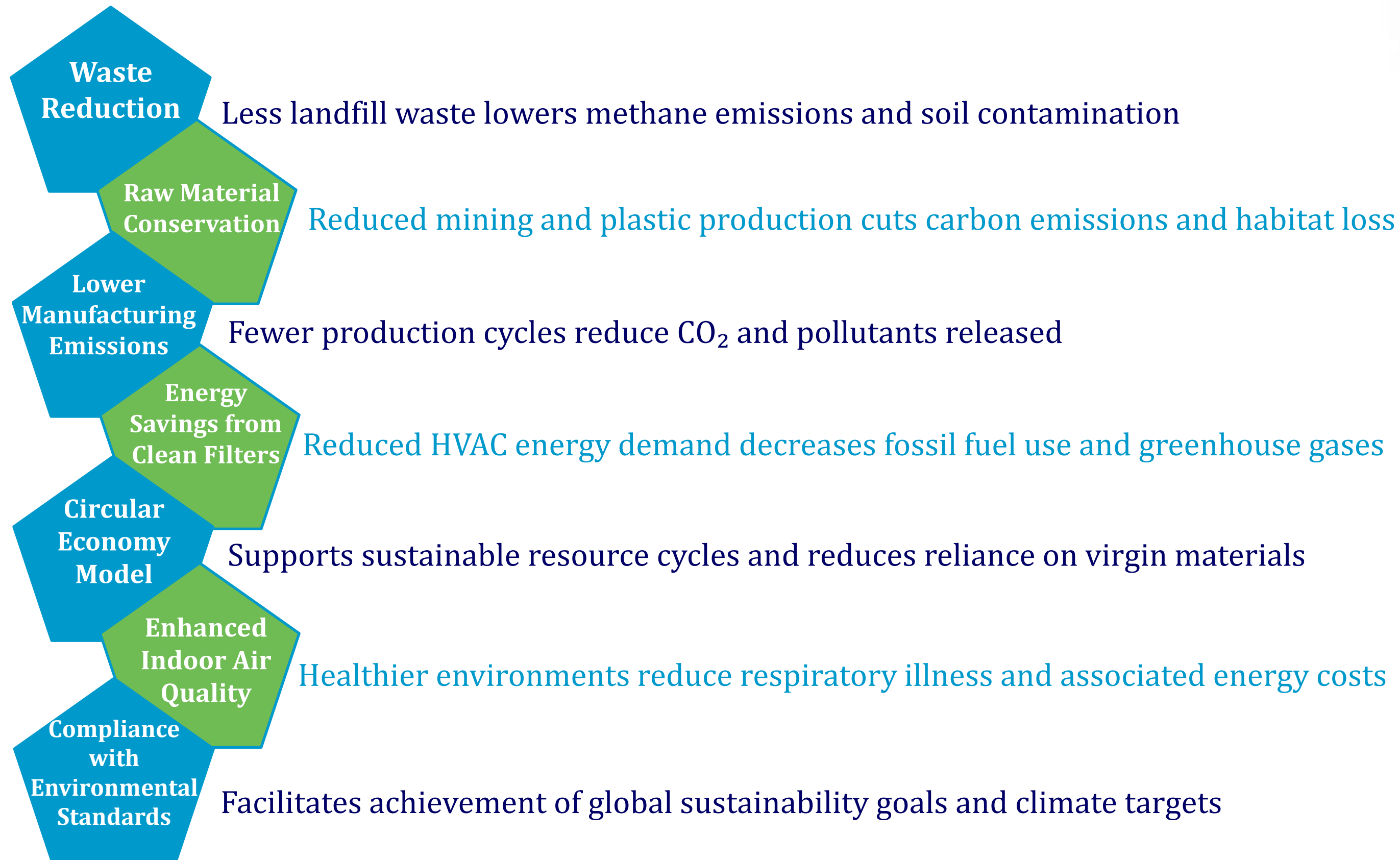
**Promotion of
Circular
Economy
Principles**



Positive Environmental Impacts & Support for Climate Action



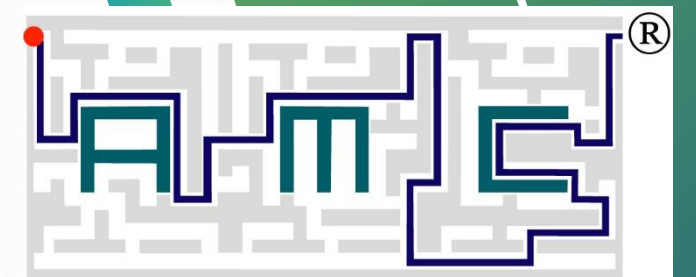
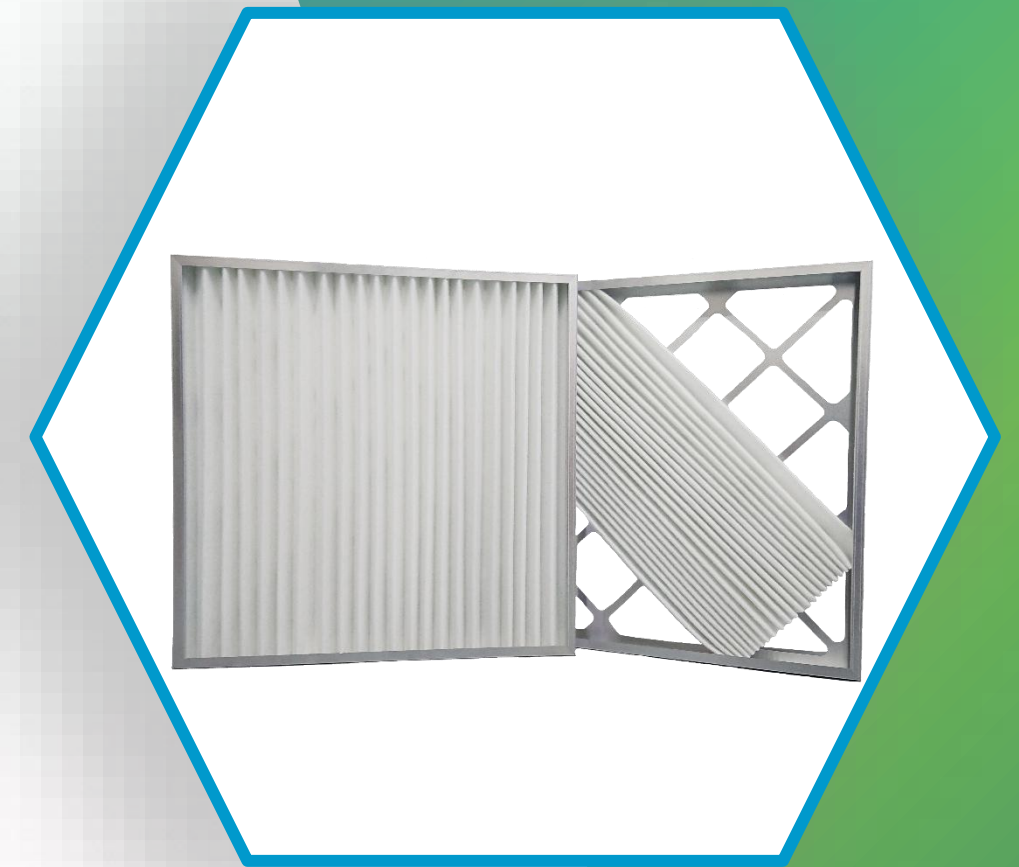
Positive Environmental Impacts & Support for Climate Action



Summary:

Adopting Sustainability Protection Filters (SPFs):

- Cuts down waste and pollution
- Saves money and energy
- Improves air quality and health
- Advances corporate sustainability and climate commitments



Applications



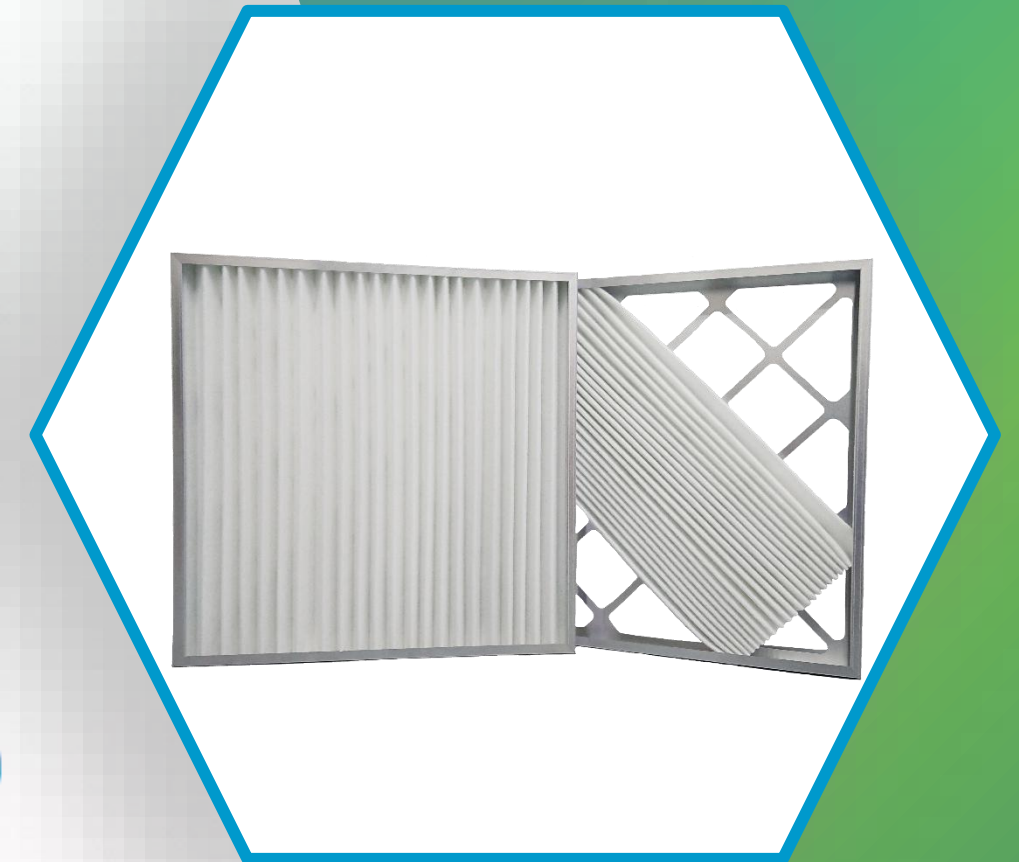
Airports

Casinos



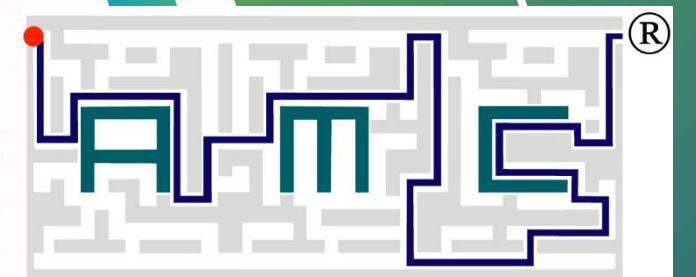
**Train
Stations**

**Luxury
Hotels**



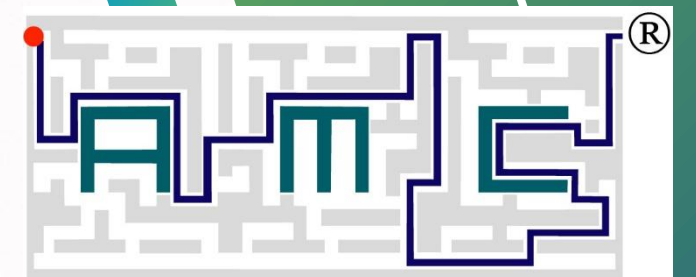
Conclusion

This makes SPFs a practical, impactful solution that aligns with global climate action initiatives such as the Paris Agreement and the UN Sustainable Development Goals (especially SDG 12: Responsible Consumption and Production, and SDG 13: Climate Action).



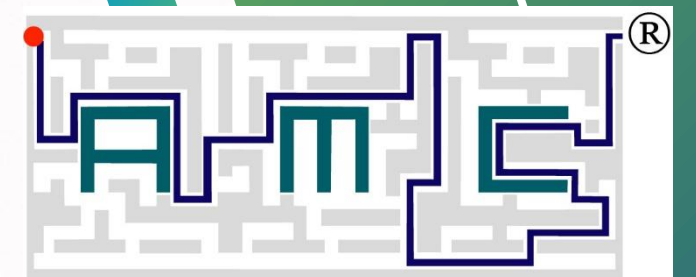
Paris Agreement

The Paris Agreement is a landmark international treaty adopted in 2015 by 195 nations to combat climate change by limiting global warming to well below 2°C, preferably to 1.5°C, compared to pre-industrial levels.



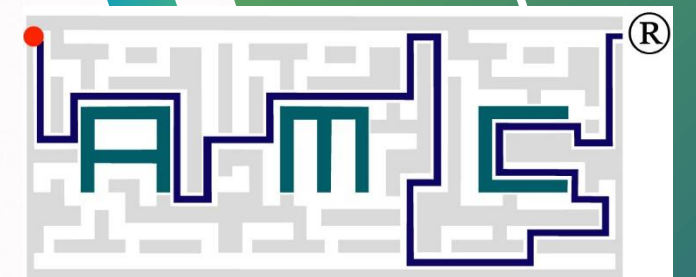
Paris Agreement

Singapore is one of the nations who have signed the Paris Agreement in 2016. Working towards this, Singapore has created “The Green Plan” charting plans and goals over the next ten years.



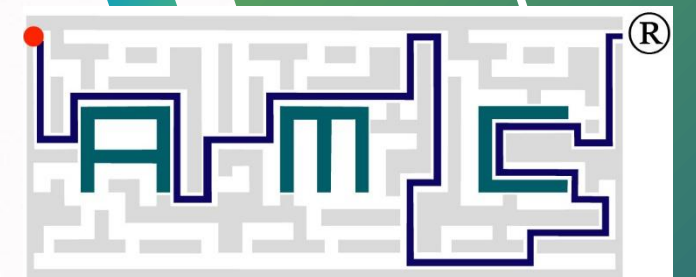
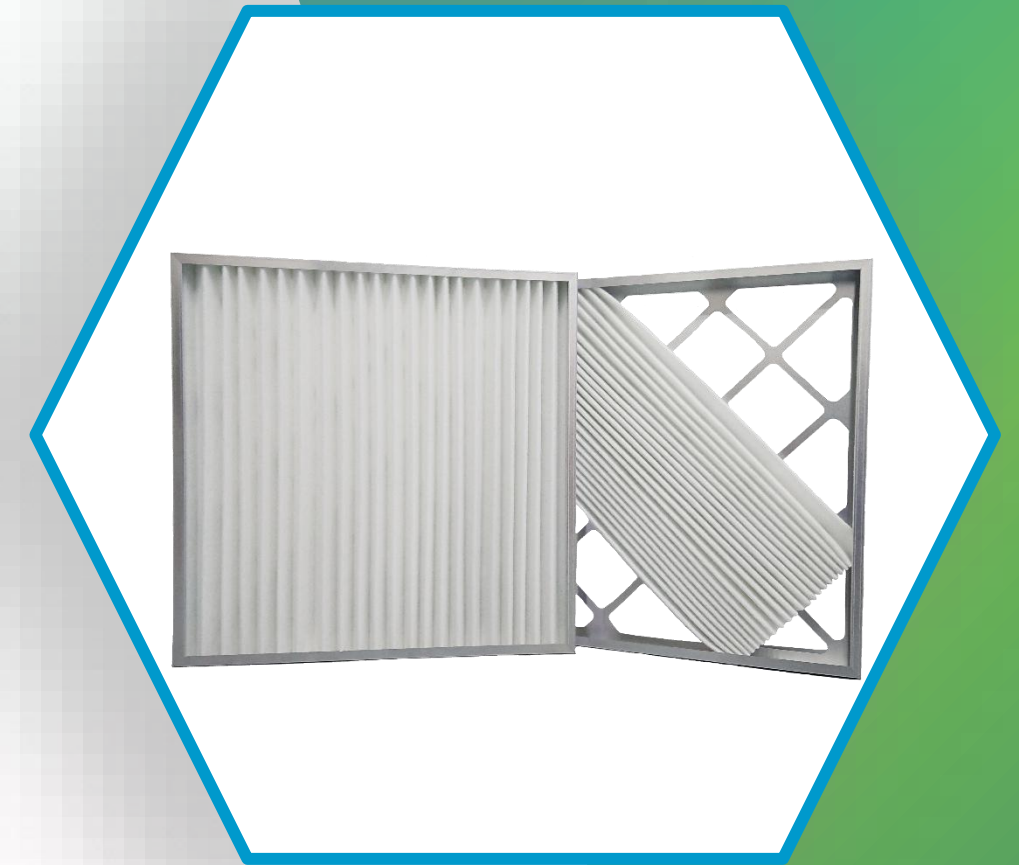
The Green Plan

The Green Plan reinforces Singapore's commitment to the 2030 Agenda and the SDGs.



The Green Plan in UN Sustainable Development Goals (SDG)

These efforts aim to support:



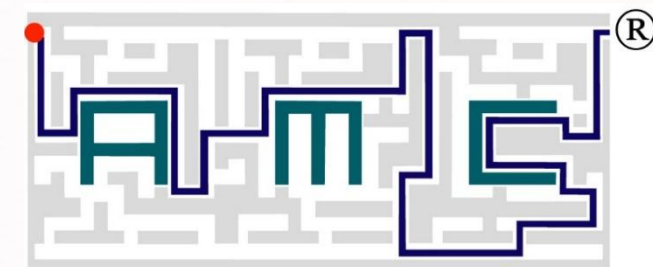
Join Us on This Sustainable Journey



The epitome of air filtration

Small Step, Big Impact

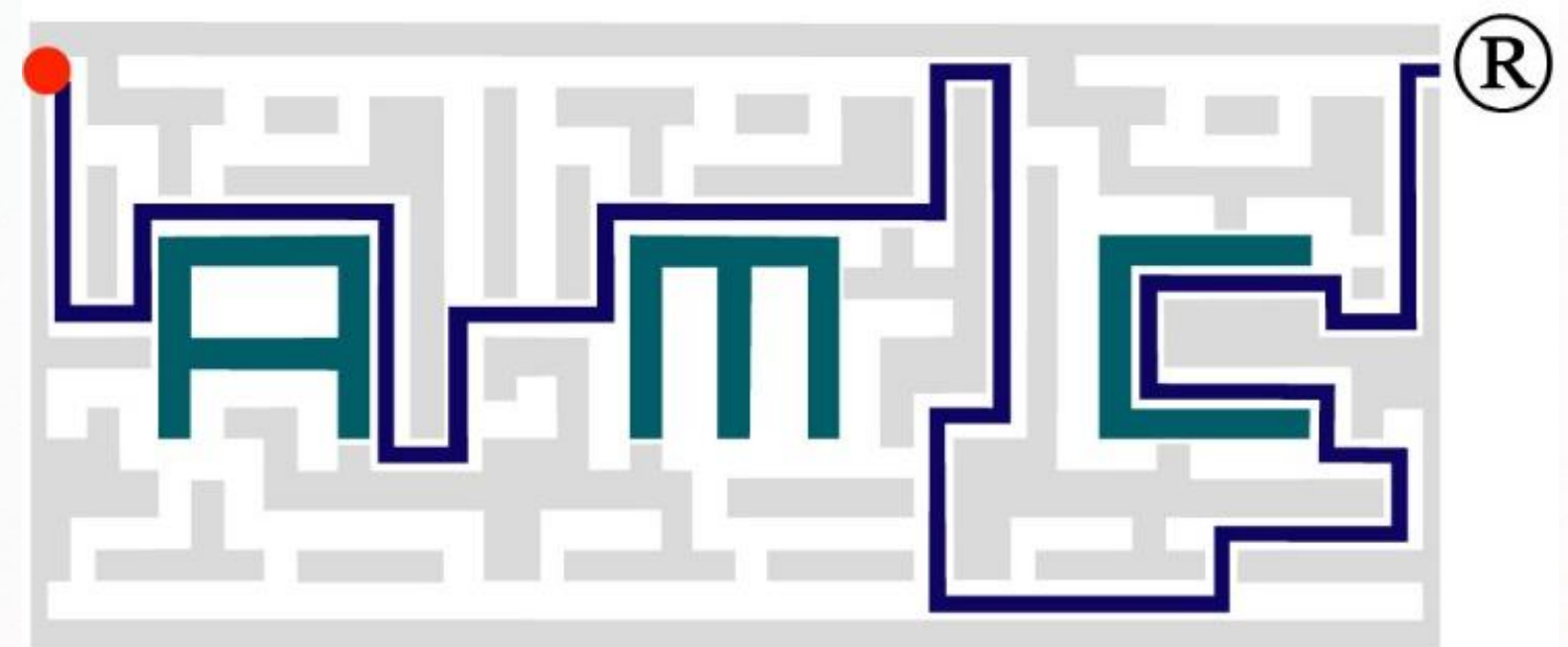
Global goals, Locally aligned



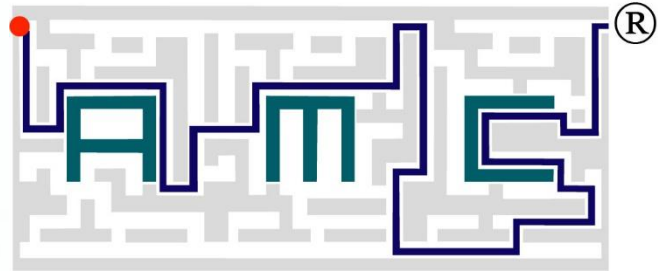
Airmaze

Airmaze Corporation Pte Ltd

BEX Asia 2025



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