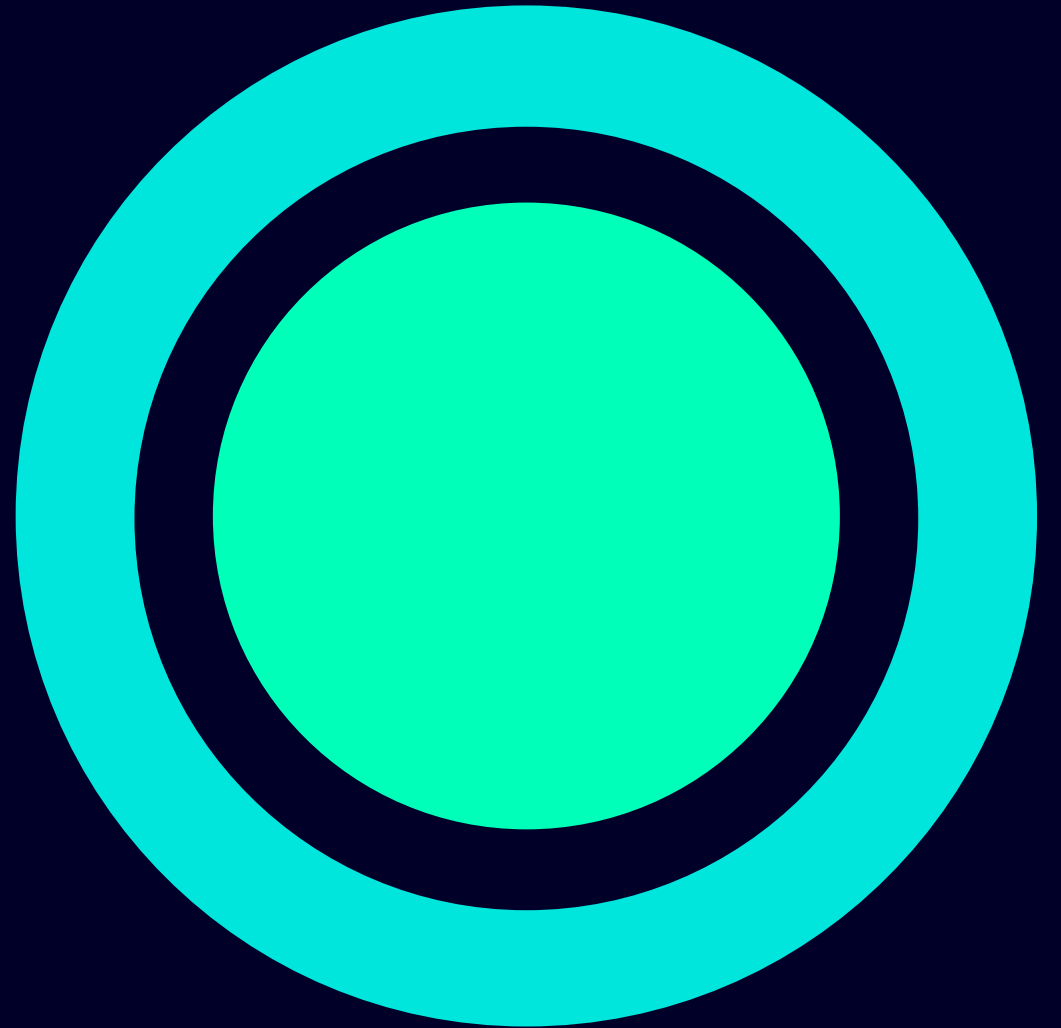


# Siemens Digital Industries Sustainability

Multiply impact for the world we want to  
live in today and tomorrow

Ryan R. Rochelle



# Businesses and Services of Siemens AG

## Industrial Business

Digital Industries



Smart Infrastructure



Mobility



Siemens Healthineers<sup>1</sup>



Portfolio Companies



Siemens Advanta



## Services

Siemens Financial Services



Siemens Real Estate



Global Business Services



<sup>1</sup> Publicly listed subsidiary of Siemens; Siemens' share in Siemens Healthineers is 75%

# Digital Industries are sustainable industries

## Decarbonization



**HANSON CEMENT**  
711 tons reduction  
in CO<sub>2</sub> emissions



## Energy efficiency



**COCA-COLA HBC AUSTRIA**  
50% reduction in CO<sub>2</sub>  
emissions through  
energy efficiency



## Resource efficiency



**GRUNDFOS**  
50B m<sup>3</sup> fresh-water  
savings by 2030



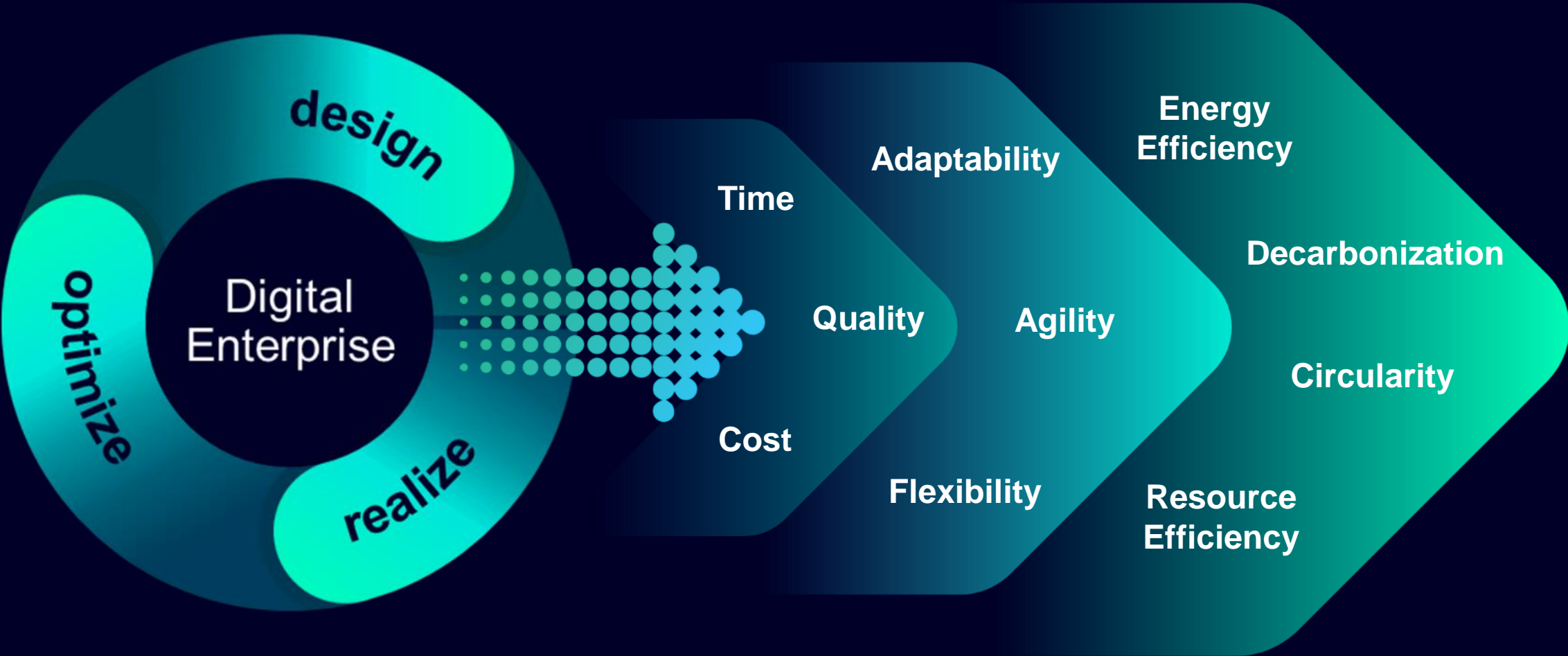
## Circularity



**PLASTIC ENERGY**  
Turning mixed plastic  
waste into a resource  
for clean plastics



# Your digital enterprise holds the key to a sustainable business strategy



**We solve for sustainable manufacturing challenges every day**

**Sustainability  
in own  
operations**



**Sustainability  
business**



# Become a sustainable Digital Enterprise to scale sustainability impact

Sustainable electrification and buildings

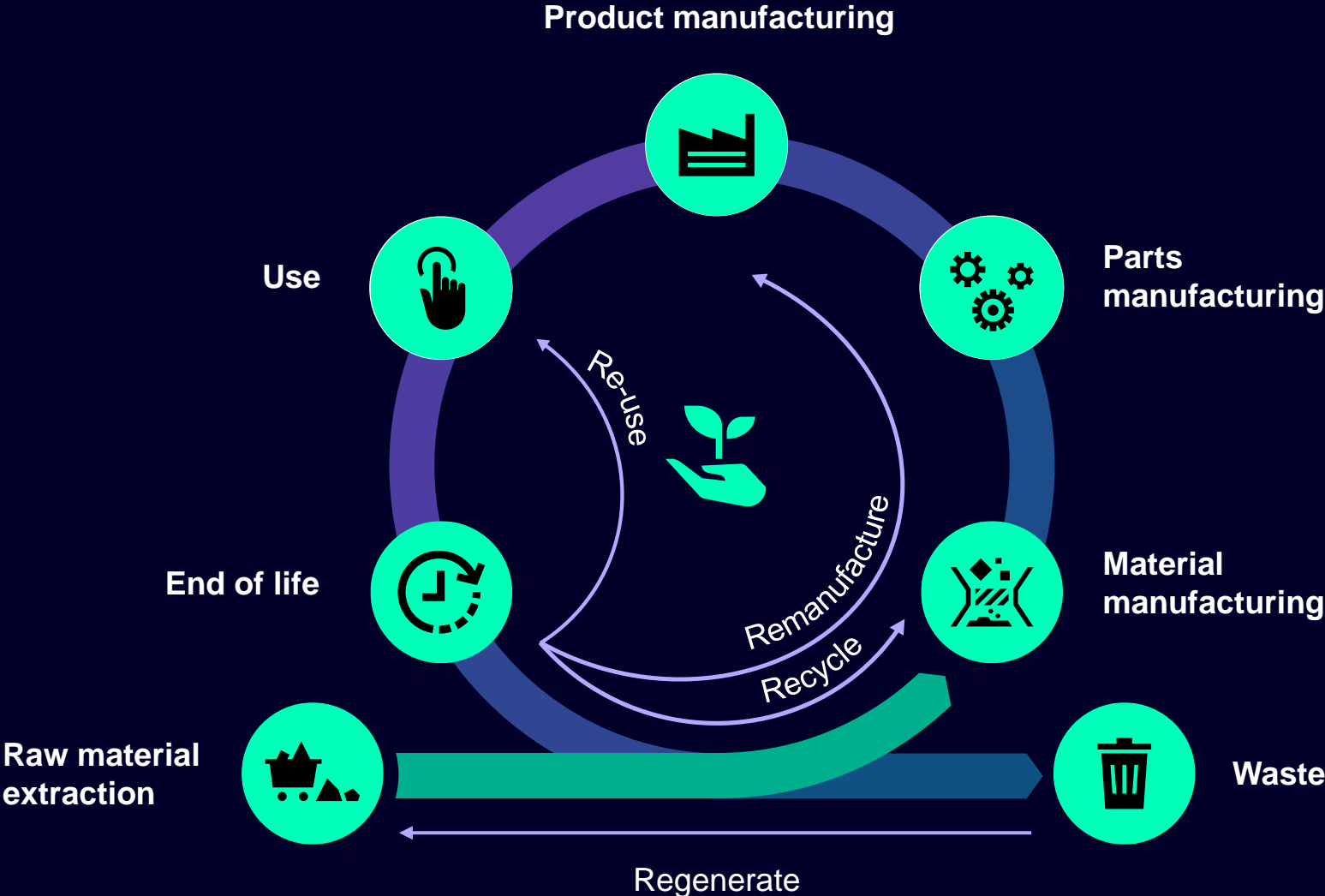
Sustainable supply chain

Sustainable production

Sustainable product

Lifecycle view  
Connected ecosystems  
Holistic sustainability KPIs

# Rethinking product design



# From silo-based knowledge to Collective Intelligence

## Digital Threads

Connecting everything to build the foundation for design processes

## Comprehensive Digital Twin

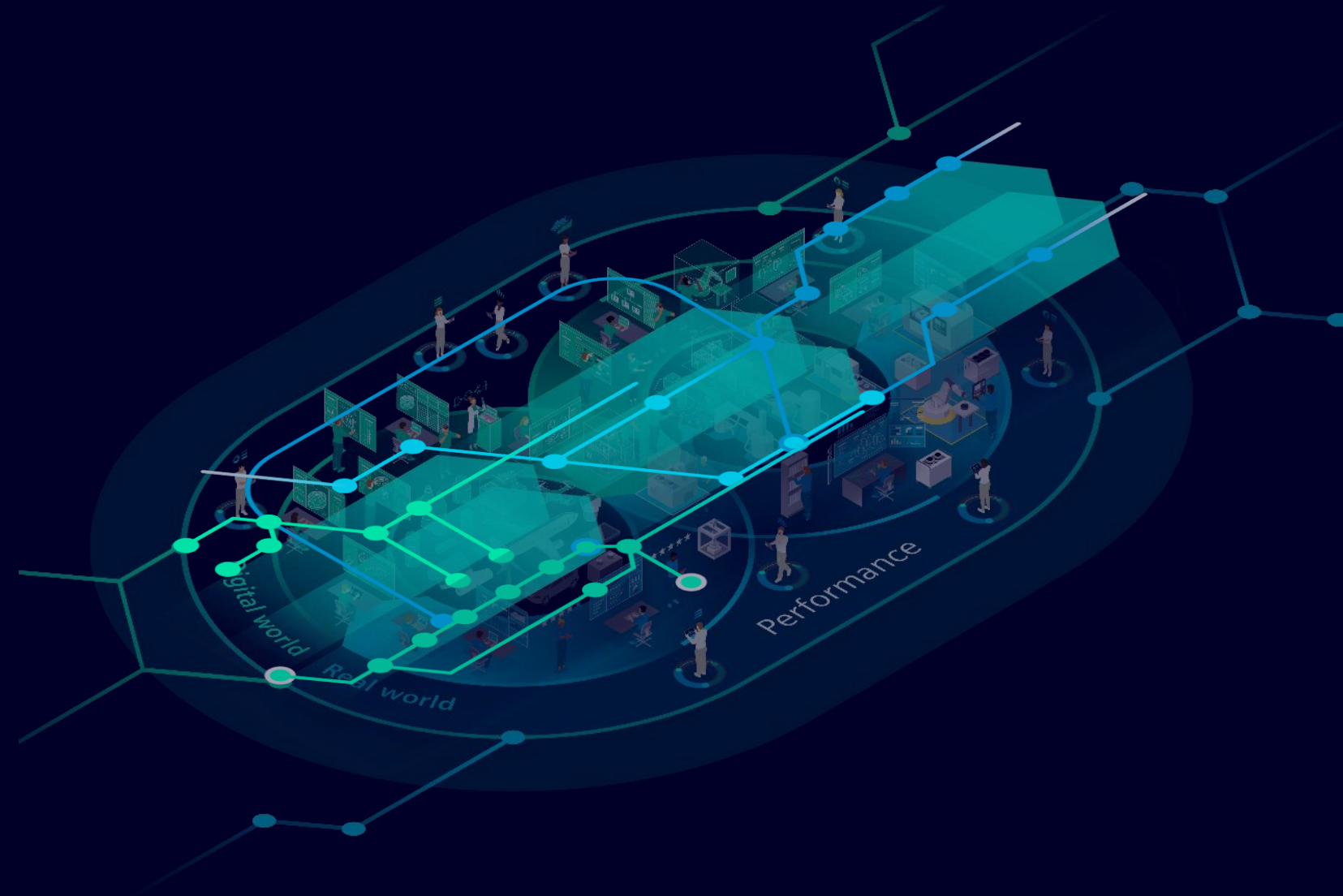
Informed with data across lifecycle and ecosystems

## Holistic Sustainability Indicators

Balancing sustainability with performance and cost

## Continuous Loop of Optimization

Based on data from the real and digital world







# Battery Passport

TOTAL LIFECYCLE



History



Reuse



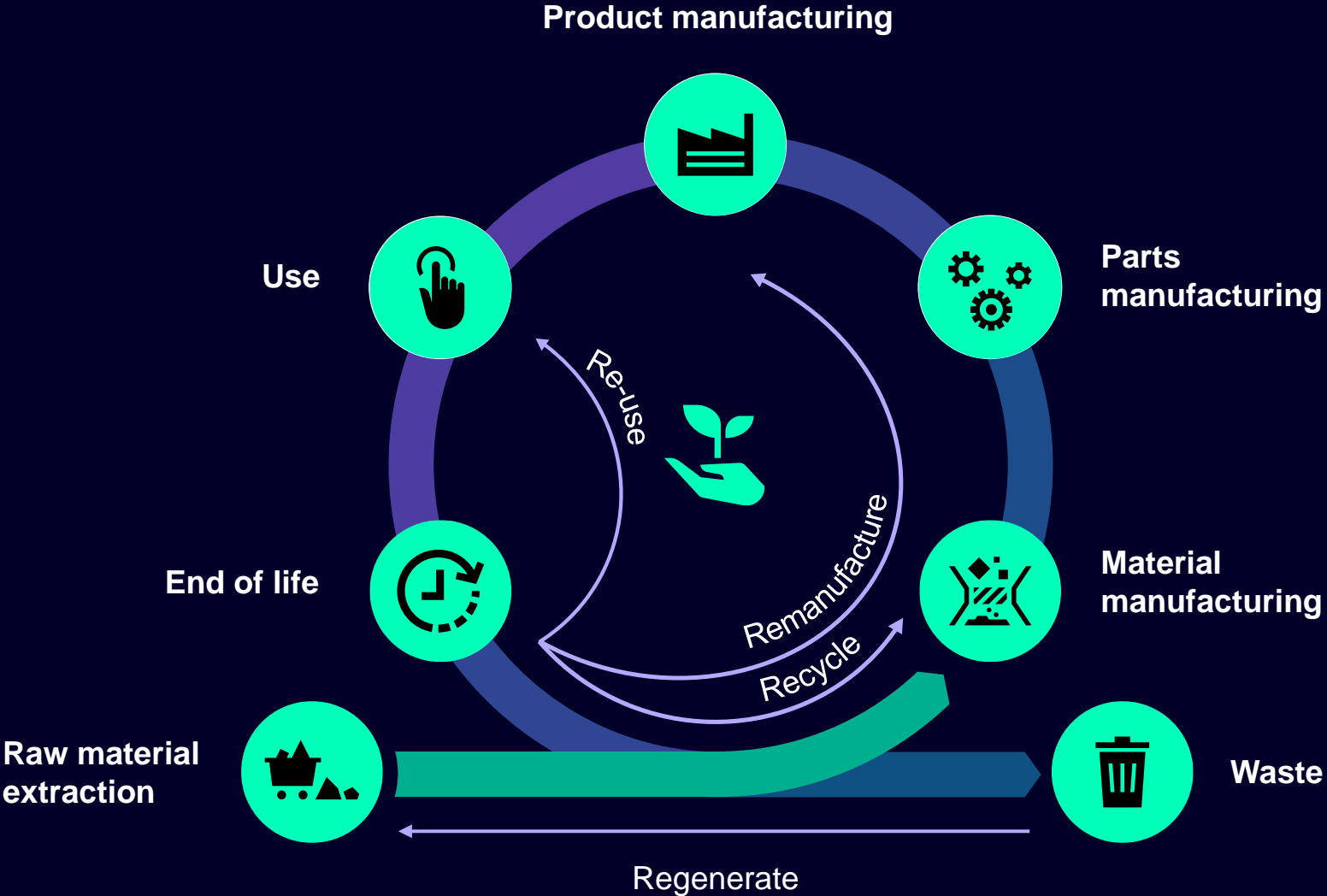
Service



Recycle



# Rethinking product design



# Re-imagine your industrial operations to harness Collective Intelligence



Operational efficiency



Reduced costs and waste



Business model innovation



Expansion into new markets

Long-term business viability



# Product decarbonization requires cross-company alignment

How our various involvements ensure SiGREEN's multi-compatibility



**ESTAINIUM**  
*Network*







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THE GAMECHANGER

Combining  
the digital and  
real worlds



# SiGREEN enables PCF management in cross-functional collaboration

From your suppliers' input to your response to customers





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