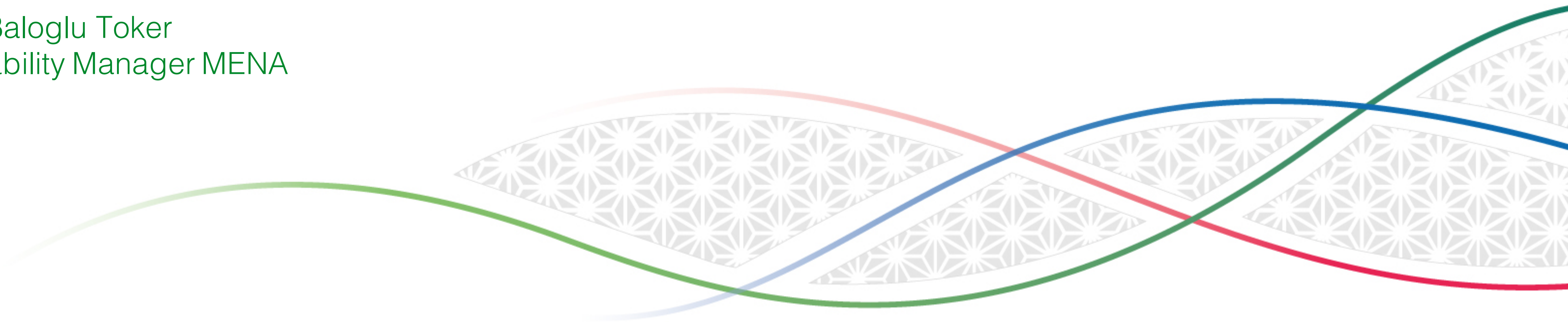


Sustainability at HP

Dr. Hande Baloglu Toker
HP Sustainability Manager MENA



Facing the challenges of this century

- More than 263 million children and youth worldwide are out of school
- Global middle class reached 3.2 billion by 2016 and is expected to grow
- In the next 20+ years, energy use will rise 48%, GHG emissions will rise by 34%, and demand for water will be 40% higher than supply

2.3 

Number of Earths we'll need by 2050

Overcoming society's greatest challenges

✓ HP supports the United Nations

Sustainable Development Goals
(SDGs)

✓ HP has existing programs that contribute to progress against 15 of the 17 SDGs



Goal 1 End poverty in all its forms everywhere
HP's actions [Communities](#)



Goal 4 Ensure inclusive and quality education for all and promote lifelong learning
HP's actions [Communities](#)



Goal 7 Ensure access to affordable, reliable, sustainable and modern energy for all
HP's actions [Renewable energy, Products and solutions: Energy efficiency](#)



Goal 10 Reduce inequality within and among countries
HP's actions [Supplier diversity, Communities](#)



Goal 13 Take urgent action to combat climate change and its impacts
HP's actions [Our footprint, Supply chain environmental impact: GHG emissions, Operations: GHG emissions, Products and solutions](#)



Goal 16 Promote just, peaceful and inclusive societies
HP's actions [Supply chain responsibility, Responsible minerals, Diversity and inclusion, Corporate ethics, Human rights](#)



Goal 2 End hunger, achieve food security and improved nutrition and promote sustainable agriculture
HP's actions No major programs at this time



Goal 5 Achieve gender equality and empower all women and girls
HP's actions [Supply chain responsibility, Diversity and inclusion](#)



Goal 8 Promote inclusive and sustainable economic growth, employment and decent work for all
HP's actions [Supply chain responsibility, Communities](#)



Goal 11 Make cities inclusive, safe, resilient and sustainable
HP's actions [Communities](#)



Goal 14 Conserve and sustainably use the oceans, seas and marine resource
HP's actions No major programs at this time



Goal 17 Revitalize the global partnership for sustainable development
HP's actions HP proudly supports the UN Sustainable Development Goals, the [UN Global Compact](#), the [Global Reporting Initiative](#), and other global efforts to advance sustainable development



Goal 3 Ensure healthy lives and promote well-being for all at all ages
HP's actions [Wellness, Health and safety](#)



Goal 6 Ensure access to water and sanitation for all
HP's actions [Supply chain environmental impact: Water, Operations: Water](#)



Goal 9 Build resilient infrastructure, promote sustainable industrialization and foster innovation
HP's actions [Circular economy, Communities](#)



Goal 12 Ensure sustainable consumption and production patterns
HP's actions [Circular economy](#)



Goal 15 Sustainably manage forests, combat desertification, halt and reverse land degradation, halt biodiversity loss
HP's actions [Paper](#)

Sustainability at HP



Engineered with integrity

- Industry-leading supply chain practices
- Workers rights, safety, and privacy
- Carbon reduction goals across the value chain



Full circle innovation

- Leader in eco-labelled PCs and printers
- Closed loop recycling
- Service-based models
- Next-generation digital printing technology



Enabling everyone

- HP Jet Fusion 3D printing solution
- HP LIFE
- HP Future Classroom
- Volunteerism at HP

HP in action

Sustainability is core
to our vision of making
life better...

SDG
13

1st to publish complete
carbon and water
footprint

SDG
8

1st to publish supply chain
responsibility code of conduct
and industry-leading standards

SDG
4

Pledges more than US\$20M to
enhance education for more
than 100M people by 2025

SDG
5

Has most diverse board of
directors among U.S.
technology companies

SDG
7

Commits to achieving **100%**
renewable electricity usage in
global operations

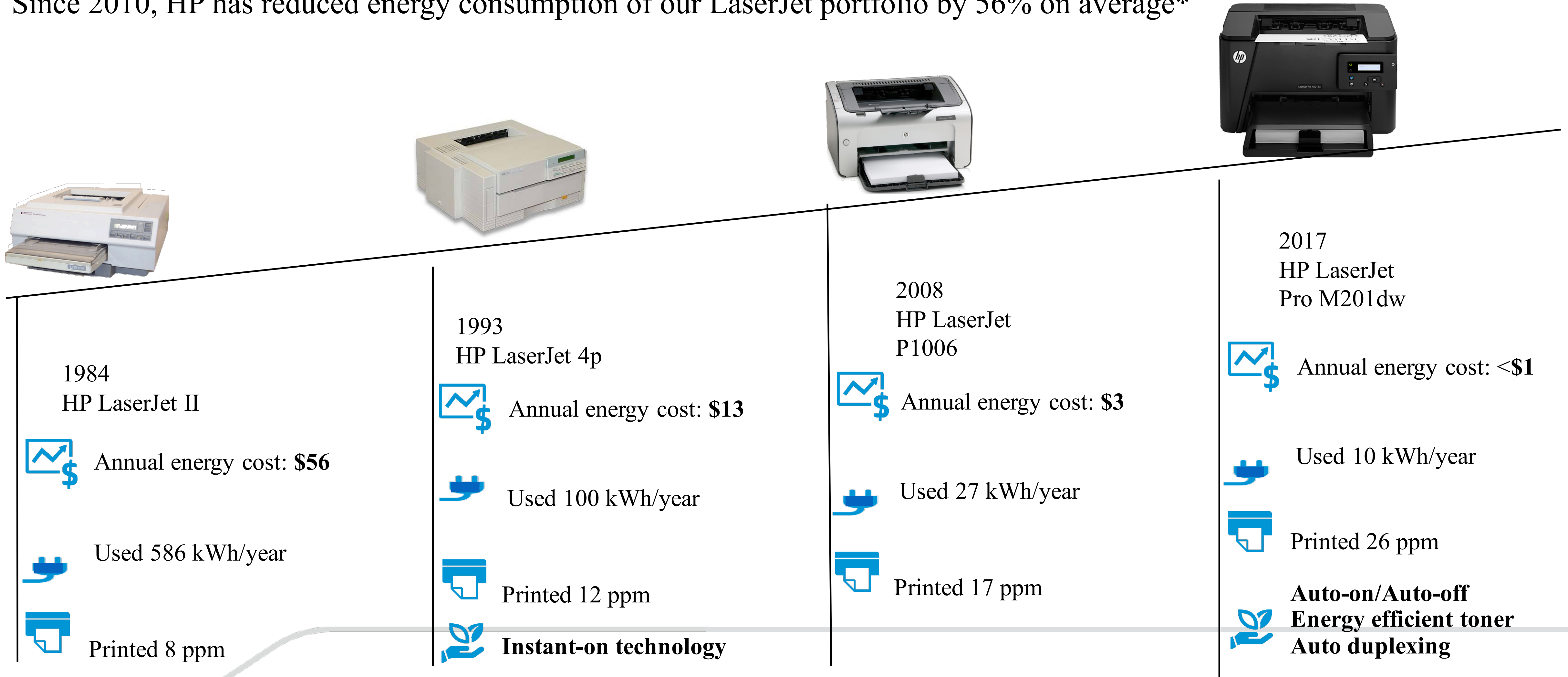
SDG
12

Uses plastic content from
recycled water bottles for
new HP inkjet cartridges



Raising the bar on energy efficiency

Since 2010, HP has reduced energy consumption of our LaserJet portfolio by 56% on average*



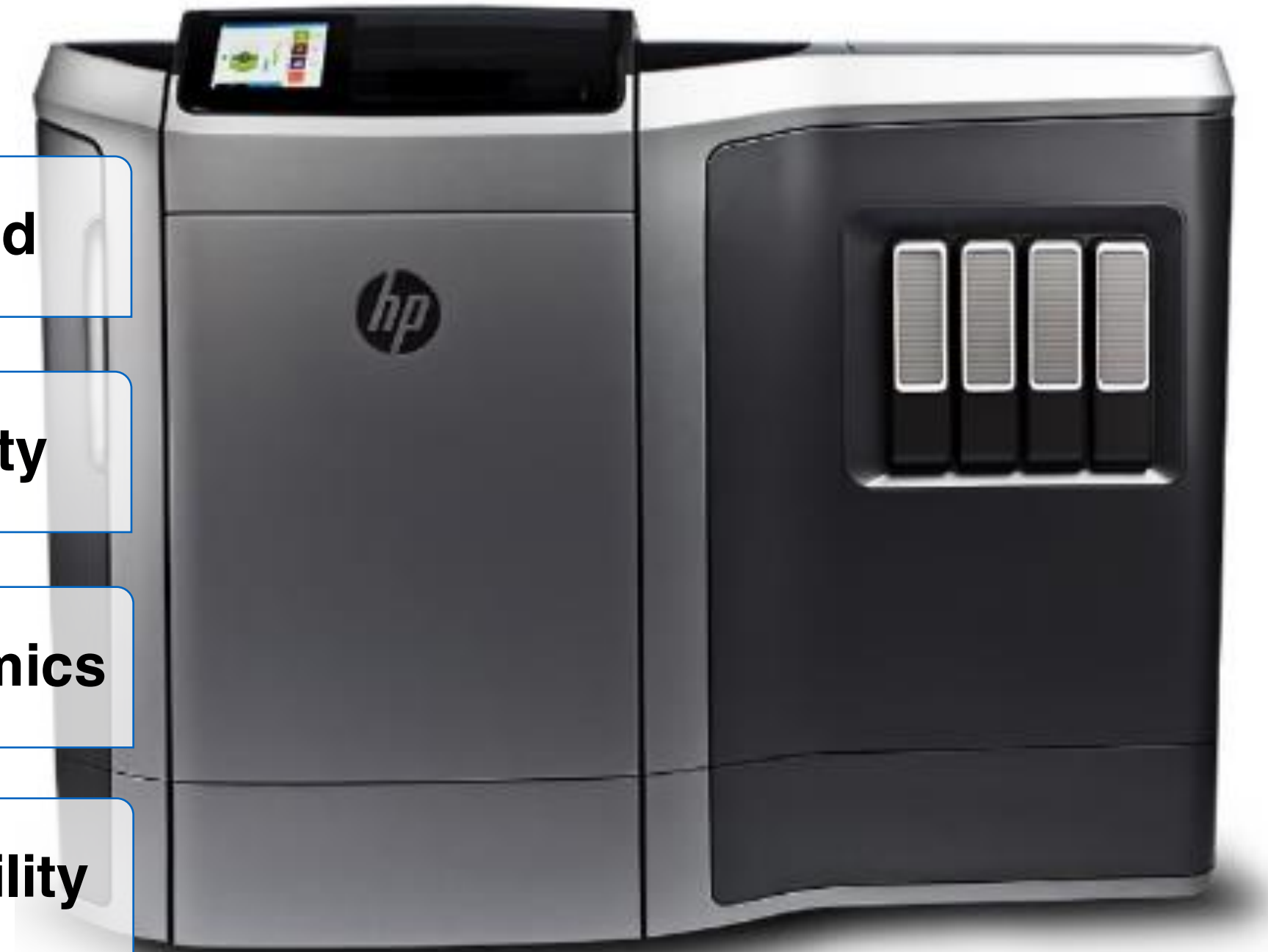
3D printing and HP MultiJet Fusion™ Technology

Breakthrough innovation will transform supply chains and industries

- Additive manufacturing enables unique structural designs with **no manufacturing waste**
- Enable new part/service **supply chains for other industries**
- Exact **supply and demand matching** delivers ability to economically produce small quantities
- Analogy to digital print manufacturing with customized product options that **reduce waste**
- 3D allows manufacturing on demand of an infinite inventory of spares, electronically



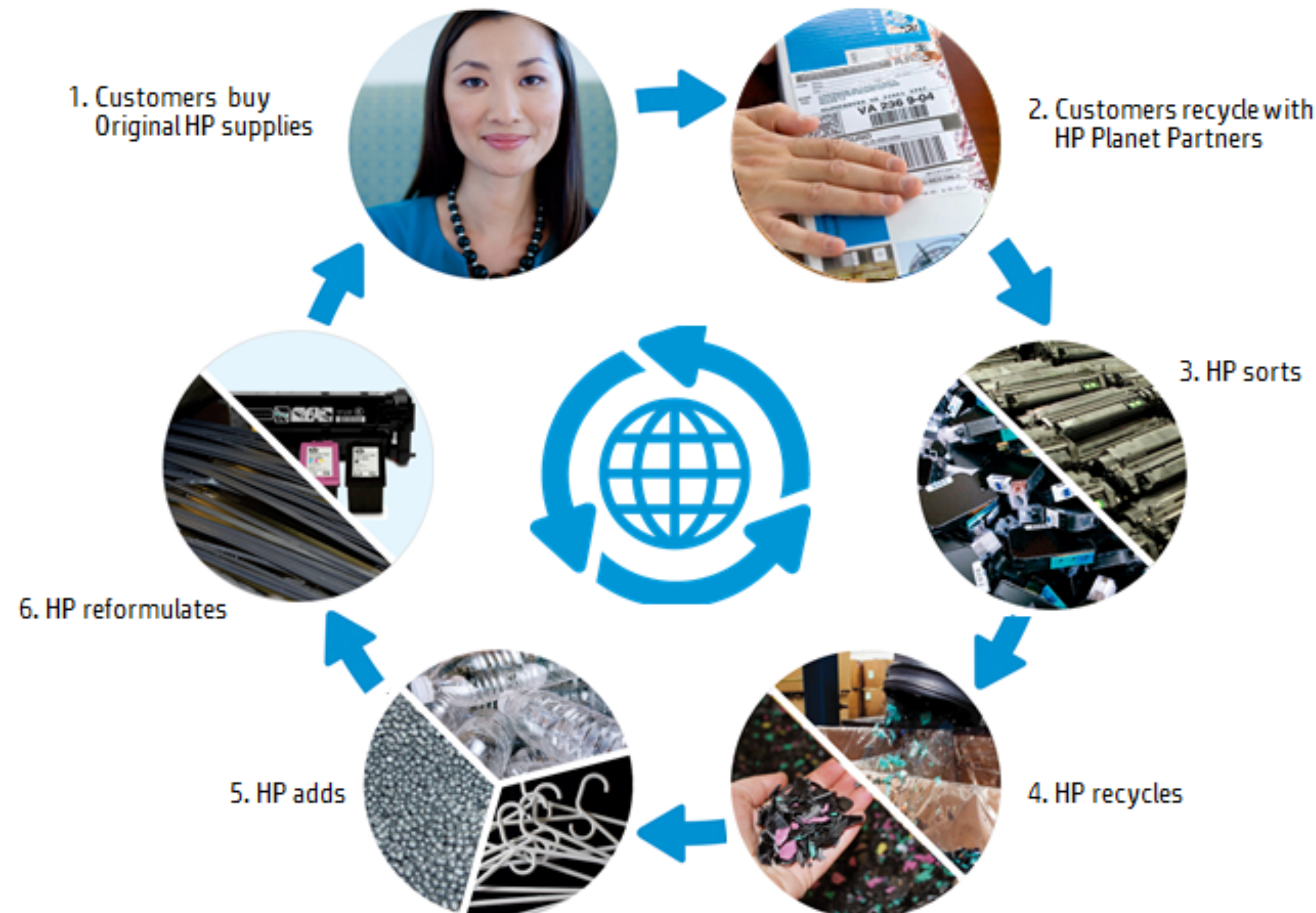
1	Speed
2	Quality
3	Economics
4	Reliability





HP “Closed-loop” recycling process

Closing the loop for Original HP cartridges



More than **75%** HP inkjet supplies and **24%** of HP LaserJet toner cartridges contain closed-loop plastic

HP in action: “closed loop” recycling program

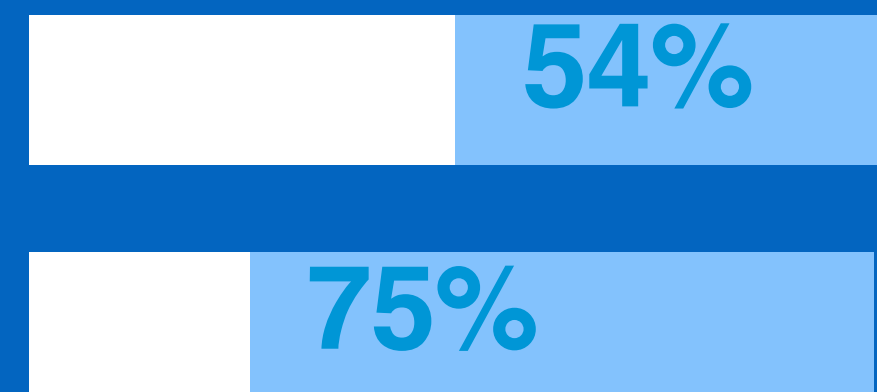
- Driving toward a circular economy

Manufacturing new ink cartridges using returned cartridges and other plastics contributes to circular economy



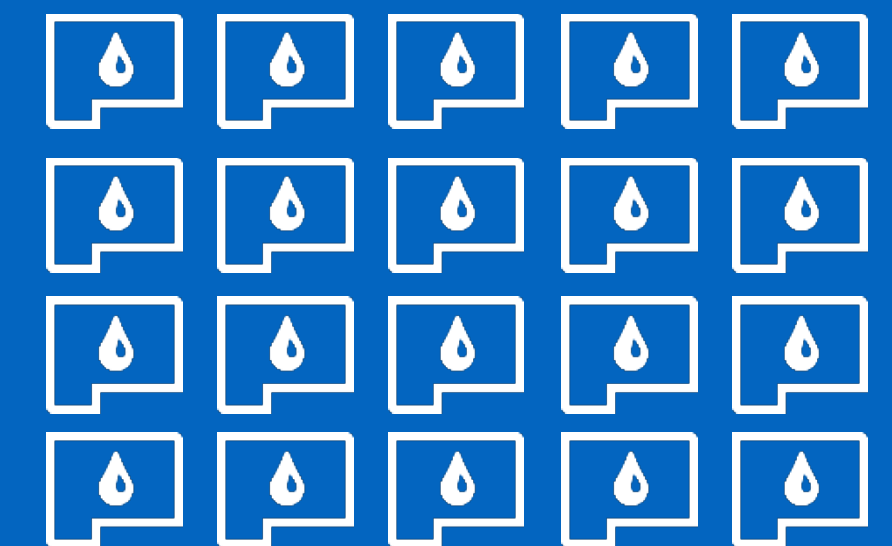
In past five years, HP has helped divert on average more than
1 million water bottles per day

33% smaller Recycled plastic has **up to a 33% smaller footprint** than virgin plastic **CO₂**



Process enables HP to reduce fossil fuel consumption by 54% and water consumption by 75%

2.7 billion



More than **2.7 billion cartridges** produced using over 3.3 billion bottles and 50 million apparel hangers



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HP's actions [Communities](#)



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HP's actions [Communities](#)



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HP's actions [Renewable energy](#),
[Products and solutions: Energy efficiency](#)



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HP's actions [Supplier diversity](#),
[Communities](#)



Goal 13 Take urgent action to combat climate change and its impacts
HP's actions [Our footprint](#), [Supply chain environmental impact: GHG emissions](#), [Operations: GHG emissions](#), [Products and solutions](#)



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HP's actions [Paper](#)

THANK YOU

