SUSTAINABILITY

A data challenge made easier in the cloud

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Sustainability trends are increasing

Customer demand

Government regulations

Employee demand

Impact investing

Sustainability as competitive positioning

Sustainability areas of focus

Sustainability impacts multiple areas, and has become a strategic priority for organizations

Decarbonize

Decarbonize and   limit the effects
of the climate crisis

Water

Minimize water use

Keep it clean

Social responsibility

Responsible employment and supply chain practices

Circular economy

Zero landfill

Recycling

Sustainability drives business growth

Tomorrow's strongest-performing businesses are likely to be the "Twin Transformers"—companies that find new value at the intersection of digital technologies and sustainability.

Powered by these twin engines of growth, they're **2.5x more likely to outperform** their peers.

-Accenture, April 2021

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Sustainability transformation challenges

How do I identify carbon emission hotspots?

How do I reduce energy and water usage in my operations?

How can I innovate faster to achieve sustainability transformation?

How do I collaborate with others in my value chain to reduce carbon emissions?

AWS as your sustainability partner

Your sustainability journey and AWS

Migrate

Take advantage of the cloud and AWS efficiency

Optimize

Optimize your workloads with Well-Architected for sustainability

Transform

Leverage data, AWS professional services, and digital innovation

Identify Sustainability Use Cases

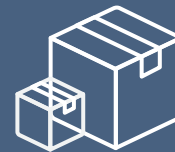|			
Carbon footprint framework	Sustainable Facilities	Energy Analytics and Forecasting	Water Stewardship
Manufacturing and Distribution	Sustainable and Responsible Supply Chains	Sustainable Packaging	Circular Economy

Data is core to addressing sustainability

Growing
exponentially

From new
sources

Increasingly
diverse

Used by
many people

Analyzed by
many applications

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Case study: Bayer Crop Science

> " We are very excited to launch a solution to help transform the food and agriculture value chain by paving the way for a more resilient, regenerative and net-zero carbon future. "

Leo Bastos
Global Commercial Ecosystems Lead, Bayer Crop Science

AWS ProServe built the digital carbon footprint measurement solution

Carbon emissions data tracked for farmed corn from farm to processor, and then to final purchaser

Supply chain digital transparency for Scope 3 emissions

Case study: energy analytics and forecasting (ML/AI)

Coca-Cola, Turkey with distribution to 400M consumers

Improved clean in place (CIP) process
_____

Saved 20% on energy annually
_____

Saved 9% on water annually
_____

Time and performance gains
_____

34 days annual process gains/year

Thank you!

For more case studies and other AWS sustainability news visit our website.

aws.amazon.com/sustainability

https://aws.amazon.com/de/solutions/cross-industry/#Sustainability