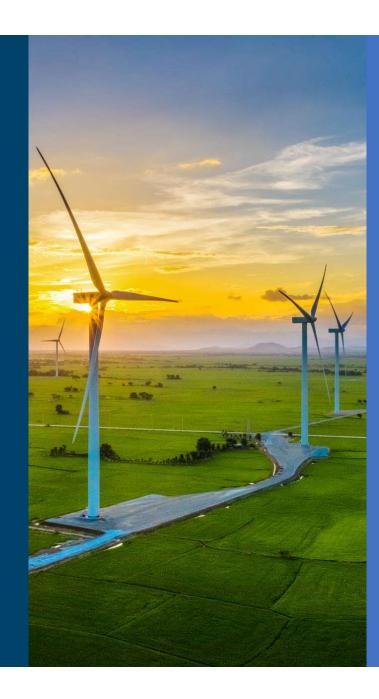
What does green mean for an analytical laboratory?

How can labs drive improved sustainability?

John Lee Agilent Technologies UK





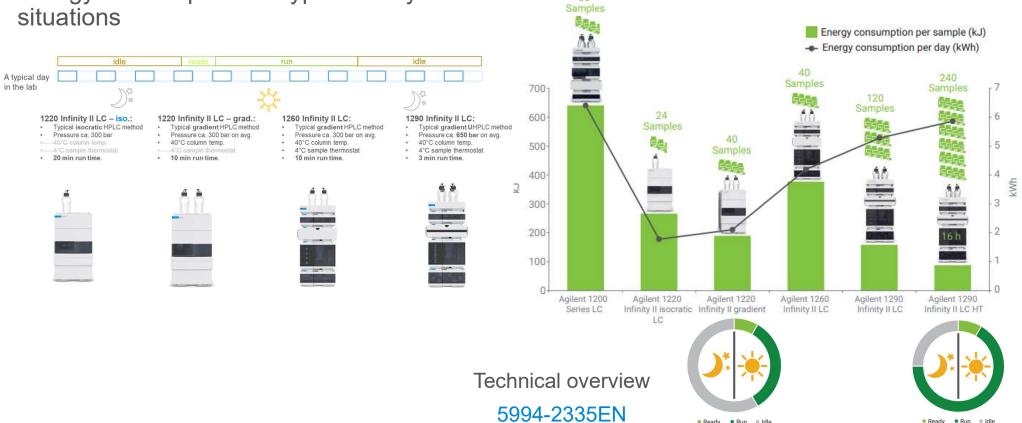
Different goals for a lab-based operation



Efficiency gain with modern UHPLC Equipment

High-end LC: Not only more performance but also less power consumption/sample

Energy consumption for typical analytical





Helping Reduce a Lab's Environmental Impact



Agilent is a "Transformative Level" partner with **My Green Lab**, an organization dedicated to **improving the sustainability of science**.



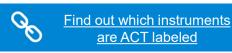


Working with My Green Lab to achieve third-party audited **Accountability, Consistency, and Transparency (ACT)** labeling by <u>SMS Collaborative, LLC (SMSC)</u>



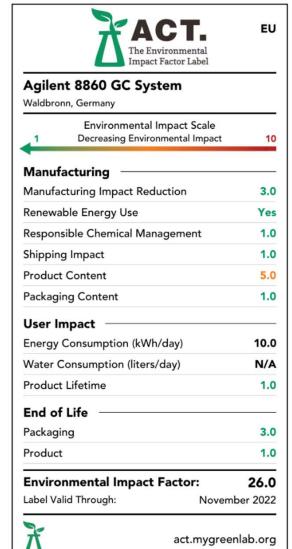






ACT labeling provides a baseline measurement of product environmental impact for continuous improvement to reduce:







Agilent's History in Sustainability

Adopted the Global Reporting Initiative (GRI)



Demonstrated reduced energy usage by 6.3% year over year

2004

Global Sustainability Council established



Increased focus on sustainability within operations and product R&D

2016

Adopted Sustainability Accounting Standards Board (SASB) recommendations

GRI report updated to cover environmental, social, and governance

2020

How2Recycle Labeling added to packaging

Empowering consumers to be more sustainable through onpackage recycling information

2022



2000

First sustainability report submitted

Energy, waste, water, and CO₂ emissions reported



2008

Expanded reliance on solar power

Generating over 1 MW of clean, renewable energy

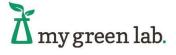


Sustainability @Agilent

2019-2020

Agilent partners with My Green Lab

Among first companies to start third-party validating environmental impact of products



We worked with five suppliers and reduced carbon dioxide emissions by 1,307 metric tons, the equivalent of planting 6,284 trees



2021

Agilent commits to Net Zero in 2050 with interim goals

Achieving

Net Zero

2023-Ongoing

2 Agilent Centers of Excellence get certified with more to come!

Certification is **gold standard** for laboratory sustainability best practices around the world





Alignment with UN Sustainable Development Goals Drives Our Four Focus Areas





Goal 1 Energy

10% reduction by 2024



Ahead of target
@ 10%
reduction in 2022



Goal 2 **Emissions**

25% reduction by 2025



Ahead of target

@ 32%
reduction in 2022



Goal 3 Water

20% reduction by 2024



Ahead of target @ 27% reduction in 2022



Goal 4 Waste

95% solid waste diversion



Just below target @ 94% diversion in 2022

* Goals 1-3 are per sq ft; goal 4 is absolute



Recognition drives motivation.



Press Release

Agilent Wins SEAL Award for Innovative Products that Help Customers Achieve Their Sustainability Goals

SANTA CLARA, Calif., May 16, 2023

Agilent Technologies Inc. (NYSE: A) today received a SEAL Business Sustainability Award for producing products and technology that are helping analytical and clinical labs reduce their carbon footprint.

"Agilent is extremely pleased to receive this recognition," said Neil Rees, head of Agilent's ESG programs. "We are committed to helping our customers meet their sustainability goals and successfully transition to a low carbon future. Our innovative suite of sustainable lab products and technologies allow our customers to reduce their labs' environmental impact while also improving their workflow and overall efficiency."

The SEAL Awards honor the most sustainable companies in the world. Agilent was recognized for advancing sustainability with four innovative solutions for customers:

- Instrument refurbishing and recycling. Agilent's Certified Pre-Owned Instruments Program
 extends the life of pre-owned lab instruments by refurbishing them to the standard of a new
 instrument, giving them another life and keeping them out of landfills. In fiscal year 2022,
 Agilent refurbished 4,308 instruments. The program is the most comprehensive in the
 sector.
- Verified sustainability labels for lab instruments. Agilent leads the industry in product labeling that indicates the environmental footprint of select Agilent instruments, from manufacturing and energy use to packaging and disposal. The labels are independently audited and verified by My Green Lab, an environmental nonprofit organization.
- Lab instruments engineered for sustainability. Agilent's R&D team has engineered many
 instruments to use less energy and produce less waste. For example, Agilent's Ultivo Triple
 Quadrupole LC/MS offers radically reduced electrical consumption, and the Intuvo 9000
 Gas Chromatograph requires less than half the electrical power of a conventional gas
 chromatography.
- Digital lab software that reduces lab energy use. Agilent's digital service capabilities, such
 as CrossLab Connect, improve instrument utilization across the entire enterprise. Agilent's
 expert guidance helps lab customers make data-driven decisions to optimize operations
 and reduce energy consumption. Customers using these solutions have reported a
 reduction in lab energy consumption by up to 50 percent.



More information available on demand at......

Sustainability Series:

How to Reduce Your Lab's Environmental Impact



waste



Register Here:

https://event.on24.com/wc c/r/4172225/048F925271B BBD4E8667CEB6A2E83099 /4637534?partnerref=flyer

What matters most in laboratories

85%

of laboratories surveyed in a global lab manager's survey have sustainability goals in place⁴ Over half have sustainability goals in place when designing workflows



Other important 'green' factors identified when setting sustainability goals



Reducing water consumption



Reducing energy consumption



Improving recycling

...all while optimizing workflow, increasing productivity, lowering costs and ensuring green purchasing decisions as well as making the lab a safer, healthier environment to work in.



